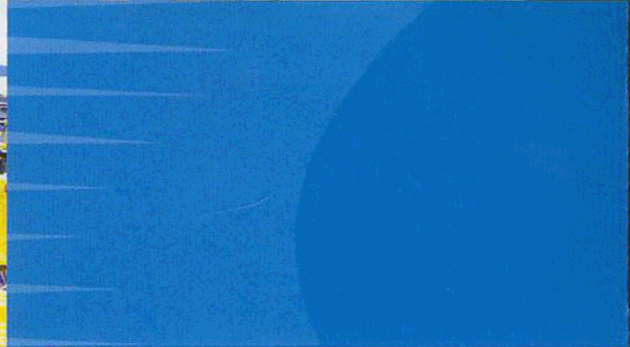




PERANGKAAN TAHUNAN PERIKANAN

ANNUAL FISHERIES STATISTICS

**JILID 1
1978**



JABATAN PERIKANAN MALAYSIA

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KEMENTERIAN PERTANIAN DAN PERIKANAN

MINISTRY OF AGRICULTURE AND FISHERIES

BAHAGIAN PERIKANAN

FISHERIES DIVISION

PERANGKAAN TAHUNAN PERIKANAN

ANNUAL FISHERIES STATISTICS

1978

SEKSI PERANGKAAN
STATISTICS SECTION

HARGA \$5.00
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KUALA LUMPUR

PENDAHULUAN

"Perangkaan Perikanan Tahunan 1978" adalah satu percubaan untuk mempersembahkan perikanan di Malaysia pada tahun 1978 dalam satu gambaran yang benar dan tepat melalui cara perangkaan.

Perangkaan mengenai bot-bot nelayan dan pendaratan adalah disediakan daripada "Senarai Tahunan Bot-Bot Nelayan yang Berlesen" dan dari pembancian perangkaan masing-masing. Perangkaan impot-ekspot telah diperolehi dari sumber-sumber Jabatan Perangkaan.

Selain daripada satu ulang kajian am, penerbitan tahun ini Juga termasuk sedikit pindaan berkenaan perangkaan bot-bot nelayan. Bagi yang tidak biasa dengan jenis-jenis ikan tempatan, satu jadual yang menunjukkan nama-nama jenis ikan dalam bahasa Melayu, Inggeris dan Saintifik juga termasuk.

Kami berharap penerbitan ini ada nilainya kepada pengguna-penggunanya dan kami mengalu-alukan sebarang pandangan dan teguran-teguran yang membina untuk membaiki lagi taraf kandungan dan persembahan penerbitan ini.

FOREWARD

The "Annual Fisheries Statistics 1978" is an attempt to present a true and correct picture of Malaysian fisheries during the year 1978 by means of statistics.

Fishing vessel and landing statistics were compiled from the "Annual List Of Licensed Fishing Boats" and statistical surveys respectively. Import-Export statistics were derived from Statistics Department sources.

Besides incorporating a general review of the fisheries, this year's issue also includes some amendments on fishing vessel statistics. To those unfamiliar with local fish species, a table incorporating Malay, English and Scientific names of fish species is also provided.

We hope this publication is of some value to its users and we welcome suggestions and constructive criticisms to further improve the content and presentation of this publication.

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KUALA LUMPUR

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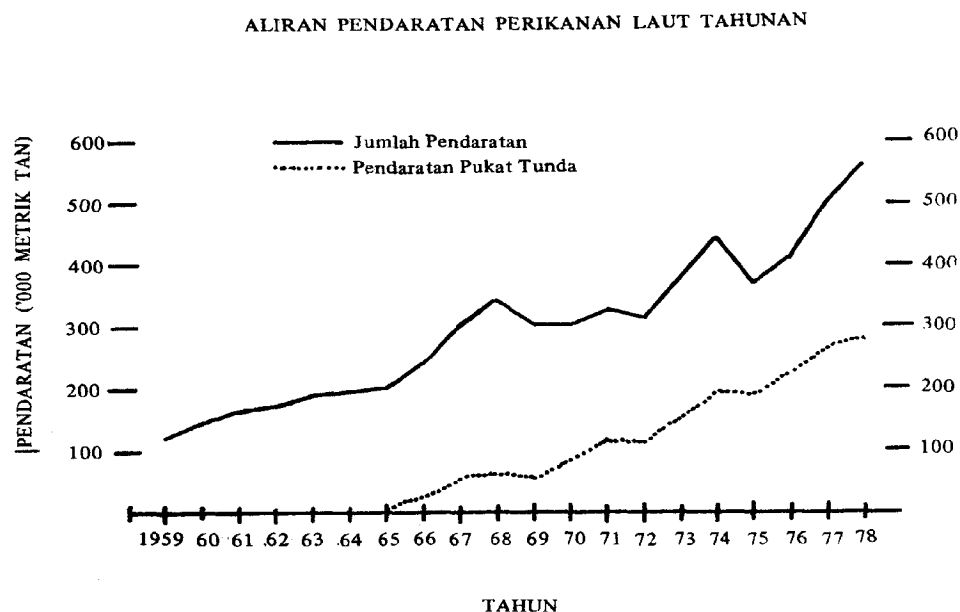
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ULANG KAJIAN AM

SEMENANJUNG MALAYSIA

1. Aliran Pendaratan Tahunan:



Aliran pendaratan dan penternakan perikanan tahunan (kecuali perikanan airtawar) sedang meningkat semenjak 20 tahun yang lalu. Satu sebab utama bagi penambahan aliran ini adalah perluasan di bidang kejenteraan bot-bot nelayan yang mana telah menambah usaha serta kecekapan menangkap ikan. Sebab yang penting lagi adalah pengenalan pukat tunda dalam tahun 1965 yang telah membuat satu pukulan hebat kepada pembangunan dan perkembangan kejenteraan bot-bot nelayan serta penanaman modal dalam perusahaan perikanan. Perkembangan di kedua-dua bidang ini telah mempengaruhi peningkatan pendaratan ikan.

Pengharapan bagi perkembangan aliran ini di Pantai Timur adalah baik sedangkan di Pantai Barat potensi bagi perkembangan adalah terhad oleh kerana keadaan pantai dan pengurangan pengetahuan mengenai sumber-sumber di lautan lepas. Pada masa ini 72% daripada jumlah bilangan bot-bot nelayan di negara ini bertumpu di perairan Pantai Barat dan berjaya mendaratkan 73% daripada jumlah pendaratan bagi Semenanjung Malaysia. Penumpuan usaha penangkapan ikan ini di Pantai Barat telah mengujudkan satu kedudukan pengusahaan lebih sumber-sumber perikanan kerana tekanan ke atasnya. Akibat pengusahaan

lebih ini adalah penambahan pendaratan ikan baja dan penurunan saiz ikan-ikan dan udang yang diperolehi. Pada masa ini perikanan laut di sini dapat mengekalkan kedudukannya kerana sumber-sumber udang dan ikan paras air yang sedang bermusim baik seperti pada tahun-tahun 1967-68, 1973-74 dan 1977-78.

2. Pendaratan Tahun 1978:

Jumlah pendaratan oleh perikanan dan ternakan (kecuali perikanan airtawar) dalam tahun 1978 adalah 564,898 metrik tan. Jika dibandingkan dengan tahun 1977, pendaratan tahun ini menunjukkan satu peningkatan sebanyak 13.4% atau 66,946 metrik tan. Manakala peningkatan pada tahun 1977 adalah 21.2%, peningkatan tahun ini menunjukkan satu kadar pengembangan yang rendah dalam perusahaan perikanan. Peningkatan dalam tahun 1978 telah disebabkan oleh kelebihan ikan-ikan paras air, udang dan penternakan kerang. Pendaratan ikan-ikan paras air telah meningkat sebanyak 21.8% kepada 169,548 metrik tan; pendaratan udang meningkat sebanyak 23.8% kepada 67,548 metrik tan; dan penternakan kerang telah meningkat sebanyak 19.8% kepada 55,598 metrik tan. Sebagai bandingan, pendaratan ikan-ikan dasar laut hanya meningkat sebanyak 4.6% kepada 233,448 metrik tan manakala lain-lain krustasia, molusk dan ubur-ubur telah meningkat sebanyak 12% kepada 38,756 metrik tan.

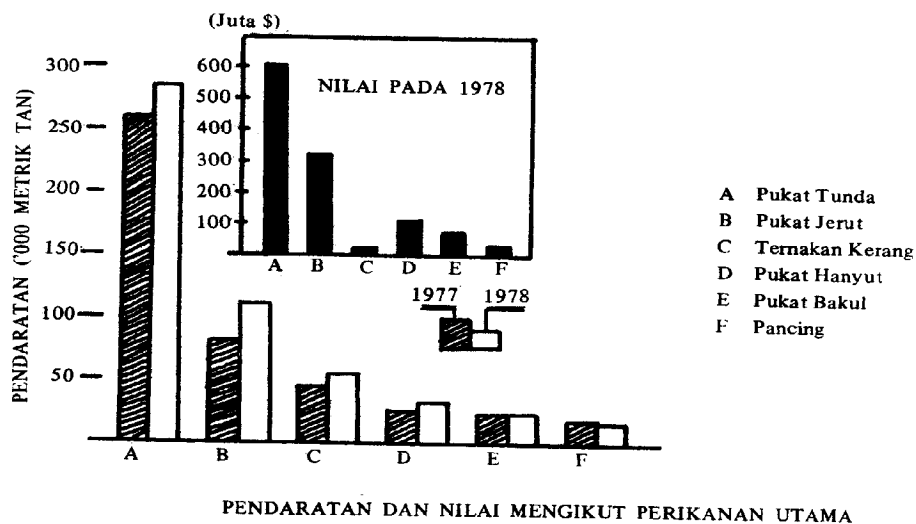
Pendaratan Pantai Barat dalam tahun 1978 adalah 410,774 metrik tan dan merupakan satu peningkatan sebanyak 8.7% melebihi tahun 1977. Manakala kadar peningkatan dalam tahun 1977 adalah 28.3%, kenaikan 8.7% dalam tahun ini mungkin mengerti aliran kenaikan yang bermula sejak tahun 1976 telah mula turun. Kenaikan pendaratan tahun 1978 disebabkan oleh kenaikan dalam pendaratan ikan-ikan paras air, udang dan penternakan kerang. Pendaratan ikan-ikan paras air meningkat sebanyak 21.3% daripada 69,994 metrik tan dalam tahun 1977 kepada 84,915 metrik tan dalam tahun 1978; pendaratan udang meningkat sebanyak 23.5% daripada 50,987 metrik tan dalam tahun 1977 kepada 63,017 metrik tan dalam tahun 1978; dan penternakan kerang telah meningkat sebanyak 19.8% daripada 46,423 metrik tan dalam tahun 1977 kepada 55,598 metrik tan dalam tahun 1978. Sebagai bandingan, pendaratan ikan-ikan dasar laut telah meningkat hanya 0.4% daripada 179,411 metrik tan dalam tahun 1977 kepada 180,257 metrik tan dalam tahun 1978, sedangkan pendaratan lain-lain krustasia, molusk dan ubur-ubur telah merosot sebanyak 13.1% daripada 31,052 metrik tan dalam tahun 1977 kepada 26,987 metrik tan dalam tahun 1978.

Pendaratan di Pantai Timur dalam tahun 1978 sebanyak 154,124 metrik tan adalah satu peningkatan sebanyak 28% di atas tahun 1977. Dibandingkan kepada kenaikan sebanyak 3.2% pada tahun 1977, kenaikan sebanyak 28% pada tahun ini melambangkan satu pengharapan yang baik bagi perkembangan perikanan di rantau ini. Sebab utama bagi peningkatan ini adalah kerana pemulihan perikanan di Kelantan dan Johor Timur. Kedua-dua negeri ini telah mengalami kemerosotan dalam tahun 1977. Tetapi pada tahun ini kedua-dua negeri ini telah memperolehi pendaratan yang baik hingga mencapai kadar peningkatan sebanyak 103% dan 120% masing-masing. Faktor-faktor yang menyebabkan pemulihan ini adalah peningkatan dalam penangkapan ikan-ikan paras air dan dasar laut, sotong dan udang baring. Pendaratan ikan-ikan paras air di Pantai Timur telah meningkat sebanyak 22% daripada 69,223 metrik tan dalam tahun 1977 kepada 84,633 metrik tan dalam tahun 1978; pendaratan ikan-ikan dasar laut telah meningkat sebanyak 21% daripada 43,738 metrik tan pada tahun 1977 kepada 53,191 metrik tan pada tahun 1978; dan pendaratan lain-lain krustasia dan molusk (kebanyakannya udang baring dan sotong) telah meningkat sebanyak 34% daripada 3,527 metrik tan pada tahun 1977 kepada 11,769 metrik tan pada tahun

1978. Pendaratan udang, yang kurang penting di Pantai Timur, telah meningkat sebanyak 26% daripada 3,597 metrik tan dalam tahun 1977 kepada 4,531 metrik tan dalam tahun 1978.

Jumlah nilai pendaratan dan penternakan perikanan (kecuali perikanan airtawar) pada tahun 1978 adalah \$1,293 juta. Dibandingkan dengan tahun 1977, ini merupakan satu kenaikan sebanyak 56%. Kenaikan ini disebabkan oleh penambahan dalam pendaratan dan kenaikan harga ikan. Kenaikan harga ikan disebabkan oleh kenaikan dalam permintaan dalam negeri bagi ikan.

3. Pendaratan Mengikut Perikanan Utama:



Perikanan di Semenanjung Malaysia boleh dibahagikan mengikut perikanan secara besar-besaran dan perikanan secara kecil-kecilan. Perikanan secara besar-besaran terdiri daripada pukat jerut dan pukat tunda sedangkan perikanan secara kecil-kecilan terdiri daripada perikanan tradisi.

Perikanan secara besar-besaran telah mendaratkan 70% daripada jumlah pendaratan, hasil dari musim baik bagi ikan paras air dan udang pada tahun 1978. Perikanan pukat jerut telah memperolehi hasil sebanyak 112,634 metrik tan pada tahun 1978. Ini adalah satu kenaikan 41% atau 32,799 metrik tan melebihi tahun 1977. Jumlah nilai pendaratan pukat jerut ini adalah \$324 juta.

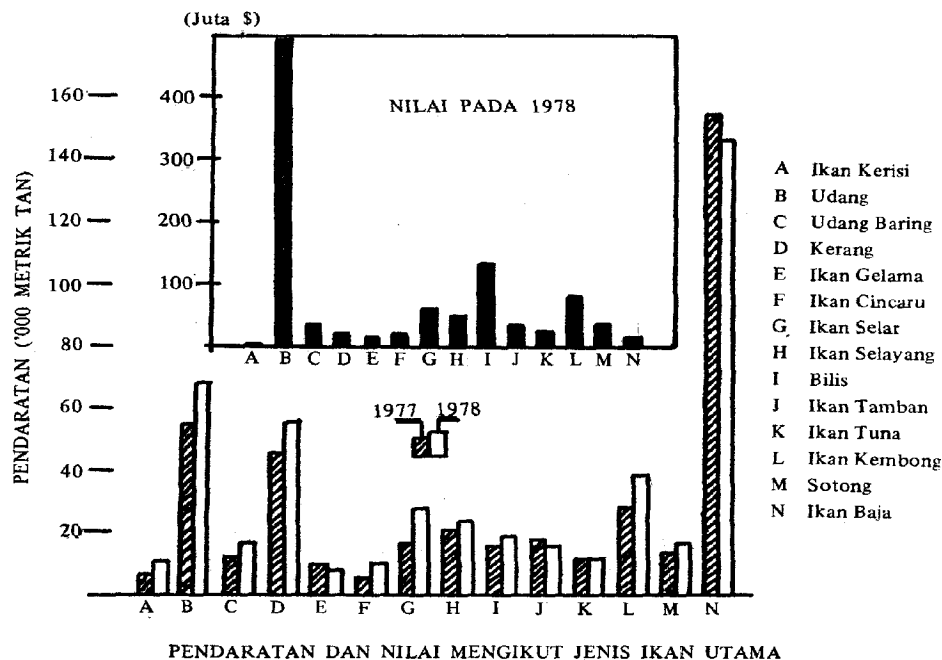
Perikanan pukat tunda berjaya mendaratkan 50% daripada jumlah pendaratan pada tahun 1978. Kejayaan perikanan pukat tunda ini disebabkan oleh musim baik bagi ikan-ikan paras air dan udang. Jumlah pendaratan pukat tunda telah meningkat sebanyak 9% daripada 261,125 metrik tan pada tahun 1977 kepada 285,019 metrik tan pada tahun 1978. Nilai pendaratan pukat tunda pada tahun 1978 adalah \$615 juta.

Perikanan pukat hanyut yang merupakan perikanan secara kecil-kecilan yang utama, telah memperoleh peningkatan sebanyak 29% daripada 24,504 metrik tan pada tahun 1977 kepada 31,508 metrik tan pada tahun 1978. Jumlah nilai pendaratan tahun 1978 adalah \$106 juta.

Perikanan kecil-kecilan lain yang kurang penting seperti bubu, pukat bakul, pukat rentang, pukat surung dan lain-lain menampakkan peningkatan yang beransur-ansur manakala perikanan kecil-kecilan yang agak penting seperti pukat tangguk, pukat tarik, belat-belat dan pancing telah mengalami kemerosotan pada tahun 1978 jika dibandingkan dengan tahun 1977.

Pengeluaran kerang dalam tahun 1978 adalah 55,598 metrik tan dan ini menunjukkan satu peningkatan sebanyak 19.8% melebihi tahun 1977. Nilai pengeluaran kerang pada tahun 1978 adalah \$22 juta.

4. Pendaratan Mengikut Jenis Ikan Utama:



Pendaratan dan penternakan laut pada tahun 1978 termasuk 402,996 metrik tan ikan, 89,039 metrik tan krustasia, 72,740 metrik tan molusk dan 123 metrik tan ubur-ubur.

PENDARATAN IKAN PARAS AIR

Peningkatan yang baik telah diperolehi dalam tahun 1978 dengan kedatangan musim ikan-ikan paras air sebagai punca penambahan hasil pendaratan. Jenis-jenis ikan utama yang dipilih untuk perbincangan di sini terdiri daripada ikan cincaru, ikan selar, ikan selayang,

bilis, ikan tamban, tuna, ikan kembong dan sotong. Keseluruhan jenis-jenis ikan tersebut telah menghasilkan peningkatan pendaratan dalam tahun 1978 jika dibandingkan dengan tahun 1977 kecuali ikan tamban dan tuna.

Pendaratan IKAN CINCARU telah meningkat sebanyak 109% daripada 4,831 metrik tan pada tahun 1977 kepada 10,105 metrik tan pada tahun 1978. Pendaratan di Pantai Barat adalah 7,644 metrik tan sedangkan Pantai Timur hanya mendaratkan 2,461 metrik tan. Kebanyakan ikan ini dihasilkan oleh pukot jerut, pukot tunda dan pukot hanyut. Nilai pendaratan ini adalah \$21 juta pada tahun 1978.

Pendaratan IKAN SELAR, termasuk ikan pelata dan ikan selar kuning, telah meningkat sebanyak 63% daripada 17,417 metrik tan dalam tahun 1977 kepada 28,458 metrik tan dalam tahun 1978. Pantai Barat memperolehi 7,948 metrik tan dan Pantai Timur memperolehi 20,508 metrik tan. Pukot jerut telah mendaratkan 65% daripada jumlah ikan ini dan bakinya oleh pukot-pukot tunda, hanyut, tangguk dan pancing. Nilai pendaratan ikan ini pada tahun 1978 adalah \$59 juta.

Pendaratan IKAN SELAYANG telah meningkat 10% kepada 23,666 metrik tan dalam tahun 1978 jika dibandingkan dengan tahun 1977. Peningkatan ini adalah terlalu sedikit kerana musim bagi ikan-ikan paras air pada amnya adalah baik. Manakala pendaratan ikan selayang telah meningkat sebanyak 32% pada tahun 1977, peningkatan yang kecil pada tahun ini menunjukkan musim bagi ikan ini sedang menurun. Pendaratan ikan selayang di Pantai Barat pada tahun 1978 adalah 6,025 metrik tan dan di Pantai Timur 17,641 metrik tan. Kebanyakan ikan ini (88%) telah didaratkan oleh pukot jerut dan bakinya didaratkan oleh pukot tangguk dan lain-lain pukot tradisi. Nilai pendaratan ikan selayang pada tahun 1978 adalah \$49 juta.

Pendaratan IKAN BILIS dalam tahun 1978 adalah 18,539 metrik tan. Ini menunjukkan satu kenaikan sebanyak 19% melebihi tahun 1977. Pendaratan ikan bilis di Pantai Barat adalah 14,882 metrik tan dan di Pantai Timur 3,657 metrik tan. Kebanyakan ikan bilis ini didaratkan di negeri-negeri Perak, Kedah dan Trengganu oleh pukot jerut bilis. Oleh kerana ikan ini diutamakan untuk menjadi ikan bilis kering maka ikan bilis basah tiada bernilai. Walau bagaimanapun pendaratan ikan bilis, selepas diproses, bernilai sebanyak \$136 juta pada tahun 1978.

Pendaratan IKAN KEMBONG telah meningkat sebanyak 36% daripada 28,531 metrik tan dalam tahun 1977 kepada 38,767 metrik tan dalam tahun 1978. Kadar peningkatan bagi Ikan Kembong dalam tahun 1977 adalah 58% tetapi bagi tahun 1978 telah menurun kepada 36%. Penurunan dalam kadar peningkatan ini mungkin menunjukkan penurunan dalam aliran pendaratan ikan ini. Hasil pendaratan Ikan Kembong di Pantai Barat adalah sebanyak 23,803 metrik tan dan di Pantai Timur sebanyak 14,964 metrik tan. Kebanyakan ikan ini didaratkan oleh pukot jerut dan juga oleh pukot tunda. Nilai pendaratan ikan ini pada tahun 1978 adalah \$80 juta.

Pendaratan SOTONG, termasuk sotong katak, sebanyak 16,634 metrik tan pada tahun 1978 adalah satu kenaikan sebanyak 22% melebihi tahun 1977. Pendaratan sotong di Pantai Barat adalah 11,778 metrik tan dan di Pantai Timur adalah 4,856 metrik tan. Kebanyakan (95%) sotong telah didaratkan oleh pukot tunda. Nilai pendaratan ini pada tahun 1978 adalah sebanyak \$34 juta.

Di antara ikan-ikan paras air utama yang telah merosot pendaratannya dalam tahun 1978 adalah ikan tamban dan tuna.

Pendaratan IKAN TAMBAN telah menurun sejak tahun 1977. Manakala kadar penurunan pada tahun 1977 adalah 13%, pendaratan sebanyak 16,181 metrik tan pada tahun 1978 menunjukkan satu lagi penurunan sebanyak 12% dalam tahun 1978. Penurunan ini hanya berlaku di Pantai Barat di mana pendaratan dalam tahun 1978 telah menurun sebanyak 4,593 metrik tan daripada 9,833 metrik tan dalam tahun 1977 kepada 5,240 metrik tan pada tahun 1978. Pendaratan di Pantai Timur sebaliknya telah meningkat daripada 8,582 metrik tan dalam tahun 1977 kepada 10,941 metrik tan dalam tahun 1978. Kebanyakan ikan tamban telah didaratkan oleh pukuk-pukuk jerut, tunda dan tangguk. Nilai pendaratan ikan tamban pada tahun 1978 adalah \$33 juta.

Pendaratan IKAN TUNA yang mengandungi ikan tongkol, kayu/aya hitam dan aya kurik telah menurun sebanyak 2% daripada 12,446 metrik tan dalam tahun 1977 kepada 12,147 metrik tan dalam tahun 1978. Kebanyakan ikan ini telah didaratkan di Pantai Timur (8,957 metrik tan) dan bakinya di Pantai Barat. Ikan-ikan ini pada kebiasaannya didaratkan oleh pukuk jerut, pukuk hanyut dan pancing. Nilai pendaratannya pada tahun 1978 adalah \$25 juta.

PENDARATAN IKAN DASAR LAUT

Kecuali ikan baja dan ikan gelama, kesemua ikan-ikan dasar laut yang utama seperti ikan kerisi, udang dan udang baring telah menunjukkan peningkatan dalam pendaratan mereka pada tahun 1978 jika dibandingkan dengan tahun 1977.

Pendaratan IKAN KERISI, kebanyakannya oleh pukuk tunda, pada tahun 1978 adalah 10,656 metrik tan. Jika dibandingkan dengan pendaratan dalam tahun 1977 sebanyak 6,103 metrik tan, ini menunjukkan satu kenaikan sebanyak 75%. Pendaratan di Pantai Barat pada tahun ini adalah 4,920 metrik tan dan di Pantai Timur 5,736 metrik tan. Jumlah nilai pendaratan ikan ini pada tahun 1978 adalah \$1.3 juta.

Pendaratan UDANG pada tahun 1978 sebanyak 67,548 metrik tan menunjukkan satu kenaikan sebanyak 24% jika dibandingkan dengan tahun 1977. Sejumlah 72% daripada pendaratan ini telah didaratkan oleh pukuk tunda dan yang bakinya oleh pukuk-pukuk tarik, bakul dan hanyut. Peningkatan sebanyak 24% ini adalah disebabkan oleh usaha menangkap ikan oleh pukuk tunda yang lebih intensif kerana peningkatan perbelanjaan khasnya kenaikan harga minyak disel. Disebabkan nilainya yang tinggi, udang merupakan nadi penggerak utama untuk menghidupkan perikanan pukuk tunda. Pendaratan udang di Pantai Barat adalah sebanyak 63,017 metrik tan sedangkan di Pantai Timur pendaratannya adalah sebanyak 4,531 metrik tan pada tahun ini. Sebab utama mengapa udang lebih banyak didaratkan di Pantai Barat adalah kerana hampir tiga perempat bilangan yunit pukuk tunda terdapat di Pantai Barat berserta dengan udang yang boleh diusahakan sepanjang tahun. Di Pantai Timur, bilangan yunit pukuk tunda amatlah kurang dan udang hanya boleh diperolehi pada musim tengkujuh sahaja. Jumlah nilai pendaratan udang pada tahun 1978 adalah sebanyak \$496 juta.

Pendaratan UDANG BARING telah menghasilkan 16,772 metrik tan dalam tahun 1978 dan ini menunjukkan satu kenaikan sebanyak 42% jika dibandingkan dengan tahun 1977. Kebanyakan udang baring didaratkan oleh pukuk bakul dan belat-belat. Udang baring

diusahakan untuk perusahaan belacan dan cincaluk. Nilai pendaratan udang baring pada tahun 1978 adalah \$35 juta.

IKAN GELAMA, kebanyakannya didaratkan oleh pukot tunda, adalah merupakan ikan dasar laut utama yang mengalami penurunan dalam pendaratannya pada tahun 1978. Jumlah pendaratan pada tahun 1978 adalah 8,484 metrik tan dan bernilai \$18 juta. Jika dibandingkan dengan pendaratan pada tahun 1977, sebanyak 10,060 metrik tan, ini menunjukkan satu kemerosotan sebanyak 16%. Kebanyakan ikan gelama didaratkan di Pantai Barat (6,322 metrik tan) dan yang bakinya di pantai Timur (2,162 metrik tan).

Pendaratan IKAN BAJA sebanyak 146,561 metrik tan pada tahun ini merupakan 26% daripada jumlah pendaratan ikan bagi keseluruhan Semenanjung. Dibandingkan dengan tahun 1977, pendaratan ikan baja telah merosot sebanyak 5%. Penurunan ini adalah kali pertama pendaratan ikan baja menurun walaupun jumlah ikan yang didaratkan telah bertambah. Penurunan ini hanya berlaku di sebelah Pantai Barat di mana pendaratan telah menurun sebanyak 8.5% daripada 135,324 metrik tan dalam tahun 1977 kepada 123,893 metrik tan pada tahun 1978. Pendaratan di Pantai Timur meningkat sebanyak 15% daripada 19,671 metrik tan dalam tahun 1977 kepada 22,668 metrik tan pada tahun 1978. Tetapi oleh kerana Pantai Barat mendaratkan 85% daripada jumlah pendaratan ikan baja di Semenanjung, penurunan di Pantai Barat telah menyebabkan penurunan 5% bagi seluruh Semenanjung Malaysia. Penurunan pendaratan ikan baja di Pantai Barat membangkitkan beberapa implikasi yang serius kerana ikan baja yang kebanyakannya terdiri dari anak-anak ikan yang boleh dimakan. Oleh kerana 69% daripada jumlah pendaratan ikan-ikan dasar laut adalah ikan baja, penurunan dalam ikan baja mungkin menunjukkan penurunan dalam sumber-sumber ikan dasar laut di Pantai Barat.

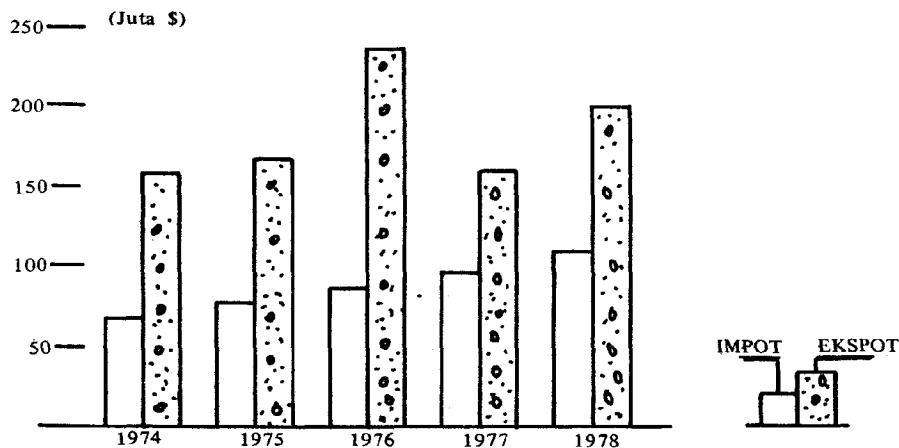
Sejumlah 88% daripada pendaratan ikan baja adalah didaratkan oleh pukot tunda dan yang bakinya oleh pukot-pukot bakul, tarik dan lain-lain perikanan tradisi. Jumlah nilai pendaratan ikan baja pada tahun 1978 adalah \$18 juta.

PENTERNAKAN

Penternakan kerang di tepi laut pada tahun 1978 adalah sebanyak 55,598 metrik tan dan ini menunjukkan satu kenaikan 19.8% melebihi tahun 1977. Kerang hanya ditenak di Pantai Barat dan Negeri Perak merupakan kawasan utama bagi penternakan kerang dan telah mengeluarkan 84% daripada jumlah pengeluaran bagi Semenanjung Malaysia. Nilai pengeluaran kerang pada tahun 1978 adalah sebanyak \$22 juta.

5. Impot Dan Ekspot Barangan Perikanan:

Impot and ekspot dalam barangan perikanan telah meningkat bagi tahun 1978 jika dibandingkan dalam tahun 1977. Oleh kerana kebanyakan impot adalah barangan perikanan yang bernilai rendah manakala barangan ekspot adalah bernilai tinggi, Semenanjung Malaysia telah menerima satu imbalan perdagangan yang berlebihan pada tahun 1978.



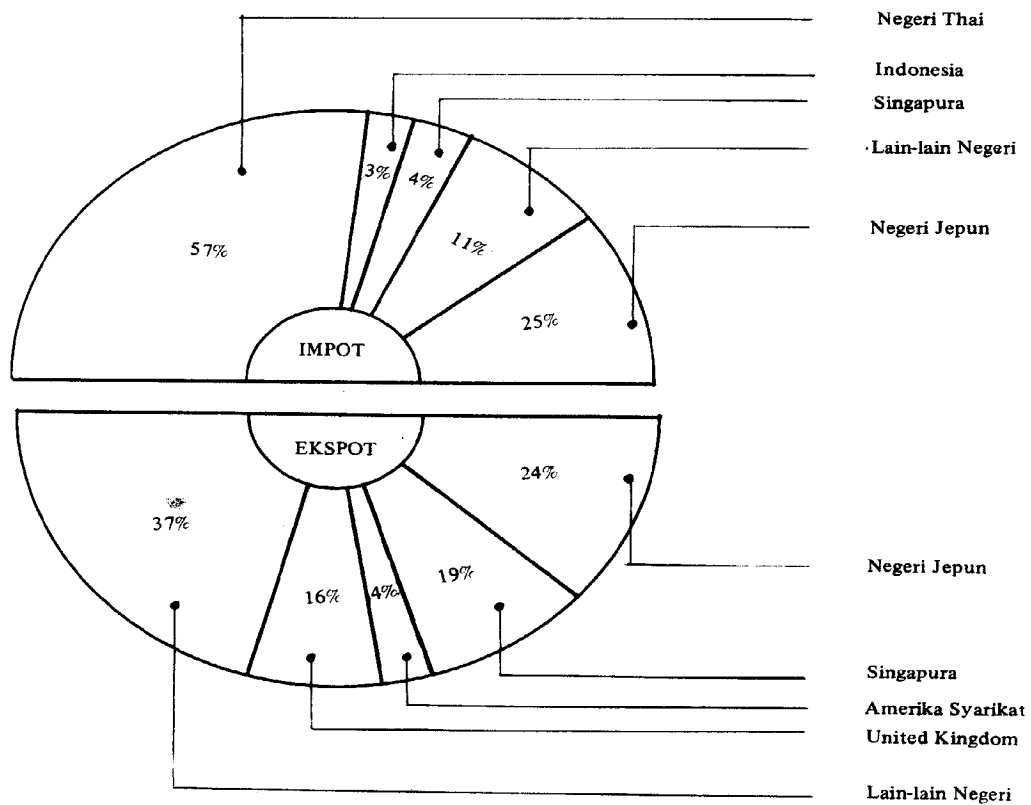
NILAI PERDAGANGAN BARANGAN PERIKANAN LUAR NEGERI

IMPOT

Semenjak lima tahun yang lalu, impot barangan perikanan telah terus meningkat. Ini adalah disebabkan pendaratan ikan dalam negeri tidak mencukupi bagi permintaan dalam negeri yang sedang meningkat. Jumlah impot dalam tahun 1978 sebanyak \$110 juta adalah 15.3% melebihi tahun 1977. Kebanyakan impot adalah ikan, udang, lain-lain krustasia dan molusk yang basah, disejukkan atau dibekukan berjumlah 46% dari jumlah impot. Daripada ini, ikan sendiri berjumlah 34% dari jumlah impot manakala udang berjumlah 9% daripada jumlah impot dan lain-lain krustasia dan molusk berjumlah 3%. Selain daripada ikan, krustasia dan molusk yang tersebut di atas, barangan impot yang bersama-sama penting adalah ikan, krustasia dan molusk yang ditinkan. Barangan ini telah berjumlah 25% daripada jumlah impot. Di antara barangan yang tidak boleh dimakan, yang penting adalah tepung ikan yang berjumlah 15% dari jumlah impot. Negeri-negeri utama yang mengeksport kepada Semenanjung Malaysia pada tahun 1978 adalah Negeri Thai dan Jepun. Manakala kebanyakan eksport Thai adalah ikan, krustasia dan molusk yang basah atau disejukkan, eksport Jepun kebanyakannya adalah pengeluaran-pengeluaran ikan dimengetinkan.

EKSPOT

Jumlah eksport barangan perikanan pada tahun 1978 adalah lebih \$200 juta. Dibandingkan dengan tahun 1977 ini adalah satu kenaikan sebanyak 25.3%. Kebanyakan eksport adalah ikan, udang, lain-lain krustasia dan molusk yang basah, disejuk atau dibekukan yang berjumlah 71% daripada jumlah eksport. Di antara ini, udang sahaja berjumlah 51% daripada jumlah eksport manakala ikan dan lain-lain krustasia dan molusk berjumlah 12% dan 8% masing-masing daripada jumlah eksport. Negeri-negeri utama yang mengimpot dari Semenanjung Malaysia adalah Singapura, Jepun dan United Kingdom. Manakala kebanyakan eksport ke Singapura adalah ikan, udang dan molusk basah atau disejukkan, eksport ke Jepun dan United Kingdom adalah kebanyakannya udang, ikan dan lain-lain krustasia dan molusk yang dibekukan.



Impot-Ekspot Barangan Perikanan
Mengikut Negeri-Negeri Asal dan Destinasi

SARAWAK

1. Pendaratan Tahun 1978:

Pada kali pertama sejak tahun 1972, pendaratan dan penternakan laut (kecuali perikanan ikan airtawar) di negeri Sarawak telah menunjukkan kemerosotan dalam tahun 1978. Pendaratan pada tahun ini sebanyak 77,512 metrik tan menunjukkan satu kemerosotan sebanyak 7% atau 5,783 metrik tan jika dibandingkan dengan tahun yang lalu. Kemerosotan ini adalah disebabkan oleh kekurangan pendaratan ubur-ubur pada tahun 1978. Kemerosotan pendaratan ubur-ubur, walaupun bertambahnya lain-lain perikanan, adalah satu sebab utama yang menyebabkan kemerosotan pendaratan dalam tahun 1978.

2. Pendaratan Mengikut Perikanan Utama:

Perikanan utama di negeri Sarawak adalah terdiri daripada Pukat tunda dan Pukat hanyut. Akan tetapi dalam tahun 1977, Pukat surung/tangguk telah menjadi satu daripada perikanan-perikanan yang penting oleh kerana kebanyakan ubur-ubur telah didaratkan oleh perikanan ini. Dengan kemerosotan pendaratan ubur-ubur pada tahun 1978, kumpulan perkakas ini telah kembali ke tempat asalnya sebagai perikanan tradisi yang kecil-kecilan.

Seperti di Semenanjung Malaysia, Perikanan Pukat tunda adalah perikanan yang paling utama di negeri Sarawak. Perikanan ini telah berjaya mendaratkan 68% daripada jumlah pendaratan pada tahun 1978. Pendaratan Pukat tunda pada tahun 1978 sebanyak 52,439 metrik tan menunjukkan satu peningkatan sebanyak 15% melebihi tahun 1977. Manakala kenaikan pada tahun 1977 adalah 4% kenaikan 15% pada tahun ini menunjukkan perkembangan baik dalam perikanan ini.

Perikanan Pukat hanyut yang berjaya mendaratkan 17% daripada jumlah pendaratan pada tahun 1978 telah mengekalkan kedudukannya sebagai perikanan utama yang kedua di negeri Sarawak. Pendaratan perikanan ini pada tahun 1978 sebanyak 13,139 metrik tan adalah satu kemerosotan sebanyak 14% jika dibandingkan dengan tahun 1977. Akan tetapi manakala kekurangan pada tahun 1977 adalah 27%, kekurangan tahun ini sebanyak 14% menunjukkan satu perkembangan yang baik bagi perikanan ini.

Selain daripada Pukat tunda dan Pukat hanyut, semua perikanan yang lain adalah perikanan-perikanan kecil-kecilan yang bersama-sama telah berjaya mendaratkan sebanyak 15% daripada jumlah pendaratan pada tahun 1978. Kecuali perikanan Pukat surung/tangguk, semua perikanan kecil-kecilan yang lain tidak menunjukkan apa-apa perubahan yang penting pada tahun 1978. Perikanan Pukat surung/tangguk yang pada tahun 1977 berjaya mendaratkan 17% daripada jumlah pendaratan tetapi pada tahun ini hanya berjaya mendaratkan 2% daripada jumlah pendaratan. Ini adalah kerana pendaratan utama perikanan ini pada tahun 1977 adalah ubur-ubur yang telah bermusim baik. Tetapi dengan kemerosotan dalam pendaratan ubur-ubur pada tahun 1978, pendaratan perikanan ini telah merosot daripada 13,720 metrik tan pada tahun 1977 kepada 1,223 metrik tan pada tahun 1978. Dan dengan itu, kepentingan perikanan ini juga telah menurun kepada tarafnya seperti tahun-tahun sebelum tahun 1977.

3. Pendaratan Mengikut Jenis Ikan Utama:

Pendaratan laut pada tahun 1978 termasuk 60,617 metrik tan ikan, 14,930 metrik tan krustasia, 874 metrik tan molusks dan 1,091 metrik tan ubur-ubur. Seperti di Semenanjung Malaysia, jenis-jenis ikan adalah banyak. Oleh yang demikian hanya jenis-jenis yang utama sahaja dibincangkan di sini. Kecuali ubur-ubur, semua jenis-jenis utama yang lain telah menunjukkan peningkatan pada tahun 1978 jika dibandingkan dengan tahun lalu.

Jenis pendaratan yang banyak sekali adalah IKAN BAJA yang didaratkan oleh pukut tunda. Pendaratan Ikan Baja telah meningkat sebanyak 10% daripada 12,480 metrik tan pada tahun 1977 kepada 13,761 metrik tan pada tahun 1978. Manakala kenaikan pada tahun 1977 adalah 4% kenaikan 10% pada tahun ini adalah disebabkan oleh perkembangan dalam aktiviti pukut tunda di kawasan ini.

IKAN CAMPUR adalah satu tangkapan tambahan yang penting yang didaratkan oleh pukut tunda. Walaupun lain-lain perikanan juga mendaratkan ikan jenis ini tetapi kuantiti yang terbesar sekali adalah didaratkan oleh pukut tunda. Jumlah pendaratan kumpulan ikan ini adalah sebanyak 9,966 metrik tan pada tahun 1978 dan jika dibandingkan dengan pendaratan sebanyak 10,473 metrik tan pada tahun 1977 menunjukkan satu kemerosotan sebanyak 5%.

Pendaratan UDANG adalah sebanyak 14,210 metrik tan pada tahun 1978 jika dibandingkan dengan tahun lalu. Ini menunjukkan satu kenaikan sebanyak 50%. Walaupun udang adalah didaratkan oleh berbagai-bagai perkakas perikanan, sebahagian besarnya adalah didaratkan oleh pukut tunda. Manakala pendaratan udang telah merosot sebanyak 8% pada tahun 1977. Kenaikan 50% pada tahun 1978 telah menunjukkan satu pengharapan yang baik bagi perusahan perikanan. Ini adalah disebabkan nilai udang yang merupakan satu sumber hasil penjualan yang penting di dalam dan di luar negeri.

IKAN DURI dan IKAN GELAMA, kedua-dua jenis ini pendaratan biasa pukut tunda. telah meningkat sebanyak 177% dan 22% masing-masing pada tahun 1978 melebihi tahun 1977. Pendaratan Ikan Duri adalah 4,294 metrik tan pada tahun 1978 manakala pendaratan Ikan Gelama adalah 3,513 metrik tan.

Di antara ikan-ikan paras air, ikan paras air yang terutama adalah IKAN KEMBONG. Pendaratan Ikan Kembong sebanyak 3,750 metrik tan pada tahun 1978 adalah satu kenaikan 43% melebihi tahun 1977.

Kemerosotan yang terbesar sekali pada tahun 1978 adalah ubur-ubur yang merosot daripada 16,040 metrik tan pada tahun 1977 kepada 1,091 metrik tan pada tahun 1978. Pendaratan ubur-ubur adalah mengikut musim dan pada tahun 1977 adalah tahun yang teristimewa. Kuantiti pendaratan ubur-ubur pada tahun 1978 adalah sama banyak dengan pendaratan ubur-ubur pada tahun-tahun sebelum tahun 1977. Kemerosotan ubur-ubur telah menimpa bukan sahaja pengusaha-pengusaha pukut surung/tangguk tetapi juga pengilang-pengilang ubur-ubur yang mendirikan pusat-pusat memproses ubur-ubur pada tahun 1977. Kekurangan ubur-ubur juga telah merugikan perikanan Sarawak dari segi pendapatan sumber pertukaran matawang asing yang baik kerana sebahagian besar ubur-ubur yang diproses adalah untuk diekspotkan.

4. Impot Dan Ekspot Barangan Perikanan:

Walaupun negeri Sarawak mempunyai penduduk yang kecil serta banyak sumber-sumber ikan, Sarawak masih menjadi pengimpot ikan dari segi kuantiti pada tahun 1978. Jumlah impot ikan dan barangan ikan ke Sarawak pada tahun 1978 adalah 2,022 metrik tan yang bernilai sebanyak \$5 juta. Jumlah ekspot pada tempoh yang sama adalah 1,819 metrik tan yang bernilai lebih \$9 juta. Walaupun Sarawak masih menjadi pengimpot dari segi kuantiti, Sarawak juga menjadi pengeksport dari segi nilai oleh kerana kebanyakan udang yang di-ekspot adalah bernilai tinggi.

Pada amnya, didapati ada kemerosotan dalam perdagangan luar barangan ikan pada tahun 1978 jika dibandingkan dengan tahun 1977 dari segi kuantiti dan nilai. Impot telah merosot sebanyak 60% dari segi kuantiti dan 58% dari segi nilai, manakala ekspot merosot sebanyak 41% dari segi kuantiti dan 155% dari segi nilai.

SABAH

1. Pendaratan Tahun 1978:

Pada 10 tahun yang lalu, jumlah pendaratan dan penternakan Sabah telah meningkat kecuali tahun 1976 di mana telah berlaku sedikit kemerosotan. Kebanyakan pendaratan didaratan di Pantai Timur Sabah yang bersempadankan Laut Sulu dan Sulawesi di mana pengkalan-pengkalan perikanan utama di tempatkan.

Jumlah pendaratan dan penternakan pada tahun 1978 adalah 41,600 metrik tan yang menunjukkan satu kenaikan 15% melebihi tahun 1977. Nilai pendaratan ini adalah sebanyak \$107 juta. Pendaratan perikanan laut adalah 40,100 metrik tan yang bernilai sebanyak \$103 juta manakala pengeluaran perikanan ternakan adalah 1,500 metrik tan yang bernilai sebanyak \$4 juta. Kadar kenaikan pada tahun ini adalah lebih kurang sama dengan tahun lalu yang mencerminkan keadaan kukuh perikanan ini dengan tiada apa-apa perkembangan pada tahun 1978.

2. Pendaratan Mengikut Jenis Ikan Utama:

Jumlah pendaratan dan penternakan adalah terdiri daripada 28,800 metrik tan perikanan laut, 9,000 metrik tan Krustasia, 1,600 metrik tan molusk, 700 metrik tan lain-lain kehidupan laut dan 1,500 metrik tan ikan airtawar.

Di antara jenis-jenis ikan yang terutama dalam kumpulan ini yang telah menunjukkan satu kenaikan yang besar pada tahun 1978 melebihi tahun 1977 adalah terdiri daripada Mackerels, Bill fishes dan lain-lain, Redfishes, Basses, Congers dan lain-lain dan Krustasia (kebanyakannya udang-udang).

Jack dan Mulletts adalah satu kumpulan jenis-jenis ikan penting yang menunjukkan satu kemerosotan pada tahun 1978.

Pendaratan Mackerels, Bill fishes dan lain-lain telah menunjukkan satu kenaikan sebanyak 49% daripada 7,400 metrik tan pada tahun 1977 kepada 11,000 metrik tan pada tahun 1978. Jumlah nilai pada tahun 1978 adalah \$24 juta.

Jumlah pendaratan Redfishes, Basses, Congers dan lain-lain pada tahun 1978 adalah 7,300 metrik tan. Jika dibandingkan dengan pendaratan pada tahun 1977 sebanyak 6,500 metrik tan ini menunjukkan satu kenaikan sebanyak 12%. Jumlah nilai pendaratan ini pada tahun 1978 adalah \$14 juta.

Kebanyakan kumpulan krustasia adalah terdiri daripada udang-udang yang merupakan perdagangan yang terutama bagi pendaratan laut di Sabah. Jumlah pendaratan krustasia pada tahun 1978 adalah 9,000 metrik tan jika dibandingkan dengan pendaratan pada tahun 1977 iaitu sebanyak 6,000 metrik tan. Ini menunjukkan satu kenaikan sebanyak 50%. Jumlah nilai pendaratan ini pada tahun 1978 adalah \$44 juta.

Jack dan Mulletts adalah merupakan kumpulan ikan ini yang menunjukkan kemerosotan yang banyak pada tahun 1978. Jumlah pendaratan telah merosot daripada 7,900 metrik

tan pada tahun 1977 kepada 5,700 metrik tan pada tahun 1978 iaitu kurangan sebanyak 28%. Jumlah pendaratan ini pada tahun 1978 adalah \$13 juta.

3. Impot Dan Ekspot Barangan Perikanan:

Jumlah keperluan ikan dalam negeri bagi tahun 1978 untuk negeri Sabah adalah 42,994 metrik tan. Walaupun pengeluaran ikan di negeri Sabah adalah 41,600 metrik tan, Sabah masih menjadi pengimpot ikan dari segi kuantiti pada tahun 1978. Sungguh pun kadar perdagangan tidak menguntungkan negeri Sabah dari segi kuantiti, Sabah masih mendapat kelebihan perdagangan sebanyak \$22.9 juta oleh kerana pengeksportan barangan perikanan yang bernilai tinggi.

Jumlah impot barangan perikanan ke Sabah pada tahun 1978 adalah 5,195 metrik tan yang bernilai \$11.8 juta manakala jumlah ekspot dari Sabah adalah 3,801 metrik tan yang bernilai \$34.7 juta dalam tempuh yang sama. Jika dibandingkan dengan tahun 1977, impot pada tahun 1978 telah meningkat sebanyak 1,109 metrik tan dan \$1.6 juta. Manakala ekspot pula merosot sebanyak 1,925 metrik tan dan juga \$1.6 juta.

Walau bagaimanapun, didapati tiada apa-apa perubahan dari segi nilai tetapi dari segi kuantiti bagi impot dan ekspot, impot telah bertambah manakala ekspot telah merosot. Pertambahan impot dan kekurangan ekspot ini telah menunjukkan satu peningkatan permintaan ikan dalam negeri.

Impot yang utama pada tahun 1978 ke Sabah adalah terdiri daripada ikan, krustasia, molusk dan belacan yang ditinkan. Jumlah nilai impot barangan ini adalah bernilai \$9 juta atau sebanyak 76% dari jumlah impot barangan perikanan.

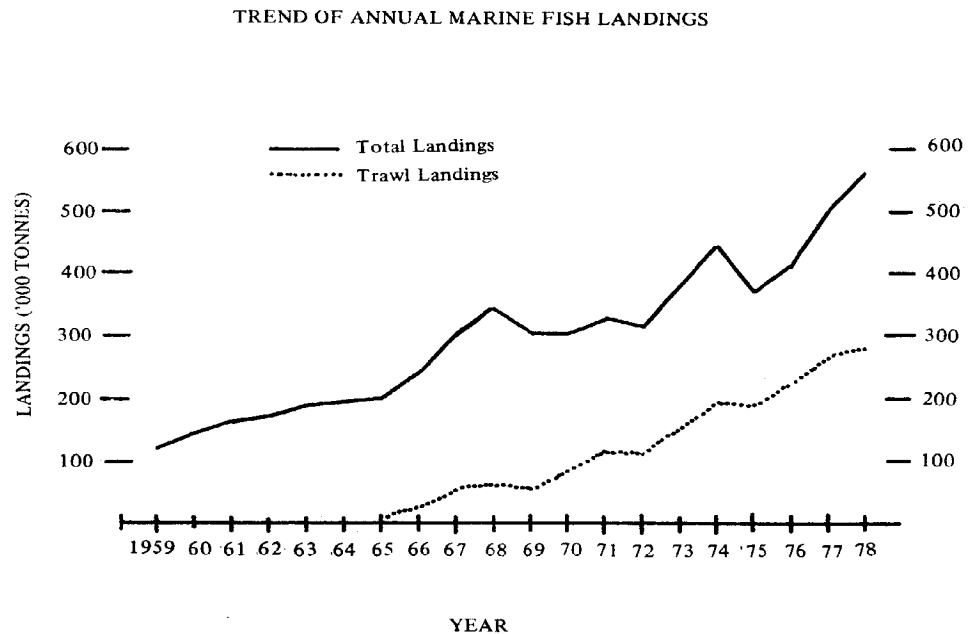
Ekspot yang utama adalah terdiri dari udang basah/beku (\$31.1 juta) udang basah/sejuk (\$0.74 juta) dan ikan-ikan beku (\$1.7 juta). Jumlah nilai udang adalah \$31.84 juta yang diekspotkan atau 92% daripada jumlah ekspot barangan perikanan pada tahun 1978.

(TRANSLATION)

GENERAL REVIEW

PENINSULAR MALAYSIA

1. Trend of Annual Landings:



The trend of annual fisheries landings and cultures (excluding freshwater fisheries) has been increasing for the last two decades or so. One reason for this trend was the mechanization of the fishing fleet which increased fishing effort and efficiency. Another more important reason for this trend was the introduction of trawling in 1965 which acted as growth catalyst by increasing the pace of mechanization and capital investment in the fishery. These developments greatly contributed to the increase in landings.

Whereas the prospects for the continuation of this trend on the East Coast is good, the West Coast, on the other hand, has very limited potential for further growth. This is because of the limitations imposed by the geography of the coastline and the lack of knowledge of the resources in the off-shore waters. Presently about 72% of the total fishing fleet in the country is concentrated in the inshore waters of the West Coast and contributing to about 73% of total Peninsular landings. This concentration of fishing effort has put a heavy pressure on the existing resources to a point that it has begun to lead to a situation of over exploitation of the resources. This is reflected in the increasing trend in trash fish landings and the decrease in the sizes of fish and prawn species landed. Today the marine fishery here

is sustained mainly by prawns and the more or less regular good seasons for pelagic fishes such as in 1967 – 1968, 1973 – 1974 and 1977 – 1978.

2. Landings in 1978:

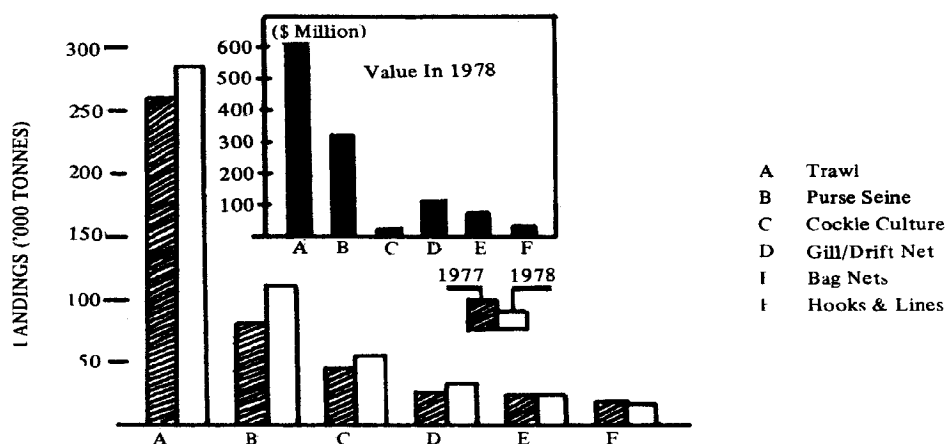
Total landings by fisheries and cultures (excluding freshwater fisheries) in 1978 was 564,898 tonnes. Compared to 1977, this is an increase of 13.4% or 66,946 tonnes. Whereas the increase in 1977 was 21.2%, this year's increase indicates a slower growth rate in the fishery. The increase in 1978 was due largely to the abundance of pelagic fish species, prawns and the increase in cockle production. Pelagic fish landings increased by 21.8% to 169,548 tonnes; prawn landings increased by 23.8% to 67,548 tonnes; and cockles increased by 19.8% to 55,598 tonnes. By comparison, demersal fish landings increased by 4.6% to 233,448 tonnes while other crustaceans, molluscs and jelly fish increased by 12% to 38,756 tonnes.

The West Coast landed 410,774 tonnes in 1978 which was an increase of 8.7% over 1977. Whereas last year's increase was 28.3%, this year's increase of 8.7% could possibly mean that the upward trend which started in 1976 is beginning to taper-off. The increase in 1978 was largely due to the increase in pelagic fish landings, prawn landings and cockle production. Pelagic fish landings increased by 21.3% from 69,994 tonnes in 1977 to 84,915 tonnes in 1978; prawn landings increased by 23.5% from 50,987 tonnes in 1977 to 63,017 tonnes in 1978; and cockles increased by 19.8% from 46,423 tonnes in 1977 to 55,598 tonnes in 1978. By comparison, demersal fish landings increased by a mere 0.4% from 179,411 tonnes in 1977 to 180,257 tonnes in 1978, while other crustaceans, molluscs and jellyfish landings decreased by 13.1% from 31,052 tonnes in 1977 to 26,987 tonnes in 1978.

The East Coast landed 154,124 tonnes in 1978 which was an increase of 28% over 1977. Compared to last year's increase of 3.2%, this year's increase of 28% indicates better prospects for growth. The main reason for this year's increase was the recovery of the fisheries in Kelantan and East Johore. Both these states which had a very poor season in 1977, had increases in their landings this year by 103% and 120% respectively. This recovery was largely brought about by the abundance of pelagic and demersal fishes, squids, cuttlefish and acetes. East Coast pelagic fish landings increased by 22% from 69,223 tonnes in 1977 to 84,633 tonnes in 1978; demersal fish landings increased by 21% from 43,738 tonnes in 1977 to 53,191 tonnes in 1978; and other crustaceans and molluscs (mainly acetes, squids and cuttlefish) increased by 34% from 3,527 tonnes in 1977 to 11,769 tonnes in 1978. Prawns, which are less significant on the East Coast, increased by 26% from 5,597 tonnes in 1977 to 4,531 tonnes in 1978.

Total value of fish landings and cultures (excluding fresh-water fisheries) in 1978 was \$ 1,293 million. Compared to 1977 this is an increase of 56%. This increase in value was due to the increase in landings and the increase in fish prices brought about by the increasing domestic demand for fish.

3. Landings By Major Fisheries:



LANDINGS AND VALUE BY MAJOR FISHERIES

Peninsular Malaysian fisheries are roughly divided into large scale and small scale fisheries. Large scale fisheries consists of purse seines and trawls while all others are small scale traditional fisheries.

The large scale fisheries, which account for 70% of total landings, benefitted from the good season for pelagic fish and prawns this year. The 1978 purse seine fishery landing was 112,634 tonnes which was an increase of 32,799 tonnes or 41% over 1977. The total value of the landings by this fishery was \$324 million.

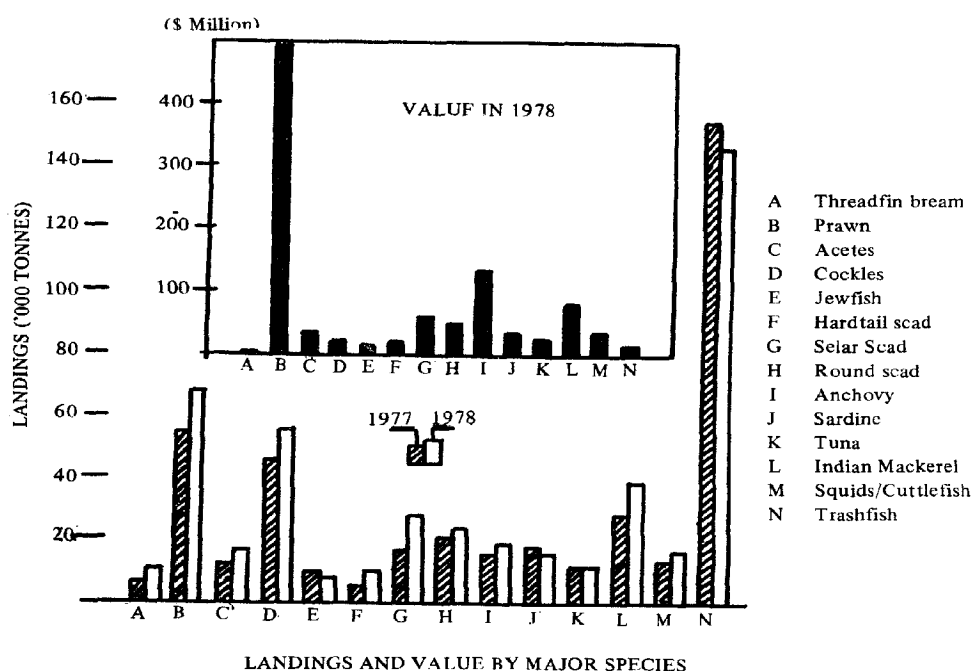
The trawl fishery, which accounts for 50% of total landings, also had a good season in 1978 with total landings increasing by 9% from 261,125 tonnes in 1977 to 285,019 tonnes in 1978. The increase of 9% was mainly brought about by the increase in pelagic fish and prawn landings. The total value of trawl landings in 1978 was \$615 million.

The most significant small scale fishery is the drift/gill net fishery. Drift/gill net landings increased by 29% from 24,504 tonnes in 1977 to 31,508 in 1978. The value of the 1978 landing was \$106 million.

Other less significant small scale fisheries like traps, bagnets, barrier nets, push nets etc. also showed small increases in their 1978 landings. However, the more significant small scale fisheries like liftnets, seines, fishing stakes and hooks and lines had a decrease in landings in 1978 compared to 1977.

The coastal aquaculture production of cockles in 1978 was 55,598 tonnes which was a 19.8% increase over 1977. The value of this year's cockle production was \$22 million.

4. Landings By Major Species:



The 1978 marine landings and cultures composed of 402,996 tonnes of fish, 89,039 tonnes of crustaceans, 72,740 tonnes of molluscs and 123 tonnes of jellyfish.

PELAGIC LANDINGS

This year there were significant increases in pelagic fish landings due to the prevailing good season. The major species selected for mention here are Hardtail scads, Selar scads, Round scads, Anchovies, Sardines, Tuna, Indian mackerels and Squids Cuttlefish. Except for Sardines and Tuna, all the other species increased in landings in 1978 over 1977.

HARDTAIL SCAD Landings increased by 109% from 4,831 tonnes in 1977 to 10,105 tonnes in 1978. By area, the West Coast landed 7,644 tonnes while 2,461 tonnes were landed on the East Coast. The bulk of this species was landed by purse seines, trawls and drift/gillnets. The value of hardtail landings in 1978 was \$21 million.

SELAR SCADS which include the Yellow-tail and Goldbanded scads, increased by 63% from 17,417 tonnes in 1977 to 28,456 tonnes. The West Coast landed 7,948 tonnes while the East Coast landed 20,508 tonnes. Purse Seines landed 65% of this species while the balance was landed by trawls, drift/gill nets, lift nets and hooks and lines. The value of Selar landings in 1978 was \$59 million.

ROUND SCAD landings in 1978 was 23,666 tonnes. Compared to 1977 this was only a 10% increase. There was no significant increase in this species even though the season for pelagic species was generally good. Whereas there was a 32% increase in 1977, this year's 10% increase may indicate that the season for round scads is on the down swing. The West Coast

landings of round scads was 6,025 tonnes while the East Coast landings was 17,641 tonnes. The bulk of this species (88%) was landed by purse seines while the balance by liftnets and other minor gears. The value of round scad landings in 1978 was \$49 million.

ANCHOVY landings in 1978 was 18,539 tonnes which was a 19% increase over 1977. The West Coast landings were 14,882 tonnes while East Coast landings were 3,657 tonnes. Anchovies, which are almost exclusively landed by purse seines, were mainly landed in Kedah, Perak and Trengganu. In terms of value, anchovies have no value in their wet state as they were used for conversion into salted/dried anchovies. The value, after processing, was \$136 million in 1978.

INDIAN MACKEREL landings increased by 36% from 28,531 tonnes in 1977 to 38,767 tonnes in 1978. Whereas the 1977 increase was 58%, this year's increase may indicate a downward trend in landings of this species. The West Coast landings were 23,803 tonnes while the East Coast landings were 14,964 tonnes. Most of the Indian mackerels were landed by purse seines and to a lesser extent by trawlers. The value of Indian mackerel landings in 1978 was \$80 million.

SQUIDS AND CUTTLEFISH landings in 1978 was 16,634 tonnes. This was an increase of 22% over 1977. The West Coast landings were 11,778 tonnes while for the East Coast it was 4,856 tonnes. The bulk of squids and cuttlefish (95%) was landed by trawlers. Total value of their landings in 1978 was \$34 million.

Among the dominant pelagic species which showed a decrease in 1978 were sardines and tuna.

SARDINE landings has been on the decrease since 1977. Whereas the decrease in 1977 was 13%, this year's landings of 16,181 tonnes is a further decrease by 12% over 1977. This decrease in landings in 1978 was only on the West Coast where landings declined by 4,593 tonnes from 9,833 tonnes in 1977 to 5,240 tonnes in 1978. East Coast sardine landings, however, increased from 8,582 tonnes in 1977 to 10,941 tonnes in 1978. Most of the sardines were landed by purse seines, trawlers and liftnets. The value of the 1978 sardine landings was \$33 million.

TUNA which composes of the Northern bluefin tuna, bonito and Longtail tuna, also showed a small decrease in landings of 2% from 12,446 tonnes in 1977 to 12,147 tonnes in 1978. The bulk of these tuna were landed on the East Coast (8,957 tonnes) while the balance were landed on the West Coast. These tuna species were mainly landed by purse seines, hooks and lines and drift/gill nets. Value of tuna landings in 1978 was \$25 million.

DEMERSAL LANDINGS

With the exception of trash fish and Jewfish, all the other dominant demersal species showed an increase in 1978 over 1977. These were threadfin breams, prawns and acetes.

THREADFIN BREAMS mainly landed by trawlers, amounted to 10,656 tonnes in 1978. This was a 75% increase over the 1977 landings of 6,103 tonnes. The West Coast landings amounted to 4,920 tonnes while the East Coast landings were 5,736 tonnes. The value of threadfin bream landings in 1978 was \$1.3 million.

PRAWN landings in 1978 amounted to 67,548 tonnes which was a 24% increase over 1977. Being the mainstay of the trawl fishery, 72% of the 1978 landings were by trawlers while the balance were landed by seines, bagnets and drift/gill nets. The 24% increase in landings this year could be possibly due to the intensification of the trawl fishing effort brought about by rising production costs, especially diesel fuel prices. Prawns, because of their value, is vital to the survival of the trawl fishery. The bulk of the prawn landings were on the West Coast totalling 63,017 tonnes, while the balance of 4,531 tonnes was landed on the East Coast. The disparity in quantity landed between the two coasts is because the bulk of the trawl fleet is on the West Coast and also because the West Coast prawn fishery is an all the year round fishery. The East Coast, on the other hand, has a smaller trawl fleet and also the prawn fishery is seasonal, appearing mainly during the northeast monsoon period. The total value of prawn landings in 1978 was \$496 million.

ACETES, a kind of tiny shrimps, caught mainly by bagnets and fishing stakes amounted to 16,772 tonnes in 1978. This was an increase of 42% over 1977. Acetes is mainly used in the production of a shrimp paste called "belacan" and a pickled paste called "cincalok". The total value of acetes landings in 1978 was \$35 million.

JEWFISH, mainly landed by trawlers, was one of the dominant demersal species which showed a decline in 1978. The total quantity landed in 1978 was 8,484 tonnes valued at \$18 million. Compared to the 10,060 tonnes in 1977, this year's landing shows a decrease of 16%. The bulk of Jewfish was landed on the West Coast (6,322 tonnes) while the balance was landed on the East Coast (2,162 tonnes).

TRASHFISH landings in 1978 was 146,561 tonnes, which was 26% of total landings. Compared to 1977, this year's landing showed a decrease of 5%. This decrease is significant because this is the first time trash-fish landings declined inspite of an overall increase in total landings. The decline in trashfish landings occurred only on the West Coast where landings declined by 8.5% from 135,324 tonnes in 1977 to 123,893 tonnes in 1978. East Coast landing, however, increased by 15% from 19,671 tonnes in 1977 to 22,668 tonnes in 1978. But because the West Coast accounts for 85% of total trashfish landings, there was an overall decline in landings when the West Coast landings decreased. This decline on the West Coast has serious implications because trashfish, which is mainly juvenile edible fish and amounting to 69% of total demersal landings, may indicate a decrease in West Coast demersal fish resources.

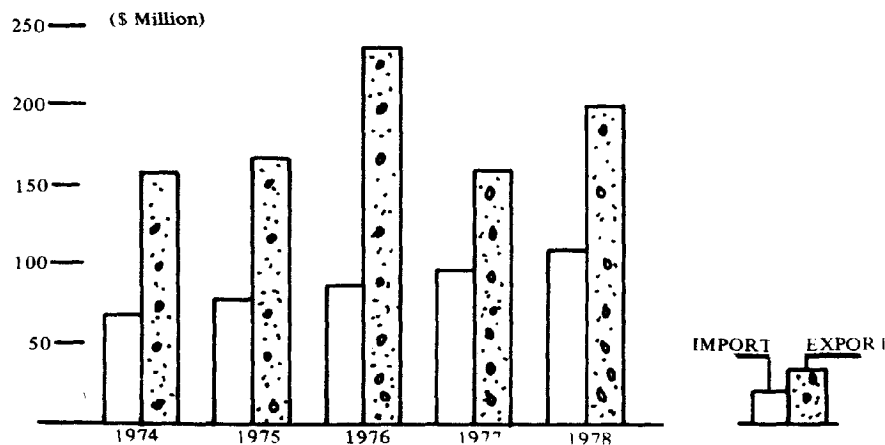
As trashfish is mainly a by-catch of trawling, trawlers landed 88% of the total trashfish landings while the balance was landed by bagnets, seines and other minor fisheries. The value of trashfish landings was \$18 million in 1978.

CULTURES

The marine coastal aquaculture of cockles produced 55,598 tonnes of blood cockles which was a 19.8% increase over 1977. Cockles are only cultured on the West Coast and Perak being the most important centre produced 84% of the total production in the country. The value of cockles produced in 1978 was \$22 million.

5. Imports And Exports of Fishery Commodities:

Both imports and exports increased in 1978 over 1977. As imports were mainly cheaper fishery commodities while exports were largely fishery commodities of higher value, there was thus a surplus trade balance in fishery commodities favourable to Peninsular Malaysia in 1978 in value terms.

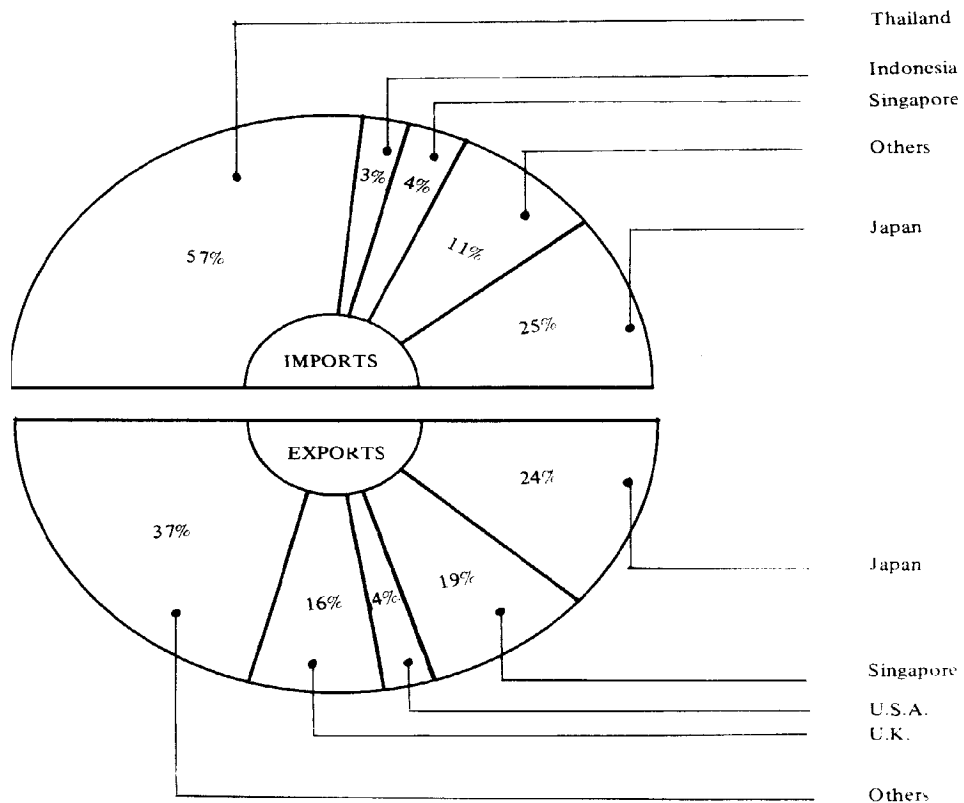


IMPORTS

Imports of fishery commodities have been increasing for the last five years. This was so because domestic fish landings have been unable to meet the growing domestic demand. Total imports in 1978 was about \$110 million which was 15.3% more than that of 1977. The bulk of the imports were fresh, chilled or frozen fish, prawns, other crustaceans and molluscs which together accounted for 46% of total imports. Of these, fish alone accounted for 34% of total imports while prawns accounted for 9% of total imports and the other crustaceans and molluscs made up the remaining 3%. Besides fresh, chilled and frozen fish, crustacea and molluscs, the next most important commodity was canned fish, crustacea and molluscs which together accounted for 25% of total imports. Among the non-edible commodities, the most important was fishmeal which accounted for 15% of total imports. The major exporting countries to Peninsular Malaysia in 1978 were Thailand and Japan. Whereas the bulk of Thai Exports to this country were fresh or chilled fish, crustacea and molluscs, the Japanese exports were largely canned fish products.

EXPORTS

Exports of fishery commodities amounted to more than \$200 million in 1978. Compared to 1977 this was an increase of 25.3%. The bulk of the export were fresh, chilled or frozen fish, prawns and other crustaceans and molluscs which together accounted for 71% of total exports. Of these, prawns alone accounted for 51% of total exports while fish and other crustaceans and molluscs accounted for 12% and 8% of total exports respectively. The major importing countries from Peninsular Malaysia were Singapore, Japan and the United Kingdom. Whereas the exports to Singapore were largely fresh or chilled fish, prawns and molluscs, the exports to Japan and the United Kingdom were mainly frozen prawns, frozen fish and other frozen crustaceans and molluscs.



Peninsular Malaysia: Imports-Exports Of Fishery Commodities By Countries Of Origin And Destination

SARAWAK

1. Landings In 1978:

For the first time since 1972 Sarawak's marine fisheries and cultures (excluding freshwater fisheries) showed a decline in landings in 1978. This year's landings of 77,512 tonnes was 5,783 tonnes or 7% less than that of last year. This decline was brought about by the decline in jellyfish landings in 1978. The decline in jellyfish landings, though offset by increases in other fisheries, is the main reason for the decrease in 1978 landings.

2. Landings By Major Fisheries:

The major fisheries in Sarawak are the trawl and drift/gillnet fisheries. However, in 1977 the push/scoop/liftnet fishery gained importance because of the abundance of jellyfish landed by this fishery. With the decline in jellyfish landings this year, this fishery declined to its original status as a minor fishery.

The trawl fishery accounted for 68% of total landings in 1978. Similar to Peninsular Malaysia, it is the main fishery here. Trawl landings in 1978 was 52,439 tonnes which when compared to last year, was a 15% increase. Whereas it only gained a 4% increase in 1977, this year's gain of 15% indicates the increasing importance of this fishery.

The drift/gillnet fishery, which accounted for 17% of total landings in 1978, retained its status as the second most important fishery. The landings by this fishery in 1978 was 13,139 tonnes which was a 14% decrease over 1977. However, whereas the decrease in 1977 was 27%, this year's decrease of 14% indicates an improvement in this fishery.

Besides the trawls and drift/gillnets, all other fisheries are minor fisheries which together accounted for 15% of total landings in 1978. With the exception of the push/scoop/liftnet fishery, all the other minor fisheries showed insignificant changes in 1978. The push/scoop/liftnet fishery, which in 1977 accounted for about 17% of total landings, accounted for only 2% of total landings this year. This was so because the main catch of this fishery in 1977 was jellyfish which appeared in great abundance. But with the decline in jellyfish landings in 1978, the landings of this fishery decreased from 13,720 tonnes in 1977 to 1,223 tonnes in 1978 and along with it the importance of this fishery also declined to its pre-1977 status.

3. Landings By Major Species:

The 1978 landings composed of 60,617 tonnes of fish, 14,930 tonnes of crustaceans, 874 tonnes of molluscs and 1,091 tonnes of jellyfish.

Similar to Peninsular Malaysia, the number of fish species in Sarawak is numerous. As such only the dominant species are highlighted here. With the exception of jellyfish, all the other dominant species showed an increase in 1978 as compared to last year.

The biggest group, quantity wise, was trashfish landed mainly by trawlers. Trashfish landings increased by 10% from 12,480 tonnes in 1977 to 13,761 tonnes in 1978. Compared to the

4% increase in 1977 this year's increase of 10% was mainly due to increased trawling activities in the region.

Unsorted and unidentified fishes are also an important by-catch of trawling. Though most other fisheries also land this group of fishes, the biggest quantity however is landed by the trawlers. Total landings of this group in 1978 was 9,966 tonnes which when compared to the 1977 landing of 10,473 tonnes indicates a drop of 5%.

The 1978 landings of prawns was 14,210 tonnes which when compared to 1977 was an increase by 50%. Though prawns are landed by a variety of gears, the bulk of prawns are landed by the trawlers. Whereas there was a decline of 8% in prawns landings in 1977, this year's increase of 50% augers well for the industry. This is because prawns, by their value, is an important source of sales revenue both domestically and export-wise.

Marine catfish and jewfish, both common trawl species, increased by 177% and 22% respectively in 1978 over 1977. Marine catfish landings in 1978 was 4,294 tonnes while jewfish landings was 3,513 tonnes.

Among the pelagic species, the most dominant species is the Spanish mackerel. Total Spanish mackerel landing in 1978 was 3,750 tonnes which is a 43% increase over last year.

The biggest decrease in 1978 was in jellyfish which dropped from 16,040 tonnes in 1977 to a mere 1,091 tonnes in 1978. Jellyfish is seasonal and 1977 was an exceptionally good year. The quantity of landings in 1978 is similar to the pre-1977 landings of jellyfish. The decline in jellyfish affected not only the push/scoop/liftnet operators but also the jellyfish processors who had invested in jellyfish processing centres in 1977. The decline in jellyfish also denied Sarawak fisheries a good source of foreign exchange as the bulk of the jellyfish processed was exported.

4. Imports And Exports Of Fishery Commodities:

Despite of having a small population and reasonable abundance of fish resources, Sarawak is still a net importer of fish, quantity-wise, in 1978. The total import of fish and fisheries products into Sarawak in 1978 was 2,022 tonnes valued at about \$5 million. Total exports for the same period was 1,819 tonnes valued at more than \$9 million. Thus, in value terms, Sarawak was a net exporter and this was mainly due to the high price of prawns which are mainly exported.

Generally, there was decline in the foreign fish trade this year, both in volume and in value, as compared to last year. Imports declined by about 60% quantity-wise and 58% value-wise; exports declined 41% quantity-wise and 155% value-wise.

SABAH

1. Landings in 1978.

During the last 10 years, Sabah's fish landings and cultures have been continuously increasing with the exception of 1976 when there was a slight decrease. The bulk of the landings is landed on the East Coast of Sabah facing the Sulu and Celebes Seas where the fisheries is more developed.

Total landings and cultures in 1978 were 41,600 tonnes which was a 15% increase over 1977. The value of this landing was \$107 million. Marine fish landings alone accounted for 40,100 tonnes valued at \$103 million while freshwater fish production amounted to 1,500 tonnes valued at \$4 million.

The rate of increase in 1978 was more or less similar to 1977 indicating a stable fishery with no exceptional developments in 1978.

2. Landings By Major Species:

The 1978 landings and cultures composed of 28,800 tonnes of marine fish, 9,000 tonnes of crustaceans, 1,600 tonnes of molluscs, 700 tonnes of other aquatic plants and animals and 1,500 tonnes of freshwater fish.

Among the dominant species groups which showed a significant increase in 1978 over 1977 were Mackerels, Bill fishes etc., Redfishes, Basses, Congers etc. and Crustaceans (mainly prawns).

Jacks and Mulletts were the only significant species group which showed a decline in 1978.

The 1978 landings of Mackerels, Bill fishes etc. showed a significant increase of 49% from 7,400 tonnes in 1977 to 11,000 tonnes in 1978. Their total 1978 value was \$24 million.

The total landings of Redfishes, Basses, Congers etc. in 1978 was 7,300 tonnes which when compared to the 1977 landings of 6,500 tonnes is an increase of 12%. The total value of this species group was \$14 million in 1978.

The bulk of the crustacean group is prawns which is the most important commercial marine landing in Sabah. The 1978 landings of 9,000 tonnes when compared to the 6,000 tonnes in 1977 is a 50% increase. The total value of crustaceans in 1978 was \$44 million.

The species group which had a significant decrease in 1978 were the Jacks and Mulletts. Their total landings decreased from 7,900 tonnes in 1977 to 5,700 tonnes in 1978 – a decrease of 28%. The total value of the 1978 landings was \$13 million.

3. Imports And Exports Of Fishery Commodities:

Total domestic consumption of fish in 1978 for Sabah was 42,994 tonnes. As domestic

production was only 41,600 tonnes, Sabah was a net importer, in quantity terms, in 1978. However this unfavourable balance of trade in quantity terms was offset by the high value of her exports whereby in value terms she had a surplus balance of trade of \$22.9 million.

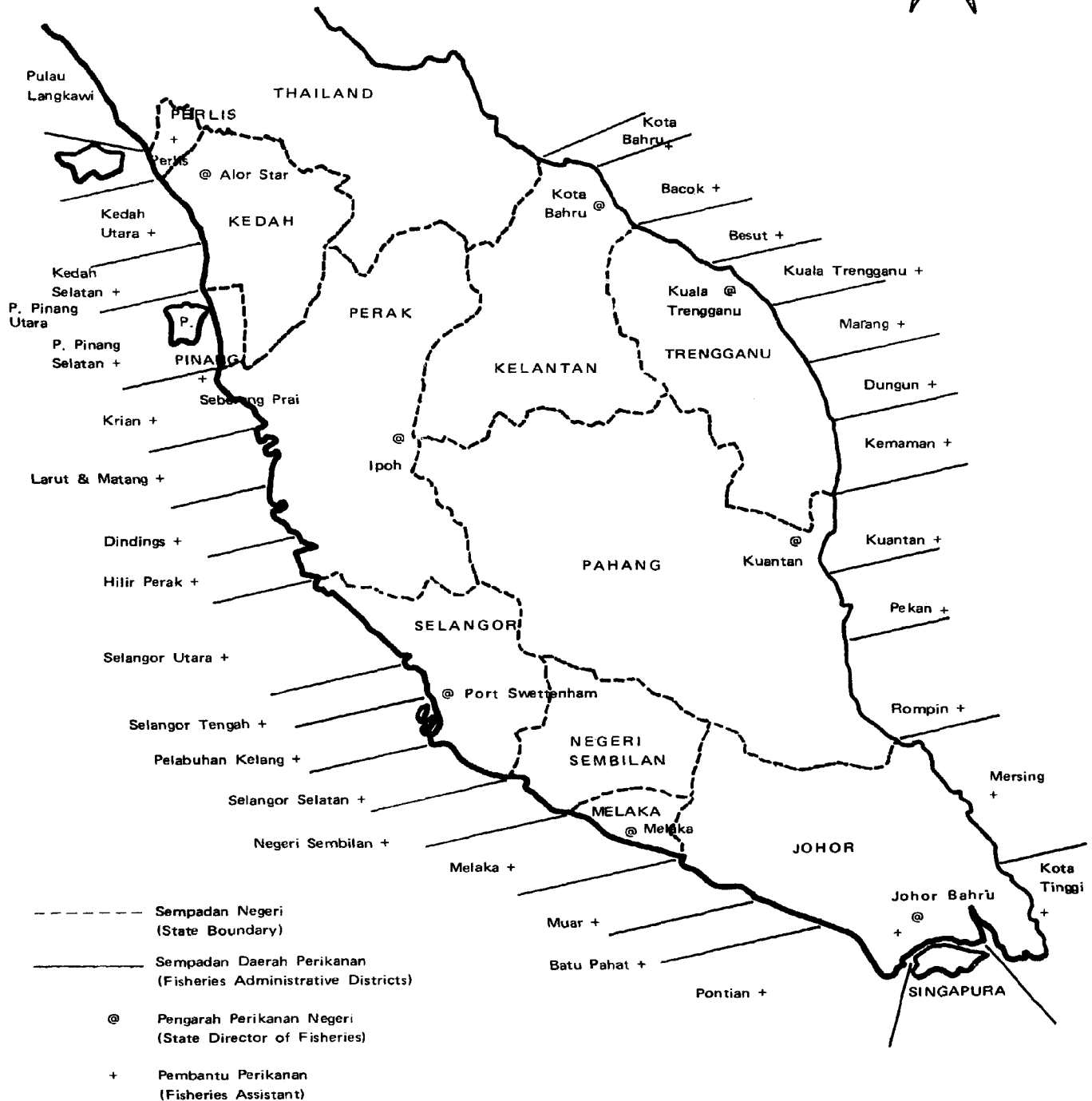
Total fisheries imports into Sabah in 1978 was 5,195 tonnes valued at \$11.8 million, while total fisheries exports from Sabah was 3,801 tonnes valued at \$34.7 million for the same period. Compared to 1977, imports in 1978 increased by 1,109 tonnes and by \$1.6 million. Exports on the other hand decreased by 1,925 tonnes and by \$1.6 million also.

Thus though there was no change in imports and exports in value terms, in terms of quantity, imports increased while exports decreased. Such a situation of increasing imports and decreasing exports indicates a rising domestic demand for fish.

The main imports in 1978 into Sabah were canned fish, canned crustaceans, canned molluscs and canned prawn paste. The total value of these products imported alone was worth \$9 million or 76% of total fisheries imports.

The main exports were fresh/frozen prawns (\$31.1 million), fresh/chilled prawns (\$0.74 million) and frozen marine fish (\$1.7 million). The total value of prawns exported alone was \$31.84 million or about 92% of total fisheries exports in 1978.

SEMENANJUNG MALAYSIA — DAERAH-DAERAH PERIKANAN
(Peninsular Malaysia — Fisheries Districts)



Perikanan Laut
SEMANANJUNG MALAYSIA

Marine Fisheries
Peninsular Malaysia

SEMANANJUNG MALAYSIA (PENINSULAR MALAYSIA)
BILANGAN NELAYAN-NELAYAN YANG BEKERJA DI-BOT-BOT BERLESEN -- 1978
(Number of Fishermen Working in Licensed Boats -- 1978)

Jadual (Table) 1.1

Negeri (State) Bangsa (Race)	Pantai Barat (West Coast)									Pantai Timur (East Coast)					Jumlah Besar Grand Total
	Perlis	Kedah	Pulau Pinang (Penang)	Perak	Selangor	Negeri Sembilan	Melaka (Malacca)	Johor Barat (West Johore)	Jumlah Kecil (Sub-Total)	Kelantan	Trengganu	Pahang	Johor Timur (East Johor)	Jumlah Kecil (Sub-Total)	
Melayu (Malay)	1,504	7,820	3,149	3,295	884	215	972	5,792	23,631	6,475	13,077	3,798	4,284	27,634	51,265
China (Chinese)	207	1,730	3,591	11,764	6,292	295	1,004	4,130	29,013	—	13	201	1,753	1,967	30,980
India (Indian)	—	—	43	225	100	14	—	1	383	—	—	—	2	2	385
Lain-Lain (Others)	692	56	—	—	—	—	64	252	1,064	—	—	—	—	—	1,064
JUMLAH (Total)	2,403	9,606	6,783	15,284	7,276	524	2,040	10,175	54,091	6,475	13,090	3,999	6,039	29,603	83,694

SEMENANJUNG MALAYSIA (PENINSULAR MALAYSIA)
BILANGAN BOT-BOT PERIKANAN YANG DILESENKAN – 1978
(Number of Fishing Boats Licensed – 1978)

Jadual (Table)
1.2

NEGERI (State) JENIS (Type)		JUMLAH (Total)	BOT TIADA BER JENTERA (Non- powered)	BOT BER JENTERA SANGKUT (Out-board powered)	BOT BERJENTERA DALAM (Inboard-Powered)								
					JUMLAH KECIL (Sub-Total)	0 – 4.9 TAN (Tons)	5 – 9.9 TAN (Tons)	10 – 14.9 TAN (Tons)	15 – 19.9 TAN (Tons)	20 – 24.9 TAN (Tons)	25 – 49.9 TAN (Tons)	50 – 99.9 TAN (Tons)	100 Tan & lebih (100 Tons & above)
PANTAI BARAT (West Coast)	PERLIS	594	138	106	350	55	95	74	26	11	87	2	—
	KEDAH	2,326	654	556	1,116	225	147	95	71	35	489	54	—
	PULAU PINANG (Penang)	2,483	676	691	1,116	469	350	27	29	10	224	7	—
	PERAK	5,654	706	231	4,717	2,174	1,489	532	102	33	371	16	—
	SELANGOR	3,394	363	196	2,835	567	1,481	318	115	57	285	12	—
	NEGERI SEMBILAN	196	51	42	103	29	72	2	—	—	—	—	—
	MELAKA (Malacca)	904	124	238	542	116	418	5	3	—	—	—	—
	JOHOR BARAT (West Johore)	4,149	1,634	984	1,531	745	652	85	30	9	10	—	—
JUMLAH KECIL (Sub-Total)		19,700	4,346	3,044	12,310	4,380	4,704	1,138	376	155	1,466	91	—
PANTAI TIMUR (East Coast)	KELANTAN	1,558	282	228	1,048	467	268	145	72	24	63	8	1
	TRENGGANU	3,352	695	8	2,649	473	1,109	668	203	74	117	5	—
	PAHANG	948	118	15	815	128	395	149	36	14	89	4	—
	JOHOR TIMUR (East Johore)	1,939	597	389	953	244	283	89	45	63	212	17	—
JUMLAH KECIL (Sub-Total)		7,797	1,692	640	5,465	1,312	2,055	1,051	356	175	481	34	1
JUMLAH BESAR (Grand Total)		27,497	6,038	3,684	17,775	5,692	6,759	2,189	732	330	1,947	125	1

SEMENANJUNG MALAYSIA (PENINSULAR MALAYSIA)
Bilangan Bot Berjentera Dalam yang Dilesenkan mengikut Negeri, Ukuran Panjang dan Kekuatan Kuda, 1978

(Number of Licensed Inboard Powered Fishing Boats by State, Dimension and Horse-power, 1978)

Jadual (Table) 1.3

Butir-Butir (Description)	Perlis	Kedah	P. Pinang (Penang)	Perak	Selangor	Negeri Sembilan	Melaka (Malacca)	Kelantan	Trengganu	Pahang	Johor		Jumlah (Total)
											Barat (West)	Timur (East)	
Ukuran Panjang (Dimension-Length)													
Kurang dari 25 kaki (under 25 ft.)	6	7	36	201	17	3	17	279	188	28	120	79	981
25 – 39 Kaki (25 – 39 ft.)	200	407	772	3,947	2,157	84	405	556	1,711	573	1,157	458	12,427
40 – 54 (40 – 54 ft.)	73	354	207	498	646	16	120	177	687	196	250	293	3,517
55 kaki dan lebih (55 ft. & over)	71	348	101	71	15	—	—	36	63	18	4	123	850
JUMLAH (Total)	350	1,116	1,116	4,717	2,835	103	542	1,048	2,649	815	1,531	953	17,775
Kekuatan Kuda (Horse power of Engine)													
Kurang dari 5 kk (Under 5 h.p.)	14	39	18	105	63	8	35	325	228	26	258	96	1,215
5 – 9 kk (5–9 h.p.)	55	161	255	702	421	47	309	288	691	166	470	203	3,768
10 – 19 kk (10-19 h.p.)	17	70	56	459	601	33	172	150	688	250	426	191	3,113
20 – 39 (20 – 39 h.p.)	150	165	523	2,969	1,124	15	24	196	792	230	250	107	6,545
40 – 59 kk (40 – 59 h.p.)	14	25	7	—	175	—	1	40	105	24	101	8	500
60 – 79 kk (60 – 79 h.p.)	8	27	8	15	47	—	1	19	49	10	8	25	217
80 - 99 kk (80 - 99 h.p.)	15	6	9	9	35	—	—	1	7	16	2	21	121
100 kk dan lebih (100 h.p. & over)	77	623	240	458	369	—	—	29	89	93	16	302	2,296
JUMLAH (Total)	350	1,116	1,116	4,717	2,835	103	542	1,048	2,649	815	1,531	953	17,775

SEMENANJUNG MALAYSIA (PENINSULAR MALAYSIA)

Bilangan Bot Berjentera Sangkut yang Dilesenkan mengikut Negeri, Ukuran Panjang dan Kekuatan Kuda – 1978
(Number of Licensed Outboard Powered Fishing Boats by State, Dimension and Horse-power – 1978)

Jadual (Table)

1.4

Butir-Butir (Description)	Perlis	Kedah	P. Pinang (Penang)	Perak	Selangor	Negeri Sembilan	Melaka (Malacca)	Kelantan	Trengganu	Pahang	JOHOR		JUMLAH
											Barat (West)	Timur (East)	
Ukuran Panjang (Dimension-Length)													
Kurang dari 25 kaki (under 25ft)	105	513	685	225	196	40	236	43	6	13	958	367	3,387
25 - 39 kaki (25 - 39 ft)	1	43	6	6	—	2	2	184	2	2	26	22	296
40 - 54 kaki (40 - 54 ft)	—	—	—	—	—	—	—	1	—	—	—	—	1
55 kaki dan lebih (55ft & Over)	—	—	—	—	—	—	—	—	—	—	—	—	—
Jumlah (Total)	106	556	691	231	196	42	238	228	8	15	984	389	3,684
Kekuatan Kuda (Horse-power of Engine)													
Kurang dari 5 kk (under 5 h.p)	106	511	668	211	148	38	204	5	2	7	742	270	2,912
5 - 9 k.k. (5- 9 h.p.)	—	44	20	19	47	4	33	48	6	8	134	101	464
10 - 19 k.k. (10- 19 h.p.)	—	1	2	1	1	—	1	162	—	—	59	11	238
20- 39 k.k. (20- 39 h.p.)	—	—	—	—	—	—	—	13	—	—	44	7	64
40 - 59 k.k. (40 - 59 h.p.)	—	—	1	—	—	—	—	—	—	—	5	—	6
60-79 k.k. (60-79 h.p.)	—	—	—	—	—	—	—	—	—	—	—	—	—
80-99 k.k. (80-99 h.p.)	—	—	—	—	—	—	—	—	—	—	—	—	—
100 k.k. dan lebih (100 h.p. & Over)	—	—	—	—	—	—	—	—	—	—	—	—	—
Jumlah (Total)	106	556	691	231	196	42	238	228	8	15	984	389	3,684

SEMENANJUNG MALAYSIA (PENINSULAR MALAYSIA)
BILANGAN BOT TIADA BERJENTERA YANG DILESENKAN MENGIKUT NEGERI DAN UKURAN PANJANG 1978
 (Number of Licensed Non-Powered Fishing Boats by State and Dimension, 1978)

Jadual (Table) 1.5

Butir-Butir (Description)	Perlis	Kedah	P.Pinang	Perak	Selangor	Negeri (Sembilan)	Melaka (Malacca)	Kelantan	Trengganu	Pahang	Johor		Jumlah (Total)
											Barat (West)	Timur (East)	
Ukuran panjang (Dimension-Length) Kurang dari 25 kaki (under 25 ft.)	133	612	672	701	282	51	122	227	572	79	1,624	556	5,631
25 – 39 kaki (25 – 39 ft.)	5	37	4	5	25	—	2	53	122	38	10	41	342
40 – 54 kaki (40 – 54 ft.)	—	5	—	—	55	—	—	2	1	1	—	—	64
55 kaki & Lebih (55 ft. & over)	—	—	—	—	1	—	—	—	—	—	—	—	1
JUMLAH (Total)	138	654	676	706	363	51	124	282	695	118	1,634	597	6,038

SEMENANJUNG MALAYSIA (PENINSULAR MALAYSIA)

BILANGAN BOT-BOT YANG DILESENKAN DAN NELAYAN-NELAYAN MENGIKUT DAERAH-DAERAH PERIKANAN-1978
(Number of Licensed Fishing Boats and Fishermen by Fisheries Districts - 1978)

Jadual (Table) 1.6

Daerah-Daerah Perikanan (Fisheries Districts)	Bot - Bot (Fishing Boats)				Nelayan-Nelayan (Fishermen)				
	Injin Dalam (Inboard)	Injin Sangkut (Outboard)	Tiada Berjentera (Non-Powered)	Jumlah (Total)	Melayu (Malay)	Cina (Chinese)	India (Indian)	Lain-lain (Others)	Jumlah (Total)
1. Kuala Perlis	350	106	138	594	1,504	207	—	692	2,403
2. Langkawi	159	238	96	493	1,747	104	—	10	1,861
3. Kedah Utara	682	103	150	935	2,957	1,243	—	—	4,200
4. Kedah Selatan	275	215	408	898	3,116	383	—	46	3,545
5. Timur Laut	125	91	87	303	285	511	17	—	813
6. Barat Daya	393	469	136	998	1,082	1,671	22	—	2,775
7. Seberang Prai	598	131	453	1,182	1,782	1,409	4	—	3,195
8. Krian	1,390	55	206	1,651	595	3,676	—	—	4,271
9. Larut & Matang	1,319	113	158	1,590	392	2,775	—	—	3,167
10. Dindings	1,261	58	171	1,490	1,934	3,131	225	—	5,290
11. Hilir Perak	747	5	171	923	374	2,182	—	—	2,556
12. Selangor Utara	670	80	79	829	221	1,718	—	—	1,939
13. Selangor Tengah	673	42	87	802	294	1,459	—	—	1,753
14. Pelabuhan Kelang	1,134	43	159	1,336	281	2,405	37	—	2,723
15. Selangor Selatan	358	31	38	427	88	710	63	—	861
16. Port Dickson	103	42	51	196	215	295	14	—	524
17. Melaka	542	238	124	904	972	1,004	—	64	2,040
18. Muar	305	225	261	791	783	832	1	—	1,616
19. Batu Pahat	526	143	274	943	703	1,070	252	—	2,025
20. Pontian	661	112	459	1,232	1,380	1,691	—	—	3,071
21. Johor Bahru	39	504	640	1,183	2,926	537	—	—	3,463
22. Kota Tinggi	394	331	521	1,246	1,930	1,009	2	—	2,941
23. Mersing	559	58	76	693	2,354	744	—	—	3,098
24. Kuantan	399	5	49	453	1,946	128	—	—	2,074
25. Pekan	302	5	55	362	1,465	12	—	—	1,477
26. K. Rompin	114	5	14	133	387	61	—	—	448
27. Kemaman	491	5	97	593	2,648	11	—	—	2,659
28. Dungun	419	—	30	449	1,441	—	—	—	1,441
29. Marang	318	—	87	405	1,600	—	—	—	1,600
30. K. Trengganu	944	3	225	1,172	4,278	2	—	—	4,280
31. Besut	477	—	256	733	3,110	—	—	—	3,110
32. Kota Bharu	789	176	82	1,047	4,665	—	—	—	4,665
33. Bachok	259	52	200	511	1,810	—	—	—	1,810
Jumlah: (Total)	17,775	3,684	6,038	27,497	51,265	30,980	637	812	83,694

SEMENANJUNG MALAYSIA (PENINSULAR MALAYSIA)
Bilangan Bot-Bot Yang Dilesenkan dan Bilangan Nelayan-Nelayan Yang Bekerja
di Bot-Bot Berlesen, 1961 - 1978
(Number of Fishing Boats Licensed And Number of Fishermen
Operating Licensed Boats, 1961 -1978)

Jadul (Table) 1.7

Tahun (Year)	Bilangan Bot-Bot Yang Dilesenkan (Number of Fishing Boats Licensed)				Bilangan Nelayan-Nelayan (Number of Fishermen)				
	Injin Dalam (Inboard)	Injin Sangkut (Outboard)	Tidak Ber- jentera (Non- Powered)	Jumlah (Total)	Melayu (Malay)	Cina (Chinese)	India (Indian)	Lain-Lain (others)	Jumlah (Total)
1961	4,824	4,841	13,293	22,958	33,924	18,780	269	110	53,083
1962	5,468	4,377	12,338	22,183	35,750	19,246	421	93	55,510
1963	6,426	4,057	12,271	22,754	36,199	22,874	252	124	59,449
1964	6,983	3,744	10,903	21,630	37,075	23,732	217	441	61,465
1965	8,374	3,908	10,182	22,464	40,548	27,155	153	332	68,188
1966	9,298	3,237	8,371	20,906	36,508	25,252	215	482	62,457
1967	10,145	2,887	7,204	20,236	34,833	26,402	212	706	62,153
1968	10,629	2,531	6,293	19,453	34,414	26,398	195	494	61,501
1969	11,399	2,177	5,608	19,184	34,845	28,258	160	351	63,614
1970	12,865	2,164	5,277	20,306	36,472	31,078	253	351	68,154
1971	14,284	2,036	4,821	21,141	36,295	31,096	256	314	67,961
1972	14,945	2,009	4,665	21,619	38,589	29,892	310	461	69,252
1973	15,596	2,004	4,567	22,167	38,048	29,192	342	726	68,308
1974	16,205	2,100	4,072	22,377	38,973	30,619	424	789	70,805
1975	16,081	2,138	3,928	22,147	40,335	31,992	452	525	73,304
1976	16,142	2,342	4,151	22,635	41,997	30,479	450	610	73,536
1977	16,977	2,775	4,329	24,081	44,373	30,131	541	600	75,645
1978	17,775	3,684	6,038	27,497	51,265	30,980	637	812	83,694

SEMENANJUNG MALAYSIA (PENINSULAR MALAYSIA)
BILANGAN PERKAKAS YANG DILESENKAN MENGIKUT NEGERI -- 1978
(Number of Licensed Fishing Gears by State - 1978)

Jadual (Table)
1.8

KUMPULAN PERKAKAS (Gear Group) NEGERI (State)		PUKAT TUNDA (Trawl Nets)	PUKAT TARIK (Seine Nets)			PUKAT HANYUT (Drift/Gill Nets)	PUKAT TANGGUK (Lift Nets)	PERANGKAP (Traps)		PANCING (Hook & Lines)	PUKAT BAKUL (Bag Nets)	PUKAT RENTANG (Barrier Nets)	PUKAT SURUNG (Push Nets)	MEMUNGUT SIPUT (Shellfish Collections)	RAMPAIAN (Miscellaneous)	JUMLAH (Total)
			PUKAT JERUT IKAN (Purse Seines Fish)	PUKAT JERUT BILIS (Purse Seines Anchovy)	LAIN LAIN (Other Seines)			BELAT BELAT (Stakes)	BUBU (Portable)							
PANTAI BARAT (WEST COAST)	PERLIS	216	80	1	11	277	2	3	1	2	-	-	-	-	-	593
	KEDAH	491	91	99	75	1,279	63	25	20	12	101	31	-	3	1	2,291
	PULAU PINANG (PENANG)	194	55	-	283	1,387	-	9	32	60	364	3	-	109	22	2,518
	PERAK	1,653	191	19	965	2,171	-	8	88	336	226	-	1	1,131	168	6,957
	SELANGOR	457	17	-	3	2,426	-	-	2	243	607	42	12	14	18	3,841
	NEGERI SEMBILAN	-	-	-	13	173	-	-	15	37	-	-	-	-	1	239
	MELAKA (MALACCA)	-	-	-	19	986	-	7	1	71	-	5	-	7	-	1,096
	JOHOR BARAT (West Johore)	310	-	-	82	2,313	7	193	84	160	228	71	-	-	-	3,448
JUMLAH KECIL (Sub Total)		3,321	434	119	1,451	11,012	72	245	243	921	1,526	152	13	1,264	210	20,983
PANTAI TIMUR (EAST COAST)	KELANTAN	161	35	9	69	522	34	-	21	-	-	-	-	-	-	851
	TRENGGANU	391	120	130	70	507	77	-	201	-	-	-	-	-	-	1,496
	PAHANG	316	44	18	9	241	24	11	162	250	2	-	-	-	-	1,077
	JOHOR TIMUR (East Johore)	315	87	-	20	512	82	74	100	43	256	28	-	-	-	1,517
	JUMLAH KECIL (Sub-Total)	1,183	286	157	168	1,782	217	85	484	293	258	28	-	-	-	4,941
JUMLAH BESAR (Grand Total)		4,504	720	276	1,619	12,794	289	330	727	1,214	1,784	180	13	1,264	210	25,924

SEMENANJUNG MALAYSIA (PENINSULAR MALAYSIA)
ANGGARAN PERKAKAS-PERKAKAS MENANGKAP IKAN YANG DIUSAHAKAN MENGIKUT NEGERI – 1978
 (Estimated Number of Fishing Gears in Operation by State – 1978)

Jadual (Table)
1.9

NEGERI (State)	KUMPULAN PERKAKAS (Gear Group)	PUKAT TUNDA (Trawl Nets)	PUKAT TARIK (Seine Nets)			PUKAT HANYUT (Drift/ Gill Nets)	PUKAT TANGGUK (Lift Nets)	PERANGKAP (Traps)		PANCING (Hook & Lines)	PUKAT BAKUL (Bag Nets)	PUKAT RENTANG (Barrier Nets)	PUKAT SURUNG (Push Nets)	MEMUNGUT SIPUT (Shell- fish Collections)	RAMPAIAN (Miscel- laneous)	JUMLAH (Total)
			PUKAT JERUT IKAN (Purse Seines Fish)	PUKAT JERUT BILIS (Purse Seines Anchovy)	LAIN- LAIN (Other Seines)			BELAT- BELAT (Stakes)	BUBU (Port- able)							
PANTAI BARAT (West Coast)	PERLIS	193	43	—	12	98	2	—	—	24	—	—	—	—	18	390
	KEDAH	535	22	61	73	711	16	24	5	155	101	34	58	2	13	1,810
	PULAU PINANG (Penang)	112	41	—	178	1,005	2	1	15	48	140	—	82	90	25	1,739
	PERAK	1,819	70	18	697	1,131	—	21	14	117	104	1	22	232	102	4,348
	SELANGOR	1,517	19	—	32	1,276	19	—	—	238	239	26	—	36	37	3,439
	NEGERI SEMBILAN	—	—	—	13	112	—	—	6	32	—	—	—	—	—	163
	MELAKA (Malacca)	—	—	—	17	658	—	6	—	70	—	5	30	1	8	795
	JOHOR BARAT (West Johore)	287	—	—	98	1,977	1	165	40	159	79	38	71	40	—	2,955
JUMLAH KECIL (Sub-Total)		4,463	195	79	1,120	6,968	40	217	80	843	663	104	263	401	203	15,639
PANTAI TIMOR (East Coast)	KELANTAN	84	24	3	13	248	32	—	13	291	—	—	7	—	14	729
	TRENGGANU	396	73	75	23	311	60	—	139	859	—	—	—	—	106	2,042
	PAHANG	220	37	9	4	77	22	5	114	185	1	—	—	—	—	674
	JOHOR TIMUR (East Johore)	229	44	—	7	264	55	97	67	130	298	—	2	—	38	1,231
JUMLAH KECIL (Sub-Total)		929	178	87	47	900	169	102	333	1,465	299	—	9	—	158	4,676
JUMLAH BESAR (Grand Total)		5,392	373	166	1,167	7,868	209	319	413	2,308	962	104	272	401	361	20,315

BILANGAN PERKAKAS YANG DILESENKAN MENGIKUT DAERAH PERIKANAN – 1978
(Number of Licensed Fishing Gears by Fisheries Districts – 1978)

Jadual (Table)
1.10

DAERAH PERIKANAN (Fisheries District)	PUKAT TUNDA (Trawl Nets)	PUKAT TARIK (Seines Nets)			PUKAT HANYUT (Drift Gill Nets)	PUKAT TANGKUK (Lift Nets)	PERANGKAP PERANGKAP (Traps)		PANCING (Hook & Lines)	PUKAT BAKUL (Bag Nets)	PUKAT RENTANG (Barrier Nets)	PUKAT SURUNG (Push Nets)	MEMUNGUT SIPUT (Shellfish collections)	RAMPAIAN (Miscellaneous)	JUMLAH (Total)
		PUKAT JERUT IKAN (Purse Seine Fish)	PUKAT JERUT BILIS (Purse Seine Anchovy)	LAIN-LAIN (Other Seines)			BELAT-BELAT (Stakes)	BUBU (Portable)							
1. Kuala Perlis	216	80	1	11	277	2	3	1	2	-	-	-	-	-	593
2. Langkawi	38	3	33	6	329	42	-	4	4	-	-	-	-	-	459
3. Kedah Utara	324	79	-	26	325	17	20	1	4	-	3	-	3	-	802
4. Kedah Selatan	129	9	66	43	625	4	5	15	4	101	28	-	-	1	1,030
5. Barat Daya	148	21	-	10	542	-	-	5	15	285	-	-	95	-	1,121
6. Timur Laut	46	-	-	9	181	-	-	5	18	17	-	-	-	-	276
7. Seberang Prai	-	34	-	264	664	-	9	22	27	62	3	-	14	22	1,121
8. Krian	-	30	-	900	749	-	-	5	21	179	-	1	170	11	2,066
9. Larut & Matang	649	-	-	17	709	-	-	8	53	47	-	-	258	74	1,815
10. Dindings	679	96	19	42	409	-	-	35	173	-	-	-	396	6	1,855
11. Hilir Perak	325	65	-	6	304	-	8	40	89	-	-	-	307	77	1,221
12. Selangor Utara	161	17	-	-	616	-	-	1	14	26	8	-	-	-	843
13. Selangor Tengah	49	-	-	2	525	-	-	-	89	164	21	-	14	-	864
14. Pelabuhan Kelang	235	-	-	-	835	-	-	-	86	417	9	12	-	18	1,612
15. Selangor Selatan	12	-	-	1	450	-	-	1	54	-	4	-	-	-	522
16. Port Dickson	-	-	-	13	173	-	-	15	37	-	-	-	-	1	239
17. Melaka	-	-	-	19	986	-	7	1	71	-	5	-	7	-	1,096
18. Muar	-	-	-	10	646	-	90	15	71	6	43	-	-	-	881
19. Batu Pahat	65	-	-	40	781	-	16	9	60	92	19	-	-	-	1,082
20. Pontian	245	-	-	10	540	-	8	5	16	130	6	-	-	-	960
21. Johor Bahru	-	-	-	22	346	7	79	55	13	-	3	-	-	-	525
22. Kota Tinggi	49	36	-	10	324	53	50	44	20	256	25	-	-	-	867
23. Mersing	266	51	-	10	188	29	24	56	23	-	3	-	-	-	650
24. Kuantan	136	23	14	3	39	16	2	98	183	-	-	-	-	-	514
25. Pekan	111	12	1	5	147	7	-	55	59	-	-	-	-	-	397
26. K. Rompin	69	9	3	1	55	1	9	9	8	2	-	-	-	-	166
27. Kemaman	49	13	30	8	34	24	-	94	-	-	-	-	-	-	252
28. Dungun	60	16	24	6	123	8	-	29	-	-	-	-	-	-	266
29. Marang	39	15	23	3	85	9	-	6	-	-	-	-	-	-	180
30. Kuala Trengganu	200	35	25	8	122	16	-	42	-	-	-	-	-	-	448
31. Besut	43	41	28	45	143	20	-	30	-	-	-	-	-	-	350
32. Kota Bahru	152	26	9	58	247	21	-	14	-	-	-	-	-	-	527
33. Bacok	9	9	-	11	275	13	-	7	-	-	-	-	-	-	324
JUMLAH (TOTAL)	4,504	720	276	1,619	12,794	289	330	727	1,214	1,784	180	13	1,264	210	25,924

SEMENANJUNG MALAYSIA (PENINSULAR MALAYSIA)
 BILANGAN BOT-BOT YANG DILESENKAN MENGIKUT KUMPULAN PERKAKAS, JENIS DAN MUATAN, 1978
 (Number of Licensed Fishing Boats by Gear Group, Type and Tonnage, 1978)

Jadual (Table) 1.12

Jenis Perkakas (Type of fishing gear)	Jumlah (Total)	Bot Tiada Berjentera (Non- powered)	Bot Berjin Sangkut (Out-board powered)	Bot Berjentera Dalam (Inboard powered)									Lebih 100Tan (100 tons & above)
				Jumlah Kecil (Sub-Total)	0 – 4.9 Tan(Tons)	5 – 9.9 Tan (Tons)	10 – 14.9 Tan (Tons)	15 – 19.9 Tan (Tons)	20 – 24.9 Tan (Tons)	25 – 49.9 Tan (Tons)	50 – 99.9 Tan (Tons)		
Pukat Tunda (Trawl Nets)	4,138	—	—	4,138	295	1,440	832	231	113	1,192	35	—	
P. Tarik (Seine Nets)													
Pukat Jerut Ikan (P. Seine-Fish)	739	22	—	717	6	40	53	58	73	467	19	1	
Pukat Jerut Bilis (P. Seine-Anchovy)	497	106	6	385	23	72	81	43	15	133	18	—	
Lain-Lain (Other Seines)	1,452	304	176	972	751	214	4	3	—	—	—	—	
Pukat Hanyut (Gill/drift Nets)	11,532	2,361	2,054	7,117	2,953	3,502	460	130	52	20	—	—	
Pukat Tangguk (Lift Nets)	730	272	95	363	48	191	59	24	10	31	—	—	
Perangkap (Traps)													
Belat-Belat (Stakes)	253	38	69	146	119	18	4	3	1	1	—	—	
Bubu (Portable)	547	39	32	476	58	142	112	70	36	53	5	—	
Pancing (Hook & Lines)	5,706	2,193	851	2,662	831	1,047	571	159	26	23	5	—	
Pukat Bakul (Bag Nets)	686	140	199	347	295	41	5	3	2	1	—	—	
Pukat Surung (Push/Scoop Nets)	194	137	37	20	20	—	—	—	—	—	—	—	
Pukat Rentang (Barrier Nets)	180	100	52	28	11	16	1	—	—	—	—	—	
Memungut Siput (Shellfish)	301	50	21	230	212	16	1	1	—	—	—	—	
Rampaijan (Miscellaneous)	438	245	80	113	52	10	2	3	—	16	30	—	
Pembawa Ikan (Fish Carriers)	104	31	12	61	18	10	4	4	2	10	13	—	
JUMLAH (Total)	27,497	6,038	3,684	17,775	5,692	6,759	2,189	732	330	1,947	125	1	

PERLIS

BILANGAN BOT-BOT YANG DILESENKAN MENGIKUT KUMPULAN PERKAKAS, JENIS DAN MUATAN, 1978

(Number of Licensed Fishing Boats by Gear Group, Type and Tonnage, 1978)

Jadual (Table) 1.13 (a)

Jenis Perkakas (Type of fishing gear)	Jumlah (Total)	Bot Tiada Berjentera (Non- powered)	Bot Berjin Sangkut (Out-board powered)	Bot Berjentera Dalam (Inboard powered)									Lebih 100Tan (100 tons & above)
				Jumlah Kecil (Sub-Total)	0 - 4.9 Tan(Tons)	5 - 9.9 Tan (Tons)	10 - 14.9 Tan (Tons)	15 - 19.9 Tan (Tons)	20 - 24.9 Tan (Tons)	25 - 49.9 Tan (Tons)	50 - 99.9 Tan (Tons)		
Pukat Tunda (Trawl Nets)	166	—	—	166	10	76	64	11	1	4	—	—	
P. Tarik (Seine Nets)	Pukat Jerut Ikan (P. Seine-Fish)	95	—	—	95	—	1	1	5	6	80	2	—
	Pukat Jerut Bilis (P. Seine-Anchovy)	2	—	—	2	—	—	—	—	2	—	—	
	Lain-Lain (Other Seines)	9	5	4	—	—	—	—	—	—	—	—	
	Pukat Hanyut (Gill/drift Nets)	223	68	95	60	36	12	3	7	1	1	—	—
Pukat Tangguk (Lift Nets)	—	—	—	—	—	—	—	—	—	—	—	—	
Perangkap (Traps)	Belat-Belat (Stakes)	3	—	—	3	1	2	—	—	—	—	—	—
	Bubu (Portable)	1	—	—	1	—	—	—	—	1	—	—	—
Pancing (Hook & Lines)	71	43	5	23	8	4	6	3	2	—	—	—	
Pukat Bakul (Bag Nets)	—	—	—	—	—	—	—	—	—	—	—	—	
Pukat Surung (Push/Scoop Nets)	2	2	—	—	—	—	—	—	—	—	—	—	
Pukat Rentang (Barrier Nets)	—	—	—	—	—	—	—	—	—	—	—	—	
Memungut Siput (Shellfish)	—	—	—	—	—	—	—	—	—	—	—	—	
Rampaian (Miscellaneous)	22	20	2	—	—	—	—	—	—	—	—	—	
Pembawa Ikan (Fish Carriers)	—	—	—	—	—	—	—	—	—	—	—	—	
JUMLAH (Toatl)	594	138	106	350	55	95	74	26	11	87	2	—	

KEDAH
BILANGAN BOT-BOT YANG DILESENKAN MENGIKUT KUMPULAN PERKAKAS, JENIS DAN MUATAN, 1978
(Number of Licensed Fishing Boats by Gear Group, Type and Tonnage, 1978)

Jadual (Table) 1.13 (b)

Jenis Perkakas (Type of fishing gear)	Jumlah (Total)	Bot Tiada Berjentera (Non- powered)	Bot Berinjin Sangkut (Out-board powered)	Bot Berjentera Dalam (Inboard powered)								
				Jumlah Kecil (Sub-Total)	0 - 4.9 Tan(Tons)	5 - 9.9 Tan (Tons)	10 - 14.9 Tan (Tons)	15 - 19.9 Tan (Tons)	20 - 24.9 Tan (Tons)	25 - 49.9 Tan (Tons)	50 - 99.9 Tan (Tons)	Lebih 100 Tan (100 tons & above)
Pukat Tunda (Trawl Nets)	461	—	—	461	7	46	49	39	13	303	4	—
P. Tarik (Seine Nets)												
Pukat Jerut Ikan (P. Seine - Fish)	94	10	—	84	—	—	3	5	6	68	2	—
Pukat Jerut Bilis (P. Seine Anchovy)	127	—	—	127	—	—	—	7	5	97	18	—
Lain-Lain (Other (Seines))	76	34	34	8	8	—	—	—	—	—	—	—
Pukat Hanyut (Gill/drift nets)	1,063	345	392	326	171	85	39	17	11	3	—	—
Pukat Tangguk (Lift Nets)	—	—	—	—	—	—	—	—	—	—	—	—
Perangkap (Traps)												
Belat-Belat (Stakes)	25	6	5	14	8	5	1	—	—	—	—	—
Bubu (Portable)	9	2	2	5	—	1	1	1	—	1	1	—
Pancing (Hook & Lines)	335	203	91	41	28	10	2	1	—	—	—	—
Pukat Bakul (Bag Nets)	48	37	11	—	—	—	—	—	—	—	—	—
Pukat Surung (Push/Scoop Nets)	7	6	1	—	—	—	—	—	—	—	—	—
Pukat Rentang (Barrier Nets)	27	8	19	—	—	—	—	—	—	—	—	—
Memungut Siput (Shellfish)	4	1	—	3	3	—	—	—	—	—	—	—
Rampaian (Miscellaneous)	49	2	1	46	—	—	—	1	—	16	29	—
Pembawa Ikan (Fish Carriers)	1	—	—	1	—	—	—	—	—	1	—	—
JUMLAH (Total)	2,326	654	556	1,116	225	147	95	71	35	489	54	—

PULAU PINANG (PENANG)

BILANGAN BOT-BOT YANG DILESENKAN MENGIKUT KUMPULAN PERKAKAS, JENIS DAN MUATAN, 1978
(Number of Licensed Fishing Boats by Gear Group, Type and Tonnage, 1978)

Jadual (Table) 1.13 (c)

Jenis Perkakas (Type of fishing gear)	Jumlah (Total)	Bot Tiada Berjentera (Non- powered)	Bot Berjin Sangkut (Out-board powered)	Bot Berjentera Dalam (Inboard powered)								
				Jumlah Kecil (Sub-Total)	0 - 4.9 Tan(Tons)	5 - 9.9 Tan (Tons)	10 - 14.9 Tan (Tons)	15 - 19.9 Tan (Tons)	20 - 24.9 Tan (Tons)	25 - 49.9 Tan (Tons)	50 - 99.9 Tan (Tons)	Lebih 100Tan (100 tons & above)
Pukat Tunda (Trawl Nets)	196	—	—	196	—	—	—	—	1	190	5	—
P. Tarik (Seine Nets)	Pukat Jerut Ikan (P. Seine - Fish)	58	—	58	—	—	9	9	5	34	1	—
	Pukat Jerut Bilis (P. Seine Anchovy)	—	—	—	—	—	—	—	—	—	—	—
	Lain-Lain (Other Seines)	262	49	6	207	131	75	1	—	—	—	—
Pukat Hanyut (Gill/drift nets)	1,324	378	417	529	258	256	11	4	—	—	—	—
Pukat Tangguk (Lift Nets)	23	1	1	21	14	6	1	—	—	—	—	—
Perangkap (Traps)	Belat-Belat (Stakes)	6	6	—	—	—	—	—	—	—	—	—
	Bubu (Portable)	32	8	1	23	—	2	3	13	4	—	1
Pancing (Hook & Lines)	222	109	100	13	4	7	—	2	—	—	—	—
Pukat Bakul (Bag Nets)	192	7	129	56	56	—	—	—	—	—	—	—
Pukat Surung (Push/Scoop Nets)	67	54	13	—	—	—	—	—	—	—	—	—
Pukat Rentang (Barrier Nets)	—	—	—	—	—	—	—	—	—	—	—	—
Memungut Siput (Shellfish)	22	11	7	4	4	—	—	—	—	—	—	—
Rampaian (Miscellaneous)	70	52	17	1	1	—	—	—	—	—	—	—
Pembawa Ikan (Fish Carriers)	9	1	—	8	1	4	2	1	—	—	—	—
JUMLAH (Total)	2,483	676	691	1,116	469	350	27	29	10	224	7	—

BILANGAN BOT BOT YANG DILESENKAN MENGIKUT KUMPULAN PERKAKAS, JENIS DAN MUATAN, 1978

(Number of Licensed Fishing Boats by Gear Group, Type and Tonnage, 1978)

Jadual (Table) 1.13 (d)

Jenis Perkakas (Type of fishing gear)	Jumlah (Total)	Bot Tiada Berjentera (Non- powered)	Bot Berjin Sangkut (Out-board powered)	Bot Berjentera Dalam (Inboard powered)								
				Jumlah Kecil (Sub-Total)	0 - 4.9 Tan(Tons)	5 - 9.9 Tan (Tons)	10 - 14.9 Tan (Tons)	15 - 19.9 Tan (Tons)	20 - 24.9 Tan (Tons)	25 - 49.9 Tan (Tons)	50 - 99.9 Tan (Tons)	Lebih 100Tan (100 tons & above)
Pukat Tunda (Trawl Nets)	1,660	—	—	1,660	222	777	393	46	20	201	1	—
P. Tarik (Seines Nets)	Pukat Jerut Ikan (P. Seine - Fish)	169	—	169	2	15	8	11	6	125	2	—
	Pukat Jerut Bilis (P. Seine Anchovy)	19	—	19	—	—	—	—	—	19	—	—
	Lain-lain (Other Seines)	822	101	695	597	97	—	1	—	—	—	—
	Pukat Hanyut (Gill/drift nets)	1,827	233	1,475	910	503	51	10	—	1	—	—
Pukat Tangguk (Lift Nets)	—	—	—	—	—	—	—	—	—	—	—	—
Perangkap (Traps)	Belat-Belat (Stakes)	94	—	93	86	2	—	3	1	1	—	—
	Bubu (Portable)	89	13	76	9	16	21	6	6	18	—	—
Pancing (Hook & Lines)	534	237	35	262	111	69	57	24	—	1	—	—
Pukat Bakul (Bag Nets)	14	3	11	—	—	—	—	—	—	—	—	—
Pukat Surung (Push/Scoop Nets)	30	5	5	20	20	—	—	—	—	—	—	—
Pukat Rentang (Barrier Nets)	—	—	—	—	—	—	—	—	—	—	—	—
Memungut Siput (Shellfish)	245	32	12	201	194	7	—	—	—	—	—	—
Rampaian (Miscellaneous)	127	81	22	24	19	2	2	1	—	—	—	—
Pembawa Ikan (Fish Carriers)	24	1	—	23	4	1	—	—	—	5	13	—
JUMLAH (Total)	5,654	706	231	4,717	2,174	1,489	532	102	33	371	16	—

SELANGOR

BILANGAN BOT-BOT YANG DILESENKAN MENGIKUT KUMPULAN PERKAKAS, JENIS DAN MUATAN, 1978
(Number of Licensed Fishing Boats by Gear Group, Type and Tonnage, 1978)

Jadual (Table) 1.13 (e)

Jenis Perkakas (Type of fishing gear)	Jumlah (Total)	Bot Tiada Berjentera (Non- powered)	Bot Berinjin Sangkut (Out-board powered)	Bot Berjentera Dalam (Inboard powered)								
				Jumlah Kecil (Sub-Total)	0 - 4.9 Tan(Tons)	5 - 9.9 Tan (Tons)	10 - 14.9 Tan (Tons)	15 - 19.9 Tan (Tons)	20 - 24.9 Tan (Tons)	25 - 49.9 Tan (Tons)	50 - 99.9 Tan (Tons)	Lebih 100 Tan (100 tons & above)
Pukat Tunda (Trawl Nets)	458	—	—	458	1	45	92	40	13	255	12	—
P. Tarik (Seine Nets)	Pukat Jerut Ikan (P. Seine - Fish)	8	—	8	—	—	—	—	2	6	—	—
	Pukat Jerut Bilis (P. Seine - Anchovy)	—	—	—	—	—	—	—	—	—	—	—
	Lain-Lain (Other Seines)	18	7	11	—	—	—	—	—	—	—	—
Pukat Hanyut (Gill/drift nets)	2,296	150	142	2,004	367	1,318	211	60	35	13	—	—
Pukat Tangguk (Lift nets)	—	—	—	—	—	—	—	—	—	—	—	—
Perangkap (Traps)	Belat-Belat (Stakes)	1	—	1	—	—	—	—	—	—	—	—
	Bubu (Portable)	3	2	1	—	—	—	—	—	—	—	—
Pancing (Hook & Lines)	225	78	26	121	29	64	10	9	31	6	—	—
Pukat Bakul (Bag Nets)	282	86	—	196	150	36	4	3	2	1	—	—
Pukat Surung (Push/Scoop Nets)	16	9	7	—	—	—	—	—	—	—	—	—
Pukat Rentang (Barrier Nets)	32	15	4	13	3	9	1	—	—	—	—	—
Memunggut Siput (Shellfish)	16	—	—	16	10	6	—	—	—	—	—	—
Rampaian (Miscellaneous)	24	13	4	7	6	1	—	—	—	—	—	—
Pembawa Ikan (Fish Carriers)	15	3	—	12	1	2	—	3	2	4	—	—
JUMLAH (Total)	3,394	363	196	2,835	567	1,481	318	115	57	285	12	—

BILANGAN BOT-BOT YANG DILESENKAN MENGIKUT KUMPULAN PERKAKAS, JENIS DAN MUATAN, 1978
(Number of Licensed Fishing Boats by Gear Group, Type and Tonnage, 1978)

Jadual (Table) 1.13 (f)

Jenis Perkakas (Type of fishing gear)	Jumlah (Total)	Bot Tiada Berjentera (Non- powered)	Bot Berjinjin Sangkut (Out-board powered)	Bot Berjentera Dalam (Inboard powered)								
				Jumlah Kecil (Sub-Total)	0 - 4.9 Tan (Tons)	5 - 9.9 Tan (Tons)	10 - 14.9 Tan (Tons)	15 - 19.9 Tan (Tons)	20 - 24.9 Tan (Tons)	25 - 49.9 Tan (Tons)	50 - 99.9 Tan (Tons)	Lebih 100 Tan (100 tons & above)
Pukat Tunda (Trawl Nets)	-	-	-	-	-	-	-	-	-	-	-	-
P. Tarik (Seine Nets)	Pukat Jerut Ikan (P. Seine - Fish)	-	-	-	-	-	-	-	-	-	-	-
	Pukat Jerut Bilis (P. Seine - Anchory)	-	-	-	-	-	-	-	-	-	-	-
	Lain-Lain (Other Seines)	7	7	-	-	-	-	-	-	-	-	-
		152	27	32	93	24	67	2	-	-	-	-
Pukat Hanyut (Gill/drift nets)	-	-	-	-	-	-	-	-	-	-	-	-
Pukat Tangguk (Lift Nets)	-	-	-	-	-	-	-	-	-	-	-	-
Perangkap (Traps)	Belat-Belat (Stakes)	-	-	-	-	-	-	-	-	-	-	-
	Bubu (Portable)	-	-	-	-	-	-	-	-	-	-	-
Pancing (Hook & Lines)	36	16	10	10	5	5	-	-	-	-	-	-
Pukat Bakul (Bag Nets)	-	-	-	-	-	-	-	-	-	-	-	-
Pukat Surung (Push/Scoop Nets)	-	-	-	-	-	-	-	-	-	-	-	-
Pukat Rentang (Barrier Nets)	-	-	-	-	-	-	-	-	-	-	-	-
Memunggut Siput (Shellfish)	-	-	-	-	-	-	-	-	-	-	-	-
Rampaian (Miscellaneous)	1	1	-	-	-	-	-	-	-	-	-	-
Pembawa Ikan (Fish Carries)	-	-	-	-	-	-	-	-	-	-	-	-
JUMLAH (Total)	196	51	42	103	29	72	2	-	-	-	-	-

MELAKA

BILANGAN BOT BOT YANG DILESENKAN MENGIKUT KUMPULAN PERKAKAS, JENIS DAN MUATAN, 1978

(Number of Licensed Fishing Boats by Gear Group, Type and Tonnage, 1978)

ladual (Table) 1.13 (g)

Jenis Perkakas (Type of fishing gear)	Jumlah (Total)	Bot Tiada Berjentera (Non- powered)	Bot Berjin Sangkut (Out-board powered)	Bot Berjentera Dalam (Inboard powered)								
				Jumlah Kecil (Sub-Total)	0 - 4.9 Tan(Tons)	5 - 9.9 Tan (Tons)	10 - 14.9 Tan (Tons)	15 - 19.9 Tan (Tons)	20 - 24.9 Tan (Tons)	25 - 49.9 Tan (Tons)	50 - 99.9 Tan (Tons)	Lebeh 100Tan (100 tons & above)
Pukat Tunda (Trawl Nets)	-	-	-	-	-	-	-	-	-	-	-	-
P. Tarik (Seine Nets)												
Pukat Jerut Ikan (P. Seine - Fish)	-	-	-	-	-	-	-	-	-	-	-	-
Pukat Jerut Bilis (P. Seine-Anchovy)	-	-	-	-	-	-	-	-	-	-	-	-
Lain-Lain (Other Seines)	14	8	6	-	-	-	-	-	-	-	-	-
Pukat Hanyut (Gill/Drift Nets)	725	57	152	516	114	396	4	2	-	-	-	-
Pukat Tangguk (Lift Nets)	-	-	-	-	-	-	-	-	-	-	-	-
Perangkap (Traps)												
Belat-Belat (Stakes)	6	4	2	-	-	-	-	-	-	-	-	-
Bubu (Portable)	-	-	-	-	-	-	-	-	-	-	-	-
Pancing (Hook & Lines)	149	51	77	21	2	19	-	-	-	-	-	-
Pukat Bakul (Bag Nets)	-	-	-	-	-	-	-	-	-	-	-	-
Pukat Surung (Push/Scoop Nets)	-	-	-	-	-	-	-	-	-	-	-	-
Pukat Rentang (Barrier Nets)	5	4	1	-	-	-	-	-	-	-	-	-
Memungut Siput (Shellfish)	5	-	-	5	-	3	1	1	-	-	-	-
Rampaian (Miscellaneous)	-	-	-	-	-	-	-	-	-	-	-	-
Pembawa Ikan (Fish Carriers)	-	-	-	-	-	-	-	-	-	-	-	-
JUMLAH (Total)	904	124	238	542	116	418	5	3	-	-	-	-

BILANGAN BOT-BOT YANG DILESENKAN MENGIKUT KUMPULAN PERKAKAS, JENIS DAN MUATAN, 1978

(Number of Licensed Fishing Boats by Gear Group, Type and Tonnage, 1978)

Jadual (Table) 1.13 (h)

Jenis Perkakas (Type of fishing gear)	Jumlah (Total)	Bot Tiada Berjentera (Non- powered)	Bot Berjin Sangkut (Out-board powered)	Bot Berjentera Dalam (Inboard powered)								
				Jumlah Kecil (Sub-Total)	0 - 4.9 Tan (Tons)	5 - 9.9 Tan (Tons)	10 - 14.9 Tan (Tons)	15 - 19.9 Tan (Tons)	20 - 24.9 Tan (Tons)	25 - 49.9 Tan (Tons)	50 - 99.9 Tan (Tons)	Lebih 100 Tan (100 tons & above)
Pukat Tunda (Trawl Nets)	313	—	—	313	19	173	77	27	7	10	—	—
P. Tarik (Seine Nets)												
Pukat Jerut Ikan (P. Seine-Fish)	—	—	—	—	—	—	—	—	—	—	—	—
Pukat Jerut Bilis (P. Seine-Anchovy)	—	—	—	—	—	—	—	—	—	—	—	—
Lain-Lain (Other Seines)	80	41	38	1	1	—	—	—	—	—	—	—
Pukat Hanyut (Gill/Drift Nets)	2,397	771	531	1,095	639	449	4	2	1	—	—	—
Pukat Tangguk (Lift Nets)	5	2	3	—	—	—	—	—	—	—	—	—
Perangkap (Traps)												
Belat-Belat (Stakes)	79	8	52	19	18	1	—	—	—	—	—	—
Bubu (Portable)	46	12	23	11	—	9	2	—	—	—	—	—
Pancing (Hook & Lines)	964	654	286	24	15	6	1	1	1	—	—	—
Pukat Bakul (Bag Nets)	47	1	2	44	38	5	1	—	—	—	—	—
Pukat Surung (Push/Scoop Nets)	54	43	11	—	—	—	—	—	—	—	—	—
Pukat Rentang (Barrier Nets)	90	65	11	14	8	6	—	—	—	—	—	—
Memungut Siput (Shellfish)	9	6	2	1	1	—	—	—	—	—	—	—
Rampaian (Miscellaneous)	46	30	13	3	—	3	—	—	—	—	—	—
Pembawa Ikan (Fish Carriers)	19	1	12	6	6	—	—	—	—	—	—	—
JUMLAH (Total)	4,149	1,634	984	1,531	745	652	85	30	9	10	—	—

KELANTAN

BILANGAN BOT-BOT YANG DILESENKAN MENGIKUT KUMPULAN PERKAKAS, JENIS DAN MUATAN, 1978

(Number of Licensed Fishing Boats by Gear Group, Type and Tonnage, 1978)

Jadual (Table) 1.13 (i)

Jenis Perkakas (Type of fishing gear)	Jumlah (Total)	Bot Tiada Berjentera (Non- powered)	Bot Berjinjin Sangkut (Out-board powered)	Bot Berjentera Dalam (Inboard powered)									
				Jumlah Kecil (Sub-Total)	0 - 4.9 Tan(Tons)	5 - 9.9 Tan (Tons)	10 - 14.9 Tan (Tons)	15 - 19.9 Tan (Tons)	20 - 24.9 Tan (Tons)	25 - 49.9 Tan (Tons)	50 - 99.9 Tan (Tons)	Lebih 100Tan (100 tons & above)	
Pukat Tunda (Trawl Nets)	138	—	—	138	2	51	45	14	3	23	—	—	
P. Tarik (Seine Nets)	Pukat Jerut Ikan (P. Seine-Fish)	47	8	—	39	—	2	1	3	5	22	5	1
	Pukat Jerut Bilis (P. Seine-Anchovy)	14	9	—	5	—	3	2	—	—	—	—	—
	Lain-Lain (Other Seines)	57	3	42	12	5	6	1	—	—	—	—	—
Pukat Hanyut (Gill/Drift Nets)	474	86	30	358	249	78	11	16	3	1	—	—	—
Pukat Tangguk (Lift Nets)	136	42	53	41	8	19	10	3	1	—	—	—	—
Perangkap (Traps)	Belat-Belat (Stakes)	—	—	—	—	—	—	—	—	—	—	—	—
	Bubu (Portable)	25	—	—	25	2	—	4	3	5	11	—	—
Pancing (Hook & Lines)	664	134	103	427	199	109	71	33	7	6	2	—	—
Pukat Bakul (Bag Nets)	—	—	—	—	—	—	—	—	—	—	—	—	—
Pukat Surung (Push/Scoop Nets)	—	—	—	—	—	—	—	—	—	—	—	—	—
Pukat Rentang (Barrier Nets)	—	—	—	—	—	—	—	—	—	—	—	—	—
Memunggut Siput (Shellfish)	—	—	—	—	—	—	—	—	—	—	—	—	—
Rampaian (Miscellaneous)	1	—	—	1	—	—	—	—	—	—	1	—	—
Pembawa Ikan (Fish Carriers)	2	—	—	2	2	—	—	—	—	—	—	—	—
JUMLAH (Total)	1,558	282	228	1,048	467	268	145	72	24	63	8	1	—

TRENGGANU

BILANGAN BOT-BOT YANG DILESENKAN MENGIKUT KUMPULAN PERKAKAS, JENIS DAN MUATAN, 1978

(Number of Licensed Fishing Boats by Gear Group, Type and Tonnage, 1978)

Jadual (Table) 1.13 (j)

Jenis Perkakas (Type of fishing gear)	Jumlah (Total)	Bot Tiada Berjentera (Non- powered)	Bot Berinjin Sangkut (Out-board powered)	Bot Berjentera Dalam (Inboard powered)								
				Jumlah Kecil (Sub-Total)	0 - 4.9 Tan(Tons)	5 - 9.9 Tan (Tons)	10 - 14.9 Tan (Tons)	15 - 19.9 Tan (Tons)	20 - 24.9 Tan (Tons)	25 - 49.9 Tan (Tons)	50 - 99.9 Tan (Tons)	Lebih 100Tan (100 tons & above)
Pukat Tunda (Traw Nets)	159	—	—	159	1	45	51	17	3	37	5	—
P. Tarik (Seine Nets)	Pukat Jerut Ikan (P. Seine-Fish)	—	—	164	4	22	31	20	31	56	—	—
	Pukat Jerut Bilis (P. Seine-Anchovy)	75	—	200	21	68	70	31	8	2	—	—
	Lain-Lain (Other Seines)	38	1	40	4	33	2	1	—	—	—	—
Pukat Hanyut (Gill/Drift Nets)	514	146	—	368	57	205	98	8	—	—	—	—
Pukat Tangguk (Lift Nets)	282	64	3	215	21	142	42	8	1	1	—	—
Perangkap (Traps)	Belat-Belat (Stakes)	—	—	—	—	—	—	—	—	—	—	—
	Bubu (Portable)	—	—	171	13	37	41	42	20	18	—	—
Pancing (Hook & Lines)	1,648	344	4	1,300	326	552	333	75	11	3	—	—
Pukat Bakul (Bag Nets)	—	—	—	—	—	—	—	—	—	—	—	—
Pukat Surung (Push/Scoop Nets)	—	—	—	—	—	—	—	—	—	—	—	—
Pukat Rentang (Barrier Nets)	—	—	—	—	—	—	—	—	—	—	—	—
Memungut Siput (Shellfish)	—	—	—	—	—	—	—	—	—	—	—	—
Rampaian (Miscellaneous)	34	3	—	31	26	4	—	1	—	—	—	—
Pembawa Ikan (Fish Carriers)	26	25	—	1	—	1	—	—	—	—	—	—
JUMLAH (Total)	3,352	695	8	2,649	473	1,109	668	203	74	117	5	—

PAHANG

BILANGAN BOT BOT YANG DILESENKAN MENGIKUT KUMPULAN PERKAKAS, JENIS DAN MUATAN, 1978

(Number of Licensed Fishing Boats by Gear Group, Type and Tonnage, 1978)

Jadual (Table) 1.13 (k)

Jenis Perkakas (Type of fishing gear)	Jumlah (Total)	Bot Tiada Berjentera (Non- powered)	Bot Berinjin Sangkut (Out-board powered)	Bot Berjentera Dalam (Inboard powered)								
				Jumlah Kecil (Sub-Total)	0 - 4.9 Tan(Tons)	5 - 9.9 Tan (Tons)	10 - 14.9 Tan (Tons)	15 - 19.9 Tan (Tons)	20 - 24.9 Tan (Tons)	25 - 49.9 Tan (Tons)	50 - 99.9 Tan (Tons)	Lebih 100Tan (100 tons & above)
Pukat Tunda (Trawl Nets)	288	—	—	288	29	173	30	5	5	45	1	—
P. Tarik (Seine Nets)	Pukat Jerut Ikan (P. Seine-Fish)	—	—	38	—	—	—	5	6	24	3	—
	Pukat Jerut Bilis (P. Seine-Anchovy)	22	6	30	2	1	9	3	2	13	—	—
	Lain-Lain (Other Seines)	1	1	2	2	—	—	—	—	—	—	—
Pukat Hanyut (Gill/Drift Nets)	122	27	6	89	32	44	9	4	—	—	—	—
Pukat Tangguk (Lift Nets)	94	47	—	47	5	24	5	9	—	4	—	—
Perangkap (Traps)	Belat-Belat (Stakes)	—	—	—	—	—	—	—	—	—	—	—
	Bubu (Portable)	—	—	119	17	58	37	5	—	2	—	—
Pancing (Hook & Lines)	222	18	2	202	41	95	59	5	1	1	—	—
Pukat Bakul (Bag Nets)	—	—	—	—	—	—	—	—	—	—	—	—
Pukat Surung (Push/Scoop Nets)	—	—	—	—	—	—	—	—	—	—	—	—
Pukat Rentang (Barrier Nets)	—	—	—	—	—	—	—	—	—	—	—	—
Memungut Siput (Shellfish)	—	—	—	—	—	—	—	—	—	—	—	—
Rampaian (Miscellaneous)	3	3	—	—	—	—	—	—	—	—	—	—
Pembawa Ikan (Fish Carriers)	—	—	—	—	—	—	—	—	—	—	—	—
JUMLAH (Total)	948	118	15	815	128	395	149	36	14	89	4	—

BILANGAN BOT-BOT YANG DILESENKAN MENGIKUT KUMPULAN PERKAKAS, JENIS DAN MUATAN, 1978

(Number of Licensed Fishing Boats by Gear Group, Type and Tonnage, 1978)

Jadual (Table) 1.13 (i)

Jenis Perkakas (Type of fishing gear)	Jumlah (Total)	Bot Tiada Berjentera (Non- powered)	Bot Berjinjin Sangkut (Out-board powered)	Bot Berjentera Dalam (Inboard powered)								
				Jumlah Kecil (Sub-Total)	0 – 4.9 Tan(Tons)	5 – 9.9 Tan (Tons)	10 – 14.9 Tan (Tons)	15 – 19.9 Tan (Tons)	20 – 24.9 Tan (Tons)	25 – 49.9 Tan (Tons)	50 – 99.9 Tan (Tons)	Lebih 100Tan (100 tons & above)
Pukat Tunda (Trawl Nets)	299	—	—	299	4	54	31	32	47	124	7	—
P. Tarik (Seine Nets)												
Pukat Jerut Ikan (P. Seine-Fish)	66	4	—	62	—	—	—	—	6	52	4	—
Pukat Jerut Bilis (P. Seine-Anchovy)	2	—	—	2	—	—	—	2	—	—	—	—
Lain-Lain (Other Seine)	24	10	7	7	3	3	—	1	—	—	—	—
Pukat Hanyut (Gill/Drift Nets)	415	73	138	204	96	89	17	—	1	1	—	—
Pukat Tangguk (Lift Nets)	190	116	35	39	—	—	1	4	8	26	—	—
Perangkap (Traps)												
Belat-Belat (Stakes)	39	14	8	17	6	8	3	—	—	—	—	—
Bubu (Portable)	52	2	5	45	17	19	3	—	—	3	3	—
Pancing (Hook & Lines)	636	306	112	218	63	107	32	6	1	6	3	—
Pukat Bakul (Bag Nets)	103	6	46	51	51	—	—	—	—	—	—	—
Pukat Surung (Push/Scoop Nets)	18	18	—	—	—	—	—	—	—	—	—	—
Pukat Rentang (Barrier Nets)	26	8	17	1	—	1	—	—	—	—	—	—
Memunggut Siput (sehlifish)	—	—	—	—	—	—	—	—	—	—	—	—
Rampaian (Miscellaneous)	61	40	21	—	—	—	—	—	—	—	—	—
Pembawa Ikan (Fish Carriers)	8	—	—	8	4	2	2	—	—	—	—	—
JUMLAH (Total)	1,939	597	389	953	244	283	89	45	63	212	17	—

SEMENANJUNG MALAYSIA (PENINSULAR MALAYSIA)

SIRI TAHUNAN PENDARATAN IKAN LAUT DAN NILAI

(Annual Series of Marine Fish Landings and Value)

Dalam Metrik Ton In Metric Tonnes

Jadual (Table)

2.1

Negeri (State)		1974		1975		1976		1977		1978	
		Kuantiti (Qty.)	Nilai \$ (Value \$)	Kuantiti (Qty.)	Nilai \$ (Value \$)	Kuantiti (Qty.)	Nilai \$ (Value \$)	Kuantiti (Qty.)	Nilai \$ (Value \$)	Kuantiti (Qty.)	Nilai \$ (Value \$)
Pantai Barat (West Coast)	Perlis	13,509	18,198,969	13,959	20,228,119	9,906	11,467,973	14,333	18,743,302	14,544	27,690,361
	Kedah	42,638	61,038,231	42,938	67,747,326	51,953	101,582,246	71,616	148,232,460	66,491	170,987,018
	Pulau Pinang (Penang)	26,663	50,121,888	20,984	48,443,043	17,155	45,559,356	28,023	44,313,230	22,522	48,452,722
	Perak	131,699	158,353,789	94,950	151,985,834	108,574	178,666,791	143,158	254,065,774	186,645	415,445,997
	Selangor	88,196	90,585,585	82,175	68,489,714	91,664	121,493,744	105,857	145,472,323	104,705	258,674,583
	N. Sembilan	314	611,093	414	1,027,467	460	1,301,416	450	1,405,958	422	1,357,151
	Melaka	1,338	2,327,234	1,317	2,875,171	1,313	2,829,457	1,453	3,564,026	2,441	5,306,208
	Johor Barat (West Johore)	13,457	23,361,742	13,928	25,851,502	13,554	30,170,582	12,977	33,526,837	13,004	38,114,766
	Jumlah Kecil: (Sub-Total)	317,814	404,598,531	270,665	386,648,176	294,579	493,071,565	377,867	649,323,910	410,774	966,028,806
Pantai Timur (East Coast)	Kelantan	12,714	15,942,729	12,718	18,734,207	13,346	18,100,629	6,489	11,783,998	14,493	31,698,259
	Trengganu	59,719	76,514,340	53,425	80,460,433	55,293	79,172,679	77,800	120,206,433	75,349	163,272,752
	Pahang	18,986	17,431,271	13,468	17,835,107	14,188	15,046,005	13,960	16,972,313	16,317	29,234,849
	Johor Timur (East Johore)	30,341	28,940,639	24,959	27,965,361	33,562	36,847,503	21,836	30,206,875	47,965	103,176,609
	Jumlah Kecil: (Sub-Total)	121,760	138,828,979	104,570	144,995,108	116,389	149,166,816	120,085	179,169,619	154,124	327,382,469
	Jumlah Besar: (Grand Total)	439,574	543,427,510	375,235	531,643,284	410,968	642,238,381	497,952	828,493,529	564,898	1,293,411,275

SEMENANJUNG MALAYSIA (PENINSULAR MALAYSIA)
TANGKAPAN IKAN LAUT MENGIKUT NEGERI BAGI TAHUN 1978
(Landings of Marine Fish by States for the Year 1978)

Jadual (Table) 2.2

Pendaratan (Landings)		Pantai Barat (West Coast)								Jumlah Kecil (Sub- Total)	Pantai Timur (East Coast)				Jumlah Kecil (Sub- Total)	Jumlah Besar (Grand Total)
		Perlis	Kedah	P. Pinang (Penang)	Perak	Selangor	Negeri Sembilan	Melaka (Malacca)	Johor Barat (Johore West)		Kelantan	Trengganu	Pahang	Johor Timur (Johore East)		
Kuantiti (Quantity)	Pikul (Piculs)	240,401	1,099,099	372,290	3,085,241	1,730,765	6,979	40,353	214,959	6,790,087	239,567	1,245,526	269,725	792,856	2,547,674	9,337,761
	M. Ton (Metric Tonne)	14,544	66,491	22,522	186,645	104,705	422	2,441	13,004	410,774	14,493	75,349	16,317	47,965	154,124	564,898
Peratus (Percentage)		2.58%	11.77%	3.99%	33.04%	18.54%	0.07%	0.43%	2.30%	72.72%	2.56%	13.34%	2.89%	8.49%	27.28%	100%

1 Metrik Ton (Metric Tonne) = 16.53 Pikul (Piculs)

SEMENANJUNG MALAYSIA (PENINSULAR MALAYSIA)
TANGKAPAN IKAN LAUT MENGIKUT BULAN DAN NEGERI – 1978
(Landings of Marine Fish by Month and State – 1978)

Jadual (Table)
2.3

Negeri (State)		Bulan (Month)	Januari (Jan.)	Februari (Feb.)	Mach (Mar.)	April (Apr.)	Mei (May)	Jun (June)	Julai (July)	Ogos (Aug.)	September (Sept.)	Oktober (Oct.)	November (Nov.)	Disember (Dec.)	Jumlah (Total)	
															Pikul (Piculs)	M. Ton (M. Tonnes)
Pantai Barat (West Coast)	Perlis		20,127	20,614	21,374	23,469	20,192	18,897	18,123	19,204	19,414	19,138	19,946	19,903	240,401	14,544
	Kedah		95,936	101,408	101,420	99,663	95,619	85,692	87,223	87,653	86,366	81,876	84,572	91,671	1,099,099	66,491
	Pulau Pinang		34,897	19,633	43,691	31,840	22,213	23,006	24,764	38,063	33,293	40,341	31,007	29,542	372,290	22,522
	Perak		233,281	171,321	211,717	278,511	327,479	300,541	259,722	248,469	257,804	302,559	258,374	235,463	3,085,241	186,645
	Selangor		140,710	142,168	150,092	169,209	160,128	158,586	146,665	139,257	138,805	130,614	129,643	124,888	1,730,765	104,705
	Negeri Sembilan		493	562	745	711	827	607	608	543	451	392	500	540	6,979	422
	Melaka		2,775	2,766	2,984	3,128	3,423	3,392	3,571	3,493	3,645	3,617	3,786	3,773	40,353	2,441
	Johor Barat (West)		16,629	15,660	16,234	20,711	19,389	19,019	20,271	19,364	16,424	16,565	16,611	18,082	214,959	13,004
	Jumlah Kecil (Sub-Total)		544,848 32,961	474,132 28,683	548,257 33,167	627,242 37,946	649,270 39,278	609,740 36,887	560,947 33,935	556,046 33,639	556,202 33,648	595,102 36,001	544,439 32,937	523,862 31,692	6,790,087	410,774
Pantai Timur (East Coast)	Kelantan		13,869	23,331	28,910	21,105	16,362	17,542	20,720	29,412	26,036	25,382	12,951	3,947	239,567	14,493
	Trengganu		91,449	104,328	105,776	120,677	107,694	112,625	98,471	95,996	113,078	109,345	93,434	92,653	1,245,526	75,349
	Pahang		16,467	11,933	21,051	24,277	27,263	25,936	24,733	22,986	26,604	27,322	25,246	15,907	269,725	16,317
	Johor Timur (East)		34,853	39,860	61,581	56,473	70,027	64,144	76,320	84,557	94,732	110,230	69,359	30,720	792,856	47,965
	Jumlah Kecil (Sub-Total)		156,638 9,476	179,452 10,856	217,318 13,147	222,532 13,462	221,346 13,391	220,247 13,324	220,244 13,324	232,951 14,092	260,450 15,756	272,279 16,472	200,990 12,159	143,227 8,665	2,547,674	154,124
Jumlah Besar (Grand Total)	Pikul (Piculs)		701,486	653,584	765,575	849,774	870,616	829,987	781,191	788,997	816,652	867,381	745,429	667,089	9,337,761	
	Metrik Ton (Metric Tonnes)		42,437	39,539	46,314	51,408	52,669	50,211	47,259	47,731	49,404	52,473	45,096	40,357		564,898

1 Metrik Ton (Metric Tonne) = 16.53 Pikul (Piculs)

SEMENANJUNG MALAYSIA (PENINSULAR MALAYSIA)
TANGKAPAN IKAN LAUT MENGIKUT DAERAH PERIKANAN DAN BULAN - 1978
(Landings of Marine Fish by Fisheries District and Month - 1978)

Jadual (Table)
2.4

NEGERI (STATE)	DAERAH PERIKANAN (FISHERIES DISTRICT)	Januari (Jan.)	Februari (Feb.)	Mac (Mar.)	April (Apr.)	Mei (May)	Jun (June)	Julai (July)	Ogos (Aug.)	September (Sept.)	Oktober (Oct.)	November (Nov.)	Disember (Dec.)	JUMLAH (TOTAL)	
														Pikul (Piculs)	M. Ton (M. Tonnes)
Perlis	Perlis	20,127	20,614	21,374	23,469	20,192	18,897	18,123	19,204	19,414	19,138	19,946	19,903	240,401	14,544
Kedah	Kedah Utara Kedah Selatan Langkawi	78,859	79,170	77,792	76,375	69,784	64,045	63,467	64,696	65,530	64,134	64,605	69,852	838,309	50,714
		12,418	16,212	13,714	11,591	14,213	10,422	12,687	11,739	11,001	8,462	9,258	10,777	142,494	8,620
		4,659	6,026	9,914	11,697	11,622	11,225	11,069	11,218	9,835	9,280	10,709	11,042	118,296	7,157
Pulau Pinang (Penang)	P. Pinang Utara P. Pinang Selatan Seb. Perai	3,738	3,347	3,473	2,302	1,798	1,896	1,970	2,214	1,964	2,534	2,049	2,599	29,884	1,808
		14,609	8,014	15,728	14,813	8,625	9,442	9,844	16,855	9,928	12,724	8,930	9,955	139,467	8,437
		16,550	8,272	24,490	14,725	11,790	11,668	12,950	18,994	21,401	25,083	20,028	16,988	202,939	12,277
Perak	Krian Larut & Matang Dindings Hilir Perak	59,416	46,615	53,028	55,381	48,205	63,113	50,439	56,157	48,087	61,332	56,045	58,948	656,766	39,732
		62,896	39,225	37,565	42,879	45,279	54,119	45,113	63,332	54,710	57,486	59,086	56,287	617,977	37,385
		82,169	54,516	87,784	135,746	184,097	126,653	107,016	72,364	99,560	121,457	89,607	77,112	1,238,081	74,899
		28,800	30,965	33,340	44,505	49,898	56,656	57,154	56,616	55,447	62,284	53,636	43,116	572,417	34,629
Selangor	Selangor Utara Selangor Tengah Selangor Selatan Pelabuhan Kelang	51,976	47,663	58,419	63,524	64,357	67,812	64,612	62,863	60,787	58,557	58,817	56,245	715,632	43,293
		12,933	14,159	13,885	13,803	14,262	14,348	13,692	13,646	12,506	11,016	10,266	9,432	153,948	9,313
		1,764	1,749	1,766	1,719	1,655	1,668	1,624	2,160	1,229	1,395	1,014	801	18,544	1,122
		74,037	78,597	76,022	90,163	79,854	74,758	66,737	60,588	64,283	59,646	59,546	58,410	842,641	50,977
Negeri Sembilan	Port Dickson	493	562	745	711	827	607	608	543	451	392	500	540	6,979	422
Melaka (Malacca)	Melaka	2,775	2,766	2,984	3,128	3,423	3,392	3,571	3,493	3,645	3,617	3,786	3,773	40,353	2,441

Sambungan
(Continued)

NEGERI (STATE)	DAERAH PERIKANAN (FISHERIES DISTRICT)	Januari (Jan.)	Februari (Feb.)	Mac (Mar.)	April (Apr.)	Mei (May)	Jun (June)	Julai (July)	Ogos (Aug.)	September (Sept.)	Oktober (Oct.)	November (Nov.)	Disember (Dec.)	JUMLAH (TOTAL)	
														Pikul (Piculs)	M. Ton (M. Tonnes)
Johor (Johore)	Muar	3,636	3,829	3,925	4,099	4,493	4,940	5,506	4,460	5,039	4,928	3,911	4,631	53,397	3,230
	Batu Pahat	3,276	3,424	2,842	3,010	3,156	4,126	5,938	5,993	3,445	3,370	5,794	6,589	50,963	3,083
	Pontian	7,940	7,058	9,304	12,583	10,717	8,920	7,882	7,982	6,625	6,904	5,560	5,675	96,150	5,817
	Johor Bharu	1,777	1,349	1,163	1,019	1,023	1,033	945	929	1,315	1,363	1,346	1,187	14,449	874
	Kota Tinggi	15,388	16,919	37,461	34,444	46,881	43,016	42,450	47,553	62,827	61,796	29,308	12,836	450,879	27,277
	Mersing	19,465	22,941	24,120	22,029	23,146	21,128	33,870	37,004	31,905	48,434	40,051	17,884	341,977	20,688
Kelantan	Bacok	1,847	1,924	3,240	1,858	1,593	3,360	6,925	11,974	5,920	4,485	3,029	625	46,780	2,830
	Kota Bahru	12,022	21,407	25,670	19,247	14,769	14,182	13,795	17,438	20,116	20,897	9,922	3,322	192,787	11,663
Trengganu	Kuala Trengganu	13,752	23,905	36,390	35,715	32,045	34,725	22,150	18,070	20,435	15,586	6,240	8,195	267,208	16,165
	Marang	18,542	24,128	26,574	28,465	24,806	26,385	26,583	23,604	19,279	15,382	12,100	5,038	250,886	15,178
	Besut	33,051	31,306	23,655	35,159	32,962	32,025	30,796	32,098	48,577	48,124	47,159	50,100	445,012	26,921
	Dungun	12,724	10,930	10,031	13,891	11,975	11,966	11,563	12,541	12,683	13,026	6,869	6,984	135,183	8,178
	Kemaman	13,380	14,059	9,126	7,447	5,906	7,524	7,379	9,683	12,104	17,227	21,066	22,336	147,237	8,907
Pahang	Pahang Utara	10,690	6,484	11,452	12,447	14,068	12,528	11,301	11,644	14,934	15,123	15,889	8,737	145,277	8,789
	Pahang Tengah	1,223	2,897	3,577	4,729	4,586	4,905	3,457	2,831	3,490	4,421	2,257	1,470	39,843	2,410
	Pahang Selatan	4,554	2,572	6,022	7,101	8,609	8,503	9,975	8,511	8,180	7,778	7,100	5,700	84,605	5,118
JUMLAH (TOTAL)	Pikul (Piculs)	701,486	653,584	765,575	849,774	870,616	829,987	781,191	788,997	816,652	867,381	745,429	667,089	9,337,761	
	M. Ton (M. Tonnes)	42,437	39,539	46,314	51,408	52,669	50,211	47,259	47,731	49,404	52,473	45,096	40,357		564,898

1 M. Ton (Metric Tonne) = 16.53 Pikul (Piculs)

SEMENANJUNG MALAYSIA (PENINSULAR MALAYSIA)
TANGKAPAN IKAN LAUT MENGIKUT NEGERI DAN KUMPULAN PERKAKAS – 1978
(Landings of Marine Fish by State and Gear Group – 1978)

Jadual (Table)
2.5

NEGERI (STATE)	PANTAI BARAT (WEST COAST)								JUMLAH KECIL (SUB- TOTAL)	PANTAI TIMUR (EAST COAST)				JUMLAH KECIL (SUB- TOTAL)	JUMLAH (TOTAL)	
	PERLIS	KEDAH	PULAU PINANG	PERAK	SELANG- OR	NEGERI SEMBI- LAN	MELAKA	JOHOR BARAT (West Johore)		KELAN- TAN	TRENG- GANU	PAHANG	JOHOR TIMUR (East Johore)		PIKUL (PICULS)	M. TON (M. Tonnes)
Pukat-Pukat Tunda (Trawl Nets)	172,833	895,604	58,365	1,352,903	1,331,252	—	—	79,318	3,890,275	24,174	300,430	154,967	341,512	821,083	4,711,358	285,019
P. P. Tarik (Seine Nets)	Pukat Jerut (Purse Seines)	60,021	165,569	78,258	539,743	54,551	—	—	898,142	143,589	565,111	72,047	182,951	963,698	1,861,840	112,634
	Lain-Lain (Other Seines)	660	3,520	38,596	178,543	1,315	639	1,019	6,442	230,734	856	7,259	1,109	809	10,033	240,767
Pukat-Pukat Hanyut (Drift/Gill Nets)	4,622	16,190	51,529	135,243	39,047	5,024	18,117	60,552	330,324	15,628	108,904	5,491	60,482	190,505	520,829	31,508
Pukat-Pukat Tangguk (Lift Nets)	—	808	123	—	1,559	—	—	52	2,542	30,763	72,142	14,991	51,641	169,537	172,079	10,410
Perangkap- Perangkap (Traps)	Belat-Belat (Stationary)	1,227	5,829	555	25,757	—	—	1,819	22,094	57,281	—	300	882	13,662	14,844	72,125
	Bubu (Portable)	—	981	3,144	7,054	—	288	—	3,165	14,632	4,219	43,112	9,997	2,321	59,649	74,281
Pancing (Lines)	566	5,150	2,417	24,725	20,920	1,024	5,597	12,445	72,844	3,451	142,204	10,026	22,501	178,182	251,026	15,186
Pukat-Pukat Bakul (Bag Nets)	—	674	37,494	39,114	234,169	—	—	16,889	328,340	—	—	215	116,371	116,586	444,926	26,916
Pukat-Pukat Rentang (Barrier Nets)	—	1,490	—	295	4,138	—	641	4,033	10,597	—	—	—	—	—	10,597	641
Pukat-Pukat Surung (Push/Scoop Nets)	—	934	12,610	1,105	—	—	545	480	15,674	117	—	—	122	239	15,913	963
Memungut Siput (Shellfish Collection)	—	2,245	87,551	777,351	38,164	—	12,505	9,489	927,305	—	—	—	—	—	927,305	56,098
Rampaian (Miscellaneous)	472	105	1,648	3,408	5,650	4	110	—	11,397	16,770	6,064	—	484	23,318	34,715	2,100
Jumlah: Pikul (Piculs) (Total) : M. Ton (M. Tonnes)	240,401 14,544	1,099,099 66,491	372,290 22,522	3,085,241 186,645	1,730,765 104,705	6,979 422	40,353 2,441	214,959 13,004	6,790,087 410,774	239,567 14,493	1,245,526 75,349	269,725 16,317	792,856 47,965	2,547,674 154,124	9,337,761	564,898

1 M. Ton (M. Tonnes) = 16.53 Pikul (Piculs)

SEMENANJUNG MALAYSIA (PENINSULAR MALAYSIA)
TANGKAPAN IKAN LAUT MENGIKUT DAERAH PERIKANAN DAN KUMPULAN PERKAKAS – 1978
(Landings of Marine Fish by Fisheries District and Gear Group – 1978)

Jadual (Table)
2.6

Negeri (State)	Daerah Perikanan (Fisheries District)	Kumpulan Perkakas	Pukat Tunda (Trawl Nets)	Pukat-Pukat Tarik (Seine Nets)		Pukat Hanyut (Drift/Gill Nets)	Pukat Tangguk (Lift Nets)	Perangkap-Perangkap (Traps)		Pancing (Hooks & Lines)	Pukat Bakul (Bag Nets)	Pukat Rentang (Barrier Nets)	Pukat Surung (Push Nets)	Memungut Siput (Shell-fish Collection)	Rampaian (Miscellaneous)	Jumlah (Total)	
				Pukat Jerut (Purse Seines)	Lain-Lain Pukat Tarik (Other Seines)			Belat-Belat (Stationary)	Bubu (Portable)							Pikul (Piculs)	M. Ton (Metric Tonnes)
Perlis	Perlis		172,833	60,021	660	4,622	—	1,227	—	566	—	—	—	—	472	240,401	14,544
Kedah	Kedah Utara Kedah Selatan Langkawi		774,795	44,207	1,494	4,050	88	5,497	884	3,722	—	1,327	—	2,245	—	838,309	50,714
			91,887	40,740	1,545	5,383	450	332	—	386	674	163	934	—	—	142,494	8,620
			28,922	80,622	481	6,757	270	—	97	1,042	—	—	—	—	105	118,296	7,157
Pulau Pinang (Penang)	Pulau Pinang Utara Pulau Pinang Selatan Seberang Prai		21,054	—	1,096	6,492	—	—	191	3	740	—	212	96	—	29,884	1,808
			37,311	43,384	3,094	28,036	—	—	199	1,130	17,135	—	8,216	962	—	139,467	8,437
			—	34,874	34,406	17,001	123	555	2,754	1,284	19,619	—	4,182	86,493	1,648	202,939	12,277
Perak	Krian Larut & Matang Dindings Hilir Perak		—	38,509	172,118	35,866	—	—	—	1,955	39,114	—	741	368,095	368	656,766	39,732
			203,885	—	6,094	56,387	—	—	—	2,213	—	295	364	345,830	2,909	617,977	37,385
			763,668	442,198	331	11,816	—	—	6,843	13,225	—	—	—	—	—	1,238,081	74,899
			385,350	59,036	—	31,174	—	25,757	211	7,332	—	—	—	63,426	131	572,417	34,629
Selangor	Selangor Utara Selangor Tengah Selangor Selatan Pelabuhan Kelang		642,200	54,551	—	1,981	—	—	—	—	—	—	—	16,900	—	715,632	43,293
			103,246	—	454	7,986	—	—	—	8,346	12,429	223	—	*21,264	—	153,948	9,313
			5,798	—	861	8,840	1,559	—	—	1,486	—	—	—	—	—	18,544	1,122
			580,008	—	—	20,240	—	—	—	11,088	221,740	3,915	—	—	5,650	842,641	50,977
Negeri Sembilan	Port Dickson			—	639	5,024	—	—	288	1,024	—	—	—	—	4	6,979	422
Melaka (Malacca)	Melaka				1,019	18,117		1,819		5,597		641	545	12,505	110	40,353	2,441

Negeri (State)	Daerah Perikanan (Fisheries District)	Kumpulan Perkakas	Pukat Tunda (Trawl Nets)	Pukat Pukat Tarik (Seine Nets)		Pukat Hanyut (Drift/Gill Nets)	Pukat Tangguk (Lift Nets)	Perangkap Perangkap (Traps)		Pancing (Hooks & Lines)	Pukat Baku/ (Bag Nets)	Pukat Rentang (Barrier Nets)	Pukat Surung (Push Nets)	Memungut Siput (Shell-fish Collection)	Rampaian (Miscellaneous)	Jumlah (Total)	
				Pukat Jerut (Purse Seines)	Lain-Lain Pukat Tarik (Other Seines)			Belat-Belat (Stationary)	Bubu (Portable)							Pikul (Piculs)	M. Ton (Metric Tonnes)
Johor (Johore)	Muar		—	—	1,678	21,805	—	17,799	1,792	5,236	—	1,373	—	3,714	—	53,397	3,230
	Batu Pahat		15,379	—	3,553	12,343	—	1,272	703	6,046	3,779	2,113	—	5,775	—	50,963	3,083
	Pontian		63,939	—	907	17,757	—	53	—	—	13,110	384	—	—	—	96,150	5,817
	Johor Bharu		—	—	304	8,647	52	2,970	670	1,163	—	163	480	—	—	14,449	874
	Kota Tinggi		139,929	120,837	294	48,243	6,679	7,311	228	10,580	116,371	—	122	—	285	450,879	27,277
	Mersing		201,583	62,114	515	12,239	44,962	6,351	2,093	11,921	—	—	—	—	199	341,977	20,688
Kelantan	Kota Bharu		21,689	137,942	374	6,883	3,122	—	3,850	2,547	—	—	—	—	16,380	192,787	11,663
	Bacok		2,485	5,647	482	3,745	27,641	—	369	904	—	—	117	—	390	46,780	2,830
Trengganu	Besut		72,187	304,477	4,594	12,325	2,213	—	4,479	44,737	—	—	—	—	—	445,012	26,921
	Kuala Trengganu		105,484	112,045	1,065	16,765	11,189	—	5,095	11,915	—	—	—	—	3,650	267,208	16,165
	Dungun		38,459	8,984	—	19,415	8,118	—	7,776	51,417	—	—	—	—	1,014	135,183	8,178
	Kemaman		63,157	12,730	—	5,552	18,307	—	24,060	23,431	—	—	—	—	—	147,237	8,907
	Marang		21,143	126,875	1,600	54,047	32,315	300	1,702	10,704	—	—	—	—	1,400	250,886	15,178
Pahang	Pahang Utara		77,439	47,421	—	1,265	5,786	—	6,250	7,116	—	—	—	—	—	145,277	8,789
	Pahang Tengah		13,584	7,665	940	2,536	9,205	—	3,086	2,737	90	—	—	—	—	39,843	2,410
	Pahang Selatan		63,944	16,961	169	1,690	—	882	661	173	125	—	—	—	—	84,605	5,118
JUMLAH : (TOTAL)		Pikul (Piculs) M. Ton (M. Tonnes)	4,711,358 295,019	1,861,810 112,634	240,767 14,566	520,829 31,508	172,079 10,410	72,125 4,363	74,281 4,494	251,026 15,186	444,926 26,916	10,597 641	15,913 963	927,305 56,098	34,715 2,100	9,337,761	564,898

1 M. Ton (Metric Tonne) = 16.53 Pikul (Piculs).

SEMENANJUNG MALAYSIA (PENINSULAR MALAYSIA)
TANGKAPAN IKAN LAUT MENGIKUT BULAN DAN KUMPULAN PERKAKAS – 1978
(Landings of Marine Fish by Month and Gear Group – 1978)

Jadual (Table)
2.7

Kumpulan Perkakas (Gear Group)	BULAN (Month)	Jan. (Jan.)	Feb. (Feb.)	Mach (Mar.)	April (Apr.)	Mei (May)	Jun (June)	Julai (Jul.)	Ogos (Aug.)	Sept. (Sept.)	Okt. (Oct.)	Nov. (Nov.)	Dis. (Dec.)	JUMLAH (TOTAL)	
														Pikul (Piculs)	M. Ton (M. Tonnes)
Pukat-Pukat Tunda (Trawl Nets)		371,600	327,797	365,308	426,012	484,264	427,326	412,235	386,042	401,779	402,502	366,071	340,422	4,711,358	285,019
P. P. Tarik (Seine Nets)	Pukat Jerut (Purse Seines)	94,956	117,767	174,434	214,646	172,805	171,922	152,545	155,452	158,610	175,833	153,079	119,791	1,861,840	112,634
	Lain-Lain (Other Seines)	17,831	12,528	17,646	18,433	17,796	14,723	20,738	17,473	20,179	28,870	25,791	28,759	240,767	14,566
Pukat-Pukat Hanyut (Drift/Gill Nets)		32,345	33,606	38,242	43,068	40,910	49,786	41,300	59,848	56,860	54,635	38,642	31,587	520,829	31,508
Pukat-Pukat Tangguk (Lift Nets)		14,666	15,750	12,699	12,422	17,177	16,950	16,667	20,625	13,928	15,249	10,892	5,054	172,079	10,410
Perangkap (Traps)	Belat-Belat (Stationary)	3,872	4,594	4,380	3,400	4,483	6,432	7,468	6,915	9,406	8,333	7,094	5,748	72,125	4,363
	Bubu (Portable)	5,943	5,188	5,394	6,011	5,925	6,555	5,345	6,173	6,415	6,943	7,150	7,239	74,281	4,494
Pancing (lines)		19,258	20,702	17,860	19,597	21,849	21,129	21,250	22,455	22,748	23,292	20,728	20,158	251,026	15,186
Pukat-Pukat Bakul (Bag Nets)		32,268	33,792	32,439	35,026	34,472	35,180	31,569	35,112	59,124	66,712	25,104	24,128	444,926	26,916
Pukat-Pukat Rentang (Barrier Nets)		711	796	782	824	880	733	655	770	771	1,131	927	1,617	10,597	641
Pukat-Pukat Surung (Push/Scoop Nets)		3,488	3,227	2,718	1,213	221	445	1,012	516	518	1,074	708	773	15,913	963
Memungut Siput (Shellfish Collection)		102,217	70,029	84,432	67,006	66,837	76,337	68,295	76,170	64,854	81,958	88,264	80,906	927,305	56,098
Rampai (Miscellaneous)		2,331	7,808	9,241	2,116	2,997	2,469	2,112	1,446	1,460	849	979	907	34,715	2,100
Jumlah : Pikul (Piculs) (Total) : M. Ton (M. Tonnes)		701,486 42,437	653,584 39,539	765,575 46,314	849,774 51,408	870,616 52,669	829,987 50,211	781,191 47,259	788,997 47,731	816,652 49,404	867,381 52,473	745,429 45,096	667,089 40,357	9,337,761	564,898

1 M. Ton (Metric Tonne) = 16.53 Pikul (Piculs)

PANTAI BARAT-SEMANJUNG MALAYSIA (WEST COAST-PENINSULAR MALAYSIA)
TANGKAPAN IKAN LAUT MENGIKUT BULAN DAN KUMPULAN PERKAKAS - 1978
(Landings of Marine Fish by Month and Gear Group - 1978)

Jadual (Table)
2.8

Kumpulan Perkakas (Gear Groups)	BULAN (MONTH)	Jan. (Jan.)	Feb. (Feb.)	Mach (March)	April (April)	Mei (May)	Jun (June)	Julai (July)	Ogos (Aug.)	Sept. (Sept.)	Okt. (Oct.)	Nov. (Nov.)	Dis. (Dec.)	JUMLAH (TOTAL)	
														Pikul (Piculs)	M. Ton (M. Tonnes)
Pukat-Pukat Tunda (Trawl Nets)		320,648	279,293	302,412	346,275	412,537	357,069	338,706	302,820	334,852	323,456	290,227	281,980	3,890,275	235,347
P.P. Tarik (Seine Nets)	Pukat Jerut (Purse Seines)	34,436	45,469	81,004	128,398	90,001	89,996	66,758	78,369	60,200	84,697	75,382	63,432	898,142	54,334
	Lain-Lain (Other Seines)	17,000	10,914	15,864	16,782	16,519	13,745	20,370	16,817	19,609	28,606	25,749	28,759	230,734	13,959
Pukat-Pukat Hanyut (Drift/Gill Nets)		25,803	22,888	21,477	24,788	23,713	30,520	26,546	36,913	33,363	30,561	25,654	28,098	330,324	19,983
Pukat-Pukat Tangguk (Lift Nets)		173	159	159	114	115	118	111	910	243	147	151	142	2,542	154
Perangkap- Perangkap (Traps)	Belat-Belat (Stationary)	3,340	3,668	3,731	2,690	3,345	5,092	5,686	5,226	6,506	6,842	6,015	5,140	57,281	3,465
	Bubu (Portable)	1,177	1,006	888	1,202	1,248	1,285	1,267	1,502	1,031	1,113	1,484	1,429	14,632	885
Pancing (Lines)		5,293	6,297	5,455	5,188	6,606	5,765	6,777	6,699	5,968	5,430	6,002	7,364	72,844	4,407
Pukat-Pukat Bakul (Bag Nets)		28,431	30,156	28,927	32,319	26,085	27,508	23,598	28,393	27,456	29,238	22,907	23,322	328,340	19,863
Pukat-Pukat Rentang (Barrier Nets)		711	796	782	824	880	733	655	770	771	1,131	927	1,617	10,597	641
Pukat-Pukat Surung (Push/Scoop Nets)		3,431	3,162	2,718	1,113	221	445	1,012	516	518	1,074	698	766	15,674	948
Memungut Siput (Shellfish Collection)		102,217	70,029	84,432	67,006	66,837	76,337	68,295	76,170	64,854	81,958	88,264	80,906	927,305	56,098
Rampaian (Miscellaneous)		2,188	295	408	543	1,163	1,127	1,166	941	831	849	979	907	11,397	690
Jumlah (Total)	Pikul (Piculs) M. Ton (M. Tonnes)	544,848 32,961	474,132 28,683	548,257 33,167	627,242 37,946	649,270 39,278	609,740 36,887	560,947 33,935	556,046 33,639	556,202 33,648	595,102 36,001	544,439 32,937	523,862 31,692	6,790,087	410,774

1 M. Ton (Metric Tonnes) = 16.53 Pikul (Piculs)

PANTAI TIMUR-SEMANJUNG MALAYSIA (EAST COAST-PENINSULAR MALAYSIA)

TANGKAPAN IKAN LAUT MENGIKUT BULAN DAN KUMPULAN PERKAKAS 1978
(Landings of Marine Fish by Month and Gear Group - 1978)

Jadual (Table)
2.9

Kumpulan Perkakas (Gear Group)	BULAN (Month)	Jan. (Jan.)	Feb. (Feb.)	Mach (March)	April (Apr.)	Mei (May)	Jun (June)	Julai (July)	Ogos (Aug.)	Sept. (Sept.)	Okt. (Oct.)	Nov. (Nov.)	Dis. (Dec.)	JUMLAH (TOTAL)	
														Pikul (Piculs)	M. Ton (M. Tonnes)
Pukat-Pukat Tunda (Trawl Nets)		50,952	48,504	62,896	79,737	71,727	70,257	73,529	83,222	66,927	79,046	75,844	58,442	821,083	49,672
P. P. Tarik (Seine Nets)	Pukat Jerut (Purse Seines)	60,520	72,298	93,430	86,248	82,804	81,926	85,787	77,083	98,410	91,136	77,697	56,359	963,698	58,300
	Lain-Lain (Other Seines)	831	1,614	1,782	1,651	1,277	978	368	656	570	264	42	-	10,033	607
Pukat-Pukat Hanyut (Drift/Gill Nets)		6,542	10,718	16,765	18,280	17,197	19,266	14,754	22,935	23,497	24,074	12,988	3,489	190,505	11,525
Pukat Tangguk (Lift Nets)		14,493	15,591	12,540	12,308	17,062	16,832	16,556	19,715	13,685	15,102	10,741	4,912	169,537	10,256
Perangkap (Traps)	Belat-Belat (Stationary)	532	926	649	710	1,138	1,340	1,782	1,689	2,900	1,491	1,079	608	14,844	898
	Bubu (Portable)	4,766	4,182	4,506	4,809	4,677	5,270	4,078	4,671	5,384	5,830	5,666	5,810	59,649	3,609
Pancing (Lines)		13,965	14,405	12,405	14,409	15,243	15,364	14,473	15,756	16,780	17,862	14,726	12,794	178,182	10,779
Pukat-Pukat Bakul (Bag Nets)		3,837	3,636	3,512	2,707	8,387	7,672	7,971	6,719	31,668	37,474	2,197	806	116,586	7,053
Pukat-Pukat Rentang (Barrier Nets)		-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pukat-Pukat Surung (Push/Scoop Nets)		57	65	-	100	-	-	-	-	-	-	10	7	239	15
Memungut Siput (Shellfish Collection)		-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rampaian (Miscellaneous)		143	7,513	8,833	1,573	1,834	1,342	946	605	629	-	-	-	23,318	1,410
Jumlah : Pikul (Piculs) (Total) : M. Ton (M. Tonnes)		156,638 9,476	179,452 10,856	217,318 13,147	222,532 13,462	221,346 13,391	220,247 13,324	220,244 13,324	232,951 14,092	260,450 15,756	272,279 16,472	200,990 12,159	143,227 8,665	2,547,674	154,124

1 M. Ton (Metric Tonne) = 16.53 Pikul (Piculs)

PERLIS
TANGKAPAN IKAN LAUT MENGIKUT BULAN DAN KUMPULAN PERKAKAS 1978
(Landings of Marine Fish by Month and Gear Group - 1978)

Jadual (Table)
2.10 (a)

Kumpulan Perkakas (Gear Group)	Bulan (Month)												JUMLAH (TOTAL)	
	Jan. (Jan.)	Feb. (Feb.)	Mar. (Mar.)	April (Apr.)	Mei. (May)	Jun. (June)	Julai (July)	Ogos. (Aug.)	Sept. (Sept.)	Okt. (Oct.)	Nov. (Nov.)	Dis. (Dec.)	Pikul (Piculs)	M. Ton (M. Tonnes)
Pukat-Pukat Tunda (Trawl Nets)	13,723	14,202	14,385	14,653	14,307	14,133	14,297	14,427	14,605	14,718	14,667	14,716	172,833	10,456
P.P.Tarik (Seine Nets)														
Pukat Jerut (Purse Seines)	5,919	5,918	6,536	8,305	5,360	4,237	3,311	4,281	4,281	3,643	4,180	4,050	60,021	3,631
Lain-Lain (Other Seines)	45	48	51	50	50	54	51	54	61	64	68	64	660	40
Pukat-Pukat Hanyut (Drift/Gill Nets)	366	369	371	380	382	387	378	361	375	403	412	438	4622	280
Pukat-Pukat Tangguk (Lift Nets)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Perangkap Perangkap (Traps)														
Belat-Belat (Stationary)	-	-	-	-	-	-	-	-	-	205	505	517	1227	74
Bubu (Portable)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pancing (lines)	26	30	31	40	53	47	47	43	52	60	68	69	566	34
Pukat-Pukat Bakul (Bag Nets)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pukat-Pukat Rentang (Barrier Nets)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pukat-Pukat Surung (Push/Scoop Nets)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Memungut Siput (Shellfish Collection)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rampaian (Miscellaneous)	48	47	-	41	40	39	39	38	40	45	46	49	472	29
Jumlah Pikul (Piculs) (Total): M. Ton (M. Tonnes)	20,127 1,218	20,614 1,247	21,374 1,293	23,469 1,420	20,192 1,222	18,897 1,143	18,123 1,096	19,204 1,162	19,414 1,174	19,138 1,158	19,946 1,207	19,903 1,204	240,401	14,544

1 M. Ton (Metric Tonne) = 16.53 Pikul (Piculs)

KEDAH
TANGKAPAN IKAN LAUT MENGIKUT BULAN DAN KUMPULAN PERKAKAS - 1978
(Landings of Marine Fish by Month and Gear Group - 1978)

Jadual (Table)
2.10 (b)

Bulan (Month) Kumpulan Perkakas (Gear Group)	Jan. (Jan.)	Feb. (Feb.)	Mar. (Mar.)	April (Apr.)	Mei (May)	Jun (June)	Julai (July)	Ogos (Aug.)	Sept. (Sept.)	Okt. (Oct.)	Nov. (Nov.)	Dis. (Dec.)	JUMLAH (TOTAL)	
													Pikul (Piculs)	M. Ton (M. Tonnes)
Pukat-Pukat Tunda (Trawl Nets)	79,611	83,717	79,633	76,697	75,269	70,642	71,688	72,373	73,098	69,370	69,445	74,061	895,604	54,181
P.P.Tarik (Seine Nets)														
Pukat Jerut (Purse Seines)	12,530	14,030	17,990	20,000	17,537	12,355	12,895	12,500	10,547	9,625	11,637	13,923	165,569	10,016
Lain-Lain (Other Seines)	419	323	309	295	283	255	248	249	256	290	298	295	3,520	213
Pukat-Pukat Hanyut (Drift/Gill Nets)	1,294	1,256	1,375	1,410	1,339	1,279	1,320	1,419	1,339	1,467	1,312	1,380	16,190	979
Pukat-Pukat Tangguk (Lift Nets)	70	76	76	36	45	44	40	60	71	85	105	100	808	49
Perangkap (Traps)														
Belat-Belat (Stationary)	1,347	1,290	1,295	30	34	30	27	23	19	247	699	788	5,829	353
Bubu (Portable)	-	-	-	109	101	106	111	119	140	20	134	141	981	59
Pancing (Lines)	380	419	410	474	437	438	428	398	407	424	448	487	5,150	312
Pukat-Pukat Bakul (Bag Nets)	60	57	63	60	63	56	63	56	48	45	51	52	674	41
Pukat-Pukat Rentang (Barrier Nets)	125	130	149	134	128	126	133	141	143	8	134	139	1,490	90
Pukat-Pukat Surung (Push/scoop Nets)	100	110	120	110	105	102	60	55	50	40	42	40	934	56
Memungut Siput (Shellfish Collection)	-	-	-	300	270	250	200	250	235	240	250	250	2,245	136
Rampaian (Miscellaneous)	-	-	-	8	8	9	10	10	13	15	17	15	105	6
Jumlah Pikul (Piculs) (Total): M. Ton (M. Tonnes)	95,936 5,803	101,408 6,135	101,420 6,135	99,663 6,029	95,619 5,785	85,692 5,184	87,223 5,277	87,653 5,303	86,366 5,225	81,876 4,953	84,572 5,116	91,671 5,546	1,099,099	66,491

1 M. Ton (Metric Tonne) = 16.53 Pikul (Piculs)

PULAU PINANG

TANGKAPAN IKAN LAUT MENGIKUT BULAN DAN KUMPULAN PERKAKAS - 1978

(Landings of Marine Fish by Month and Gear Group - 1978)

Jadual (Table)

2.10 (c)

Kumpulan Perkakas (Gear Group)	Bulan (Month)												JUMLAH (TOTAL)	
	Jan. (Jan.)	Feb. (Feb.)	Mar. (Mar.)	April (Apr.)	Mei (May)	Jun (June)	Julai (July)	Ogos (Aug.)	Sept. (Sept.)	Okt. (Oct.)	Nov. (Nov.)	Dis. (Dec.)	Pikul (Piculs)	M. Ton (M. Tonnes)
Pukat-Pukat Tunda (Trawl Nets)	9,391	4,316	6,339	5,225	4,319	4,242	4,129	3,930	3,564	4,003	3,591	5,316	58,365	3,531
P.P.Trarik (Seine Nets) Pukat Jerut (Purse Seines)	2,208	1,468	8,162	12,128	7,434	9,917	4,679	12,591	6,078	7,263	3,530	2,800	78,258	4,735
Lain-Lain (Other Seines)	6,587	1,754	2,436	1,901	1,803	993	1,316	1,898	4,371	5,449	4,916	5,172	38,596	2,335
Pukat-Pukat Hanyut (Drift/Gill Nets)	5,400	3,389	4,268	3,436	2,582	1,401	4,193	5,630	4,171	5,542	5,253	6,264	51,529	3,117
Pukat-Pukat Tangguk (Lift Net)	-	-	-	-	-	-	-	-	123	-	-	-	123	7
Perangkap (Traps) Belat-Belat (Stationary)	-	208	347	-	-	-	-	-	-	-	-	-	555	34
Bubu (Portable)	130	108	86	282	289	241	178	641	170	270	560	189	3,144	190
Pancing (Lines)	246	282	316	304	236	252	144	108	133	164	134	98	2,417	146
Pukat-Pukat Bakul (Bag Nets)	3,764	3,336	2,962	2,255	383	553	1,589	3,984	5,676	5,654	3,199	4,139	37,494	2,268
Pukat-Pukat Rentang (Barrier Nets)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pukat-Pukat Surung (Push/Scoop Nets)	2,940	2,934	2,447	804	-	8	817	380	277	852	557	594	12,610	763
Memungut Siput (Shellfish Collection)	3,106	1,809	16,319	5,475	5,098	5,281	7,592	8,901	8,730	11,100	9,240	4,900	87,551	5,296
Rampaian (Miscellaneous)	1,125	29	9	30	69	118	127	-	-	44	27	70	1,648	100
Jumlah Pikul (Piculs) (Total): M. Ton (M. Tonnes)	34,897 2,111	19,633 1,188	43,691 2,643	31,840 1,926	22,213 1,344	23,006 1,392	24,764 1,498	38,063 2,303	33,293 2,014	40,341 2,440	31,007 1,876	29,542 1,787	372,290	22,522

1 M. Ton (Metric Tonne) = 16.53 Pikul (Piculs)

PERAK
TANGKAPAN IKAN LAUT MENGIKUT BULAN DAN KUMPULAN PERKAKAS - 1978
(Landings of Marine Fish by Month and Gear Group - 1978)

Jadual (Table)
2.10 (d)

Kumpulan Perkakas (Gear Group)	Bulan (Month)												JUMLAH (TOTAL)	
	Jan. (Jan.)	Feb. (Feb.)	Mar. (Mar.)	April (Apr.)	Mei (May)	Jun (June)	Julai (July)	Ogos (Aug.)	Sept. (Sept.)	Okt. (Oct.)	Nov. (Nov.)	Dis. (Dec.)	Pikul (Piculs)	M. Ton (M. Tonnes)
Pukat-Pukat Tunda (Trawl Nets)	98,750	64,705	80,609	107,753	188,826	139,235	130,770	100,644	130,213	129,455	96,673	85,270	1352,903	81,845
P.P.Tarik (Seine Nets) Pukat Jerut (Purse Seines)	9,423	19,629	44,238	82,840	52,895	58,037	40,418	44,429	35,719	60,356	52,205	39,554	539,743	32,652
Lain-Lain (Other Seines)	9,194	7,842	12,367	13,688	13,802	11,767	18,045	12,855	14,294	22,315	19,920	22,454	178,543	10,801
Pukat-Pukat Hanyut (Drift/Gill Nets)	8,935	8,124	4,908	8,777	8,334	16,598	10,023	19,499	16,881	13,662	9,491	10,011	135,243	8,182
Pukat-Pukat Tangguk (Lift Nets)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ferangkap (Traps) Belat-Belat (Stationary)	139	339	334	827	1,469	3,111	2,774	2,986	4,390	4,220	2,869	2,299	25,757	1,558
Bubu (Portable)	703	563	505	532	654	684	717	525	581	553	517	520	7,054	427
Pancing (Lines)	1,438	2,223	1,522	1,472	2,887	1,788	3,301	2,302	2,252	1,720	1,881	1,939	24,725	1,496
Pukat-Pukat Bakul (Bag Nets)	7,742	3,240	3,038	5,625	2,020	3,925	394	3,820	2,125	3,530	1,982	1,673	39,114	2,366
Pukat-Pukat Rentang (Barrier Nets)	-	-	-	-	-	-	-	-	-	106	97	92	295	18
Pukat-Pukat Surung (Push/Scoop Nets)	312	31	62	105	34	259	50	-	97	99	10	46	1,105	67
Memungut Siput (Shellfish Collection)	95,761	64,532	63,905	56,618	56,377	64,981	52,965	61,139	51,034	66,298	72,370	71,371	777,351	47,027
Rampaian (Miscellaneous)	884	93	229	274	181	156	265	270	218	245	359	234	3,408	206
Jumlah Pikul (Piculs) (Total): M. Ton (M. Tonnes)	233,281 14,112	171,321 10,364	211,717 12,808	278,511 16,849	327,479 19,811	300,541 18,182	259,722 15,712	248,469 15,031	257,804 15,596	302,559 18,304	258,374 15,631	235,463 14,245	3,085,241	186,645

1 M. Ton (Metric Tonne) = 16.53 Pikul (Piculs)

SELANGOR
TANGKAPAN IKAN LAUT MENGIKUT BULAN DAN KUMPULAN PERKAKAS - 1978
(Landings of Marine Fish by Month and Gear Group - 1978)

Jadual (Table)
2.10 (e)

Kumpulan Perkakas (Gear Group)	Bulan (Month)	Jan. (Jan.)	Feb. (Feb.)	Mar. (Mar.)	April (Apr.)	Mei (May)	Jun (June)	Julai (July)	Ogos (Aug.)	Sept. (Sept.)	Okt. (Oct.)	Nov. (Nov.)	Dis. (Dec.)	JUMLAH (TOTAL)	
														Pikul (Piculs)	M. Ton (M. Tonnes)
Pukat-Pukat Tunda (Trawl Nets)		110,587	105,613	113,624	132,376	121,940	122,095	111,654	106,033	108,894	100,705	100,822	96,909	1331,252	80,536
P.P.Tarik (Seine Nets)	Pukat Jerut (Purse Seines)	4,356	4,424	4,078	5,125	6,775	5,450	5,455	4,568	3,575	3,810	3,830	3,105	54,551	3,300
	Lain-Lain (Other Seines)	168	173	159	153	133	115	107	32	86	67	62	60	1,315	80
Pukat-Pukat Hanyut (Drift/Gill Nets)		3,665	3,796	3,641	3,558	3,633	3,518	3,209	3,344	2,791	2,883	2,586	2,423	39,047	2,362
Pukat-Pukat Tangguk (Lift Nets)		69	72	76	78	70	74	71	850	49	62	46	42	1,559	94
Perangkap Perangkap (Traps)	Belat-Belat (Stationary)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Bubu (Portable)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pancing(Lines)		2,058	2,003	2,030	1,937	1,949	1,783	1,730	1,494	1,533	1,557	1,441	1,405	20,920	1,266
Pukat-Pukat Bakul (Bag Nets)		16,786	22,848	22,827	22,195	21,076	20,561	19,851	18,351	17,749	18,020	17,053	16,852	234,169	14,166
Pukat-Pukat Rentang (Barrier Nets)		296	296	323	354	375	410	419	370	328	350	285	332	4,138	250
Pukat-Pukat Surung (Push/Scoop Nets)		-	-	-	-	-	-	-	-	-	-	-	-	-	-
Memungut Siput (Shellfish Collection)		2,600	2,823	3,174	3,253	3,322	3,785	3,454	3,600	3,250	2,670	2,998	3,235	38,164	2,309
Rampaian (Miscellaneous)		125	120	160	180	855	795	715	615	550	490	520	525	5,650	342
Jumlah Pikul (Piculs) (Total): M. Ton (M. Tonnes)		140,710 8,512	142,168 8,601	150,092 9,080	169,209 10,236	160,128 9,687	158,586 9,594	146,665 8,873	139,257 8,425	138,805 8,397	130,614 7,902	129,643 7,843	124,888 7,555	1,730,765	104,705

1 M. Ton (Metric Tonne) = 16.53 Pikul (Piculs)

NEGERI SEMBILAN
TANGKAPAN IKAN LAUT MENGIKUT BULAN DAN KUMPULAN PERKAKAS - 1978
(Landings of Marine Fish by Month and Gear Group - 1978)

Jadual (Table)
2.10 (f)

Kumpulan Perkakas (Gear Group)	Bulan (Month)	Jan. (Jan.)	Feb. (Feb.)	March (Mar.)	April (Apr.)	Mei (May)	Jun (June)	Julai (July)	Ogos (Aug.)	Sept. (Sept.)	Okt. (Oct.)	Nov. (Nov.)	Dis. (Dec.)	JUMLAH (TOTAL)	
														Pikul (Piculs)	M. Ton (M. Tonnes)
Pukat-Pukat Tunda (Trawl Nets)		-	-	-	-	-	-	-	-	-	-	-	-	-	-
P.P. Tarik (Seine Nets)	Pukat Jerut (Purse Seines)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Lain-Lain (Other Seines)	24	32	62	47	61	42	52	62	52	58	63	84	639	39
Pukat-Pukat Hanyut (Drift/Gill Nets)		374	414	544	554	615	451	458	400	325	241	336	312	5,024	304
Pukat-Pukat Tangguk (Lift Nets)		-	-	-	-	-	-	-	-	-	-	-	-	-	-
Perangkap Perangkap (Traps)	Belat-Belat (Stationary)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Bubu (Portable)	14	18	26	26	37	29	19	24	22	23	23	27	288	17
Pancing (Lines)		81	98	113	84	114	85	79	57	52	70	78	113	1,024	62
Pukat-Pukat Bakul (Bag Nets)		-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pukat-Pukat Rentang (Barrier Nets)		-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pukat-Pukat Surung (Push/Scoop Nets)		-	-	-	-	-	-	-	-	-	-	-	-	-	-
Memungut Siput (Shellfish Collection)		-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rampaian (Miscellaneous)		-	-	-	-	-	-	-	-	-	-	-	4	-	-
Jumlah Pikul (Piculs) (Total): M. Ton (M. Tonnes)		493 30	562 34	745 45	711 43	827 50	607 37	608 37	543 33	451 27	392 24	500 30	540 32	6,979	422

MELAKA
TANGKAPAN IKAN LAUT MENGIKUT BULAN DAN KUMPULAN PERKAKAS - 1978
(Landings of Marine Fish by Month and Gear Group - 1978)

Jadual (Table)
2.10 (g)

Kumpulan Perkakas (Gear Group)	Bulan (Month)	Jan. (Jan.)	Feb. (Feb.)	Mar. (Mar.)	April (Apr.)	Mei (May)	Jun (June)	Julai (July)	Ogos (Aug.)	Sept. (Sept.)	Okt. (Oct.)	Nov. (Nov.)	Dis. (Dec.)	JUMLAH (TOTAL)	
														Pikul (Piculs)	M. Ton (M. Tonnes)
Pukat-Pukat Tunda (Trawl Nets)		-	-	-	-	-	-	-	-	-	-	-	-	-	-
P.P.Tarik (Seine Nets)	Pukat Jerut (Purse Nets)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Lain-Lain (Other Seines)	73	75	79	85	32	80	88	84	87	87	96	103	1019	62
Pukat-Pukat Hanyut (Drift/Gill Nets)		1,327	1307	1,350	1,396	1,537	1,497	1,606	1,553	1,611	1,589	1,682	1,662	18,117	1,096
Pukat-Pukat Tangguk (Lift Nets)		-	-	-	-	-	-	-	-	-	-	-	-	-	-
Perangkap Perangkap (Traps)	Belat-Belat (Stationary)	144	146	150	156	153	150	158	149	152	149	154	158	1819	110
	Bubu (Portable)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pancing (Lines)		392	397	408	418	423	421	458	463	526	532	578	581	5597	338
Pukat-Pukat Bakul (Bag Nets)		-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pukat-Pukat Rentang (Barrier Nets)		46	49	52	53	52	50	57	53	57	54	57	61	641	39
Pukat-Pukat Surung (Push/Scoop Nets)		37	41	45	50	46	44	49	43	47	46	49	48	545	33
Memungut Siput (Shellfish Collection)		750	745	890	960	1,120	1,140	1,145	1,140	1,155	1,150	1,160	1,150	12,505	756
Rampaian (Miscellaneous)		6	6	10	10	10	10	10	8	10	10	10	10	110	7
Jumlah Pikul (Piculs) (Total): M. Ton (M. Tonnes)		2,775 168	2,766 167	2,984 181	3,128 189	3,423 207	3,392 205	3,571 216	3,493 211	3,645 221	3,617 219	3,786 229	3,773 228	40,353	2,441

1 M. Ton (Metric Tonne) = 16.53 Pikul (Piculs)

JOHORE BARAT (WEST JOHORE)
TANGKAPAN IKAN LAUT MENGIKUT BULAN DAN KUMPULAN PERKAKAS - 1978
(Landings of Marine Fish by Month and Gear Group - 1978)

Jadual (Table)
2.10 (h)

Kumpulan Perkakas (Gear Group)	Bulan (Month)	Jan. (Jan.)	Feb. (Feb.)	Mar. (Mar.)	April (Apr.)	Mei (May)	Jun (June)	Julai (July)	Ogos (Aug.)	Sept. (Sept.)	Okt. (Oct.)	Nov. (Nov.)	Dis. (Dec.)	JUMLAH (TOTAL)	
														Pikul (Piculs)	M. Ton (M. Tonnes)
Pukat-Pukat Tunda (Trawl Nets)		8,586	6,740	7,822	9,571	7,876	6,722	6,168	5,413	4,478	5,205	5,029	5,708	79,318	4,798
P.P.Tarik (Seine Nets)	Pukat Jerut (Purse Seines)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Lain-Lain (Other Seines)	490	667	401	563	305	439	463	1,583	402	276	326	527	6,442	390
Pukat-Pukat Hanyut (Drift/Gill Nets)		4,442	4,233	5,020	5,277	5,291	5,389	5,359	4,707	5,870	4,774	4,582	5,608	60,552	3,663
Pukat-Pukat Tangguk (Lift Nets)		34	11	7	-	-	-	-	-	-	-	-	-	52	3
Perangkap Perangkap (Traps)	Belat-Belat (Stationary)	1,710	1,685	1,605	1,677	1,689	1,801	2,727	2,068	1,945	2,021	1,788	1,378	22,094	1,337
	Bubu (Portable)	330	317	271	253	167	225	242	193	118	247	250	552	3,165	191
Pancing (Lines)		672	845	625	459	507	951	590	1,834	1,013	903	1,374	2,672	12,445	753
Pukat-Pukat Bakul (Bag Nets)		79	675	37	2,184	2,543	2,413	1,701	2,182	1,858	1,989	622	606	16,889	1,022
Pukat-Pukat Rentang (Barrier Nets)		244	321	258	283	325	147	46	206	243	613	354	993	4,033	244
Pukat-Pukat Surung (Push/Scoop Nets)		42	46	44	44	36	32	36	38	47	37	40	38	480	29
Memungut Siput (Shellfish Collection)		-	120	144	400	650	900	2,939	1,140	450	500	2,246	-	9,489	574
Rampaian (Miscellaneous)		-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jumlah Pikul (Piculs) (Total): M. Ton (M. Tonnes)		16,629 1,006	15,660 947	16,234 982	20,711 1,253	19,389 1,173	19,019 1,150	20,271 1,227	19,364 1,171	16,424 994	16,565 1,002	16,611 1,005	18,082 1,094	214,959	13,004

1 M. Ton (Metric Tonne) = 16.53 Pikul (Piculs)

KELANTAN
TANGKAPAN IKAN LAUT MENGIKUT BULAN DAN KUMPULAN PERKAKAS - 1978
(Landings of Marine Fish by Month and Gear Group - 1978)

Jadual (Table)
2.10 (i)

Kumpulan Perkakas (Gear Group)	Bulan (Month)	Jan. (Jan.)	Feb. (Feb.)	Mar. (Mar.)	April (Apr.)	Mei (May)	Jun (June)	Julai (July)	Ogos (Aug.)	Sept. (Sept.)	Okt. (Oct.)	Nov. (Nov.)	Dis. (Dec.)	JUMLAH (TOTAL)	
														Pikul (Piculs)	M. Ton (M. Tonnes)
Pukat-Pukat Tunda (Trawl Nets)		1,698	2,362	2,508	2,362	1,732	1,592	1,568	2,425	2,844	2,929	1,554	600	24,174	1,462
P.P. Tarik (Seine Nets)	Pukat Jerut (Purse Seines)	9,100	10,000	14,049	14,939	12,385	12,378	12,950	15,385	15,822	16,213	7,694	2,674	143,589	8,687
	Lain-Lain (Other Seines)	-	-	60	55	54	52	33	374	118	68	42	-	856	52
Pukat-Pukat Hanyut (Drift/Gill Nets)		1,063	1,611	2,385	1,178	878	1,954	812	1,604	1,274	1,420	999	450	15,628	945
Pukat-Pukat Tangguk (Lift Nets)		1,033	998	923	598	611	905	4,925	9,187	5,263	3,945	2,255	120	30,763	1,861
Perangkap Perangkap (Traps)	Belat-Belat (Stationary)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Bubu (Portable)	700	610	652	656	234	166	115	195	302	357	196	36	4,219	255
Pancing (Lines)		200	250	333	587	218	285	212	242	413	450	201	60	3,451	209
Pukat-Pukat Bakul (Bag Nets)		-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pukat-Pukat Rentang (Barrier Nets)		-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pukat-Pukat Surung (Push/Scoop Nets)		-	-	-	100	-	-	-	-	-	-	10	7	117	7
Memungut Siput (Shellfish Collection)		-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rampaian (Miscellaneous)		75	7,500	8,000	630	250	210	105	-	-	-	-	-	16,770	1,015
Jumlah Pikul (Piculs) (Total) M. Ton (M. Tonnes)		13,869 839	23,331 1,411	28,910 1,749	21,105 1,277	16,362 990	17,542 1,061	20,720 1,253	29,412 1,779	26,036 1,575	25,382 1,536	12,951 784	3,947 239	239,567	14,493

1 M. Ton (Metric Tonne) = 16.53 Pikul (Piculs)

TRENGGANU

TANGKAPAN IKAN LAUT MENGIKUT BULAN DAN KUMPULAN PERKAKAS - 1978

(Landings of Marine Fish by Month and Gear Group - 1978)

Jadual (Table)

2.10 (j)

Kumpulan Perkakas (Gear Group)	Bulan (Month)	Jan. (Jan.)	Feb. (Feb.)	Mar. (Mar.)	April (Apr.)	Mei (May)	Jun (June)	Julai (July)	Ogos (Aug.)	Sept. (Sept.)	Okt. (Oct.)	Nov. (Nov.)	Dis. (Dec.)	JUMLAH (TOTAL)	
														Pikul (Piculs)	M. Ton (M. Tonnes)
Pukat-Pukat Tunda (Trawl Nets)		26,428	28,537	15,608	32,176	23,675	27,176	19,441	20,358	22,390	24,599	28,073	31,969	300,430	18,175
P.P.Tarik (Seine Nets)	Pukat Jerut (Purse Seines)	38,391	46,123	59,875	52,786	46,920	47,034	45,671	40,563	55,151	51,772	40,865	39,960	565,111	34,187
	Lain-Lain (Other Seines)	794	1,444	1,612	1,453	783	608	165	140	260	-	-	-	7,259	439
Pukat-Pukat Hanyut (Drift/Gill Nets)		5,111	7,564	8,521	11,828	10,940	11,991	11,712	12,422	11,253	9,998	4,525	3,039	108,904	6,588
Pukat-Pukat Tangguk (Lift Nets)		5,308	5,206	6,466	7,001	8,006	8,518	6,031	6,505	6,718	5,930	3,883	2,570	72,142	4,364
Perangkap Perangkap (Traps)	Belat-Belat (Stationary)	-	300	-	-	-	-	-	-	-	-	-	-	300	18
	Bubu (Portable)	3,594	3,055	2,881	2,867	3,026	3,557	2,786	3,206	3,652	4,394	4,802	5,292	43,112	2,608
Pancing (Lines)		11,823	12,099	10,003	11,656	12,814	12,751	11,950	12,322	13,025	12,652	11,286	9,823	142,204	8,603
Pukat-Pukat Bakul (Bag Nets)		-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pukat-Pukat Rentang (Barrier Nets)		-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pukat-Pukat Surung (Push/Scoop Nets)		-	-	-	-	-	-	-	-	-	-	-	-	-	-
Memungut Siput (Shellfish Collection)		-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rampaian (Miscellaneous)		-	-	810	910	1,530	990	715	480	629	-	-	-	6,064	367
Jumlah Pikul (Piculs) (Total): M. Ton (M. Tonnes)		91,449 5,532	104,328 6,312	105,776 6,399	120,677 7,300	107,694 6,515	112,625 6,813	98,471 5,957	95,996 5,807	113,078 6,841	109,345 6,615	93,434 5,653	92,653 5,605	1,245,526	75,349

1 M. Ton (Metric Tonne) = 16.53 Pikul (Piculs)

PAHANG
TANGKAPAN IKAN LAUT MENGIKUT BULAN DAN KUMPULAN PERKAKAS - 1978
(Landings of Marine Fish by Month and Gear Group - 1978)

Jadual (Table)
2.10 (k)

Kumpulan Perkakas (Gear Group)	Bulan (Month)												JUMLAH (TOTAL)	
	Jan. (Jan.)	Feb. (Feb.)	Mar. (Mar.)	April (Apr.)	Mei (May)	Jun (June)	Julai (July)	Ogos (Aug.)	Sept. (Sept.)	Okt. (Oct.)	Nov. (Nov.)	Dis. (Dec.)	Pikul (Piculs)	M. Ton (M. Tonnes)
Pukat-Pukat Tunda (Trawl Nets)	11,461	5,585	12,241	12,468	16,220	14,254	12,947	11,696	13,424	14,619	17,237	12,815	154,967	9,375
P.P. Tarik (Seine Nets) Pukat Jerut (Purse Seines)	3,019	3,877	5,750	7,501	7,093	7,055	7,658	7,532	8,073	8,220	4,869	1,400	72,047	4,359
Lain-Lain (Other Seines)	-	76	53	117	138	63	132	142	192	196	-	-	1,109	67
Pukat-Pukat Hanyut (Drift/Gill Nets)	125	520	603	688	501	543	462	592	702	649	106	-	5,491	332
Pukat-Pukat Tangguk (Lift Nets)	721	892	1,028	1,687	1,302	1,673	1,147	869	1,584	1,665	1,647	776	14,991	907
Perangkap Perangkap (Traps) Belat-Belat (Stationary)	-	-	4	105	160	195	200	90	80	48	-	-	882	53
Bubu (Portable)	422	417	691	987	1,020	1,193	1,021	1,150	1,300	1,003	491	302	9,997	605
Pancing (Lines)	719	566	571	704	812	946	1,156	898	1,234	910	896	614	10,026	606
Pukat-Pukat Bakul (Bag Nets)	-	-	110	20	17	14	10	17	15	12	-	-	215	13
Pukat-Pukat Rentang (Barrier Nets)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pukat-Pukat Surung (Push/Scoop Nets)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mewungut Siput (Shellfish Collection)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rampaian (Miscellaneous)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jumlah Pikul (Piculs) (Total): M. Ton (M. Tonnes)	16,467 996	11,933 722	21,051 1,274	24,277 1,469	27,263 1,649	25,936 1,569	24,733 1,496	22,986 1,391	26,604 1,609	27,322 1,653	25,246 1,527	15,907 962	269,725	16,317

1 M. Ton (Metric Tonne) = 16.53 Pikul (Piculs)

JOHORE TIMUR (JOHORE EAST)
TANGKAPAN IKAN LAUT MENGIKUT BULAN DAN KUMPULAN PERKAKAS - 1978
(Landings of Marine Fish by Month and Gear Group - 1978)

Jadual (Table)
2.10 (1)

Kumpulan Perkakas (Gear Group)	Bulan (Month)	Jan. (Jan.)	Feb. (Feb.)	Mar. (Mar.)	April (Apr.)	Mei (May)	Jun (June)	Julai (July)	Ogos (Aug.)	Sept. (Sept.)	Okt. (Oct.)	Nov. (Nov.)	Dis. (Dec.)	JUMLAH (TOTAL)	
														Pikul (Piculs)	M. Ton (M. Tonnes)
Pukat-Pukat Tunda (Trawl Nets)		11,365	12,020	32,539	32,731	30,100	27,235	39,573	48,743	28,269	36,899	28,980	13,058	341,512	20,660
P.P. Tarik (Seine Nets)	Pukat Jerut (Purse Seines)	10,010	12,298	13,756	11,022	16,406	15,459	19,508	13,603	19,364	14,931	24,269	12,325	182,951	11,068
	Lain-Lain (Other Seines)	37	94	57	26	302	255	38	-	-	-	-	-	809	49
Pukat-Pukat Hanyut (Drift/Gill Nets)		243	1,023	5,256	4,586	4,878	4,778	1,768	8,317	10,268	12,007	7,358	-	60,482	3,659
Pukat-Pukat Tangguk (Lift Nets)		7,431	8,495	4,123	3,022	7,143	5,736	4,453	3,154	120	3,562	2,956	1,446	51,641	3,124
Perangkap Perangkap (Traps)	Belat-Belat (Stationary)	532	626	645	605	978	1,145	1,582	1,599	2,820	1,443	1,079	608	13,662	827
	Bubu (Portable)	50	100	282	299	397	354	156	120	130	76	177	180	2,321	141
Pancing (Lines)		1,223	1,490	1,498	1,462	1,399	1,382	1,155	2,294	2,108	3,850	2,343	2,297	22,501	1,361
Pukat-Pukat Bakul (Bag Nets)		3,837	3,636	3,402	2,687	8,370	7,658	7,961	6,702	31,653	37,462	2,197	806	116,371	7,040
Pukat-Pukat Rentang (Barrier Nets)		-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pukat-Pukat Surung (Push/Scoop Nets)		57	65	-	-	-	-	-	-	-	-	-	-	122	7
Memungut Siput (Shellfish Collection)		-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rampaian (Miscellaneous)		68	13	23	33	54	142	126	25	-	-	-	-	484	29
Jumlah Pikul (Piculs) (Total): M. Ton (M. Tonnes)		34,853 2,109	39,860 2,411	61,581 3,725	56,473 3,416	70,027 4,236	64,144 3,881	76,320 4,617	84,557 5,115	94,732 5,731	110,230 6,669	69,359 4,196	30,720 1,859	792,856	47,965

1 M. Ton (Metric Tonne) = 16.53 Pikul (Piculs)

**KUMPULAN TARAF PERANGKAAAN BAGI IKAN-
IKAN LAUT PERDAGANGAN MALAYSIA
(STANDARD STATISTICAL CLASSIFICATION
OF MALAYSIAN COMMERCIAL MARINE FISHES)**

ISSCAAP		Local Name	English Name	Scientif Name
DIVISION	GROUP			
DIADROMOUS	24. SHADS, MILKFISHES, ETC.	Kebasi/Selangat Puput Beliat Mata	Gizzard shad Shad Slender shad	Anodontosoma chacunda Pellona spp. Ilisha elongata
	25. MISCELLANEOUS	Siakap	Sea perch, cock-up	Lates calcarifer
MARINE FISHES	31 FLOUNDERS, HALIBUTS, SOLES	Lidah Sebelah	Tongue sole Flatfish	Cynoglossus spp. Pseudorhombus spp.
	33. REDFISHES, BASSESS, CONGERS, ETC.	Bayan Biji Nangka Daun Baharu Delah Dengkis/Debam Duri/Pulutan/Utek Gelama/Tengkerong Gerut-Gerut Jenahak Kaci Kerapu Kerisi Kerisi bali Kikek Malong Merah Mengkerong/Ubi/Conor Remong/Kunyit-Kunyit Semilang Shrumbu/Lemah Puntung Damar/ Bulus-bulus Pasir-Pasir/Timun- Timun/Puyu Laut	Parrotfish Red Mullet Spotted batfish Fusilier Rabbitfish Marine catfishes Jewfish Grunter Red snapper Sweetlip Grouper Threadfin bream Sharptoothed bass Ponyfish Conger eel Red snapper Grunters Snappers Catfish eel Whitefish Whittings Monocle breams	Callyodon spp./Thalassoma spp. Upeneus spp. Drepane punctata Caesio erythrogaster Siganus spp. Tachysurus spp./Arius spp. Sciaena spp./Johnius spp. Pomadasys spp. Lutianus Argentimaculatus Spiloticthythys pictus Epinephelus spp./Plectropomus spp. Nemipterus spp. Pristipomoides typus Leiognathus spp./Gazza spp. Muraenesox spp. Lutianus spp. Sauride spp. Lutianus spp. Plotosus spp. Lactarius lactarius Sillago sihama/S.Maculuta Scolopsis spp.
	34. JACKS, MULLET, SAURIES, ETC.	Alu-Alu/Kacang-Kacang Aruan tasek Bawal hitam Bawal putih Bawal tambak Belanak/Kedera Cermin/Gerong- Cerong Cincaru	Barracudas Black Kingfish Black pomfret White pomfret Chinese pomfret Mulletts Golden trevally Hardtail scad	Sphyrna spp. Rachycentron canadus Parastromateus niger Pampus argenteus Pampus chinensis Mugil spp. Alectis indica/ Caranx spp. Megalaspis cordyla

ISSCAAP		Local Name	English Name	Scientific Name
DIVISION	GROUP			
	34. JACKS MULLETS SAURIES ETC	Demudok Kurau/Senangin/ Senohong Pelata Selar Selar Kuning/ Lolong Selayang/Curut Talang Pisang Pisang Rambai	Horse mackerel; travelly Threadfin Scad Selar scad Goldbanded scad Round Scad Queenfish, leatherskin, leatherjacket Rainbow runner Horse mackerel, trevally	Caranx spp. Polynemus spp. Caranx spp. Selar spp. <i>Selaroides leptolepis</i> Decapterus russelli Chorinemus spp. <i>Elagatis bipinnulatus</i> Carangoides spp.
	35. HERRINGS, SARDINES, ANCHOVIES, ETC.	Bills Bulan Parang Parang Tamban Terubok	Anchovies Tarpon Wolf herring Sardine Longtail shad	<i>Stolephorus</i> spp./ <i>Anchoviella</i> spp. Megalops cyprinoides <i>Chirocentrus dorab</i> <i>Clupes</i> spp./ <i>Sardinella</i> spp. <i>Clupea macrura</i>
	36. TUNAS, BONITOS, BILLFISHES, ETC	Aya/Kayu/ Tongkol Layaran/Mersuji	Bonito/Eastern little tuna/ Longtail tuna Sailfish/Black Marlin	<i>Euthynnus</i> spp./ <i>Thunnus</i> spp. <i>Makaira</i> spp./ <i>Istiophorus</i> spp.
	37. MACKERELS, SNOEKS, CUTLASS FISHES, ETC.	Kembong/Temenong Tenggiri Timah/Layor/ Selayor	Indian mackerel Spanish mackerel Ribbonfish	<i>Rastrelliger kanagurta</i> / <i>R. neglectus</i> <i>Scomberomorus</i> spp. <i>Trichiurus</i> spp.

Sambungan (Continued)

ISSCAAP		Local Name	English Name	Scientific Name
DIVISION	GROUP			
	38. SHARKS, RAYS, CHIMAERAS, ETC.	Pari Yu	Ray Shark	Dasyatis spp./Gymnura spp. Galeorhinidae
	39. MISCEL- LANEOUS MARINE FISHES	Ikan Baja Ikan Campur Jebong	Trashfish Miscellaneous Fishes Triggerfish	Mixed spp. Abalistes Stellaris
CRUSTACEANS	42. SEASPIDERS, CRABS, ETC.	Ketam Laut Ketam Batu	Swimming (Blue) Crabs Mangrove Crabs	Portunus Pelagicus Scylla Serrata
	43. LOBSTERS, SPINY-ROCK LOBSTERS, ETC.	Udang Karang Udang Lobak	Spiny Lobster Slipper Lobster	Panulirus Polyhagus Thenus orientalis
	45. SHRIMPS, PRAWNS, ETC.	Udang Udang Baring	Prawns Tiny Shrimps	Penaeus spp./Metapenaeus spp. Acetes spp.
MOLLUSCS	56. CLAMS, COCKLES, ARKSHELLS, ETC.	Kerang Siput	Arkshells/Blood Cockles Clams, Mussels Marine snails	Anadara granosa Gastropods/bivalves
	57. SQUIDS, CUTTLESHES, OCTOPUSES, ETC.	Cumit-Cumit Sotong Octopus	Squids Cuttlefishes Octopus	Loliginidae Sepiidae Suborder Incirrate

SEMANJUNG MALAYSIA (PENINSULAR MALAYSIA)
TANGKAPAN IKAN LAUT MENGIKUT NEGERI DAN JENIS IKAN – 1978
(Landings of Marine Fish by State and Type of Fish – 1978)

Jadual (Table)
2.11

ISSCAAP GROUP NO.	JENIS IKAN (TYPE OF FISH)	Pantai Barat (West Coast)								Jumlah Kecil (Sub- Total)	Pantai Timur (East Coast)				Jumlah Kecil (Sub- Total)	Jumlah (Total)	
		Perlis	Kedah	Pulau Pinang	Perak	Selangor	Negeri Sembilan	Melaka	Johor Barat (J. West)		Kelantan	Trengganu	Pahang	Johor Timur (J. East)		Pikul (Piculs)	M. Ton (Metric Tonnes)
24	Kebasi/Selangat	659	546	1,988	23,088	1,062	259	630	857	29,089	215	—	738	1,411	2,364	31,453	1,903
	Puput/Beliat Mata/Tirok	—	—	484	—	9,849	—	—	1,717	12,050	—	62	—	1,441	1,503	13,553	820
25	Siakap	—	51	—	1,822	57	58	—	97	2,085	14	139	—	194	347	2,432	147
31	Lidah/Sebelah	1,146	7,596	859	14,382	25,661	—	—	403	50,047	157	3,443	183	1,097	4,880	54,927	3,322
33	Bayan	—	—	39	—	—	—	—	—	39	—	132	291	241	664	703	42
	Blji Nangka	—	2,694	1,173	20,542	6,987	—	—	—	31,396	875	12,592	831	4,529	18,827	50,223	3,038
	Daun Baharu	—	862	382	903	271	—	—	—	2,418	133	1,875	262	383	2,653	5,071	307
	Delah	—	—	35	3,805	—	—	—	—	3,840	—	623	311	348	1,282	5,122	310
	Duri/Pulutan/Utik	—	2,897	2,493	22,184	15,146	111	2,438	4,866	50,135	361	13,620	1,456	11,806	27,243	77,378	4,681
	Dengkis/Debam	—	—	—	—	—	—	—	22	22	31	4,428	1,015	4,153	9,627	9,649	584
	Gelama/Tengkerong	8,364	13,720	7,051	26,717	41,437	162	—	7,043	104,494	2,178	12,476	2,846	18,246	35,746	140,240	8,484
	Gerut-Gerut	311	2,337	763	10,505	13,527	—	—	54	27,497	588	1,863	336	94	2,881	30,378	1,838
	Jenahak	72	2,542	677	9,466	2,932	232	1,197	1,516	18,634	161	561	210	346	1,278	19,912	1,205
	Kachi	—	418	37	8,415	315	—	—	214	9,399	—	2,761	706	1,841	5,308	14,707	890
	Kerapu	131	3,527	1,354	15,516	5,565	122	522	739	27,476	1,659	10,564	1,540	1,501	15,264	42,740	2,586
	Kerisi	150	18,052	1,160	38,223	23,696	—	—	35	81,316	2,541	58,507	6,164	27,609	94,821	176,137	10,656
	Kerisi Bali	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Kikek	—	169	714	1,880	886	—	—	142	3,791	705	10,591	95	3,621	15,012	18,803	1,138
	Malong	—	834	528	7,910	19,598	32	120	4,257	33,279	48	73	—	1,206	1,327	34,606	2,094
	Merah	—	6	2,239	17,257	8,394	208	106	2,550	30,760	1,589	20,279	353	2,917	25,138	55,898	3,382
	Mengkerong/Conor/Ubi2	—	38,006	433	39,314	15,628	—	—	—	93,381	294	1,371	1,024	729	3,418	96,799	5,856
	Remong/Kunyit-Kunyit	—	4	—	177	—	—	—	—	181	212	3,280	896	1,434	5,822	6,003	363
	Semilang	—	1,137	255	5,831	2,268	13	261	1,213	10,978	—	—	—	261	261	11,239	680
	Shrumbu/Lemah	—	—	174	—	—	—	—	—	174	—	2,122	—	—	2,122	2,296	139
	Puntong Damar/Bulus	173	1,535	89	2,456	—	—	—	—	4,253	1,098	5,055	514	1,034	7,701	11,954	723
	Pasir-Pasir	—	—	—	—	—	—	—	—	—	—	—	1,110	655	1,765	1,765	107
34	Alu-Alu/Kacang-Kacang	429	9,563	467	41,535	2,365	—	—	174	54,533	540	4,809	879	1,591	7,819	62,352	3,772
	Aruan Tasik	—	439	2	697	2,101	9	—	17	3,265	111	5,399	487	879	6,876	10,141	613
	Bawal	2,187	3,642	6,353	13,744	16,344	380	496	4,734	47,880	1,291	5,816	901	5,015	13,023	60,903	3,684

1 M. Ton (Metric Tonne) = 16.53 Pikul (Piculs)

ISSCAAP GROUP NO.	JENIS IKAN (TYPE OF FISH)	Pantai Barat (West Coast)								Jumlah Kecil (Sub- Total)	Pantai Timur (East Coast)				Jumlah Kecil (Sub- Total)	Jumlah (Total)	
		Pertlis	Kedah	Pulau Pinang	Perak	Selangor	Negeri Sembilan	Melaka	Johor Barat (J. West)		Kelantan	Trengganu	Pahang	Johor Timur (J. East)		Pikul (Piculs)	M. Ton (Metric Tonnes)
34	Belanak/Kedera	34	18	2,011	8,120	3,740	31	222	918	15,094	17	407	208	1,095	1,727	16,821	1,018
	Cermin/Sagai/Cupak	—	632	417	1,331	2,912	—	—	—	5,292	548	13,227	179	3,797	17,751	23,043	1,394
	Cencaru	3,917	8,976	2,279	73,209	33,630	104	1,073	3,168	126,356	1,018	29,170	1,864	8,620	40,672	167,028	10,105
	Demudok/Rambai	—	139	255	21	—	—	29	—	444	247	5,208	1,485	2,856	9,796	10,240	619
	Kurau/Senangin/Senohong	72	704	1,482	17,656	6,664	22	438	2,010	29,048	—	—	471	63	534	29,582	1,790
	Pelata/Selar	8,917	2,688	6,165	57,306	5,657	34	—	230	80,997	46,748	84,588	10,235	26,989	168,560	249,557	15,097
	Selar Kuning/Lolong	—	660	1,265	44,117	4,116	1	—	217	50,376	44,882	60,108	15,821	49,638	170,449	220,825	13,359
	Selayang/Curut	7,913	47	21,643	69,991	—	—	—	—	99,594	42,224	163,236	11,840	74,306	291,606	391,200	23,666
35	Pisang-Pisang	356	—	4,605	281	118	—	—	—	5,360	24	1,840	516	22	2,402	7,762	469
	Talang	—	97	13	657	—	67	—	193	1,027	20	756	303	842	1,921	2,948	178
	Bilis	—	120,769	—	117,411	7,400	—	—	415	245,995	1,035	49,016	6,910	3,495	60,456	306,451	18,539
	Parang-Prang	1,442	21,024	1,730	17,008	20,785	1,449	5,495	11,418	80,351	1,625	5,980	2,015	6,083	15,703	96,054	5,811
	Tamban	6,902	21,484	6,198	26,358	24,952	—	—	717	86,611	10,711	85,863	20,772	63,509	180,855	267,466	16,181
	Terubok	—	—	—	296	—	—	—	—	296	2	—	—	—	2	298	18
	Bulan-Bulan	—	6	—	—	1,478	—	—	—	1,484	—	141	—	9	150	1,634	99
	Ayal/Kayu/Tongkol	7,231	18,876	5,120	20,770	727	10	—	—	52,734	1,839	116,998	1,518	27,702	148,057	200,791	12,147
36	Layaran Mersuji	—	—	—	—	—	—	—	—	—	—	3,162	—	—	3,162	3,162	191
	Kembong/Temenong	11,826	162,405	22,908	165,617	29,764	67	588	288	393,463	35,732	143,829	22,122	45,676	247,359	640,822	38,767
37	Tenggiri	827	10,806	7,148	24,150	16,967	1,879	5,287	11,089	78,153	1,954	25,052	3,803	14,375	45,184	123,337	7,461
	Timah/Layor/Selayor	618	3,509	1,102	23,233	7,063	—	—	2,342	37,867	2,125	2,183	257	2,538	7,103	44,970	2,721
38	Pari	624	2,556	1,736	9,840	28,661	188	1,742	5,854	51,201	289	3,581	3,838	20,161	27,869	79,070	4,783
	Yu	557	1,646	810	8,697	23,483	74	91	1,488	36,846	371	6,370	1,280	18,276	26,297	63,143	3,820
39	Ikan Baja	126,722	393,929	76,138	684,206	719,446	—	997	46,504	2,047,942	4,905	156,789	108,696	104,320	374,710	2,422,652	146,561
	Ikan Campur	7,014	13,089	8,531	32,137	25,761	1,179	4,291	28,937	120,939	5,826	58,341	10,236	42,817	117,220	238,159	14,408
42	Jebong	—	—	—	2,217	1,180	—	—	—	3,397	3	2,607	657	459	3,726	7,123	431
	Ketam	1,604	7,005	7,171	20,186	24,038	36	—	4,655	64,695	610	503	2,350	9,841	13,304	77,999	4,719
45	Udang	36,443	117,125	51,261	427,119	366,201	252	1,275	42,001	1,041,677	3,723	17,361	16,345	37,467	74,896	1,116,573	67,548
	Udang Baring	—	934	20,337	56,694	87,791	—	550	10,109	176,415	16,746	6,149	—	77,929	100,824	277,239	16,772
56	Kerang	—	2,005	85,797	771,089	38,164	—	12,505	9,489	919,049	—	—	—	—	—	919,049	55,598
	Siput/Kepah	—	240	1,754	6,262	—	—	—	—	8,256	—	—	—	131	131	8,387	507
57	Sotong	3,760	77,153	4,665	72,893	33,951	—	—	2,267	194,689	1,542	20,620	2,856	55,258	80,276	274,965	16,634
	Ubur-Ubur	—	—	—	—	2,027	—	—	—	2,027	—	—	—	—	—	2,027	123
	Jumlah : Pikul (Piculs)	240,401	1,099,099	372,290	3,085,241	1,730,765	6,979	40,353	214,959	6,790,087	239,567	1,245,526	269,725	792,856	2,547,674	9,337,761	
	(Total) : Metrik Ton (Metric Tonnes)	14,544	66,491	22,522	186,645	104,705	422	2,441	13,004	410,774	14,493	75,349	16,317	47,965	154,124		564,898

SEMENANJUNG MALAYSIA (PENINSULAR MALAYSIA)
TANGKAPAN IKAN LAUT MENGIKUT BULAN DAN JENIS IKAN – 1978
(Landings of Marine Fish by Month and Type of Fish – 1978)

Jadual (Table) 2.12

Isscap Group No.	Jenis Ikan (Type of Fish)	Jan. (Jan)	Feb. (Feb.)	Mac. (Mar.)	April (Apr.)	Mei (May)	Jun (June)	Julai (July)	Ogos (Aug)	Sept. (Sept.)	Okt. (Oct.)	Nov. (Nov.)	Dis. (Dec.)	Jumlah (Total)	
	Nama Tempatan (Local Name)													Pikul (Piculs)	M. Ton (M. Tonnes)
24	Kebasi/Selanqat	356	382	1,301	757	656	9,085	784	1,510	10,220	3,891	1,941	570	31,453	1,903
	Puput/Beliat Mata/Tirok	710	629	748	3,111	2,906	2,707	209	163	1,539	291	250	290	13,553	820
25	Siakap	1,272	102	192	29	51	364	63	47	102	53	35	122	2,432	147
31	Lidah/Sebah	2,957	2,730	3,231	3,460	6,768	6,472	5,123	4,254	4,912	5,279	4,311	5,430	54,927	3,322
33	Bayan	8	19	57	49	86	64	69	81	105	33	59	73	703	42
	Biji Nangka	15,235	3,364	2,255	8,289	4,031	3,853	3,182	2,836	2,657	2,075	1,323	1,123	50,223	3,038
	Daun Baharu	357	355	450	307	447	586	808	289	437	535	243	257	5,071	307
	Delah	19	1,204	1,803	356	220	534	106	138	228	382	90	42	5,122	310
	Duri/Pulutan/Utik	4,232	3,603	8,298	6,559	8,789	8,162	9,136	8,076	5,070	5,416	5,669	4,368	77,378	4,681
	Dengkis/Debam	2,656	820	475	226	197	175	237	855	1,993	573	1,132	310	9,649	584
	Gelama/Tengkarong	17,601	13,876	13,300	13,419	10,170	12,277	10,172	12,279	9,820	11,417	8,069	7,840	140,240	8,484
	Gerut-Gerut	1,903	1,846	2,429	3,107	3,114	3,785	2,699	1,914	2,685	2,581	2,021	2,294	30,378	1,838
	Jenahak	1,184	844	1,748	1,104	2,053	3,219	2,267	1,520	1,515	1,430	1,490	1,538	19,912	1,205
	Kachi	498	1,158	1,056	793	1,069	2,502	1,808	898	1,256	1,372	1,452	845	14,707	890
	Kerapu	3,532	4,059	3,458	2,603	3,006	4,479	4,119	3,191	4,126	3,066	3,692	3,409	42,740	2,586
	Kerisi	13,723	8,725	15,298	19,001	17,192	21,012	17,275	16,364	14,559	12,855	11,477	8,656	176,137	10,656
	Kerisi Bali	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Kikek	1,017	1,399	2,584	2,013	1,419	1,401	983	1,836	2,906	1,723	963	559	18,803	1,138
	Malong	2,339	2,367	3,785	3,438	2,488	3,949	3,152	2,775	2,441	2,328	2,094	3,450	34,606	2,094
	Merah	4,090	3,586	4,789	4,578	5,245	4,655	3,501	5,495	4,101	4,662	5,860	5,336	55,898	3,382
	Mengkerong/Conor/Ubi2	5,777	4,926	7,204	9,341	12,270	8,188	8,956	7,836	11,646	9,469	5,649	5,537	96,799	5,856
	Remong/Kunyit-Kunyit	429	524	209	334	339	313	870	1,044	601	508	478	354	6,003	363
	Semilang	1,125	790	837	591	532	754	2,333	855	578	792	792	1,260	11,239	680
	Shrumbu/Lemah	36	33	59	387	258	252	248	250	231	202	180	160	2,296	139
	Puntong Damar/Bulus	2,628	1,944	1,122	431	872	641	671	240	521	1,095	881	908	11,954	723
	Pasir-Pasir	191	114	226	277	220	140	106	111	130	122	20	108	1,765	107
34	Alu-Alu/Kacang-Kacang	1,650	2,131	4,620	5,824	8,087	6,168	6,507	6,156	7,362	6,135	3,111	4,601	62,352	3,772
	Aruan Tasik	1,116	510	976	709	816	1,090	791	1,379	694	820	661	579	10,141	613
	Bawal	5,512	5,149	4,866	5,866	4,339	4,870	4,651	6,100	4,890	5,061	4,729	4,870	60,903	3,684

1 M. Ton (Metric Tonne) = 16.53 Pikul (Piculs)

	Jenis Ikan (Type of Fish)	Jan. (Jan.)	Feb. (Feb.)	Mac. (March)	April (April)	Mei (May)	Jun (June)	Julai (July)	Ogos (August)	Sept. (Sept)	Okt. (Oct.)	Nov. (Nov.)	Dis. (Dec.)	Jumlah (Total)	
	Nama Tempatan (Local Name)													Pikul (Piculs)	M. Ton (M. Tonnes)
34	Belanak/Kedera	755	2,041	1,017	952	1,044	1,241	906	1,071	1,567	2,213	2,352	1,662	16,821	1,018
	Cermin/Sagai/Cupak	1,338	1,322	2,075	1,669	1,856	2,086	2,618	2,867	2,132	2,405	1,476	1,199	23,043	1,394
	Cendaru	9,905	7,361	9,573	22,991	12,335	17,944	13,351	16,576	11,284	17,957	17,065	10,686	167,028	10,105
	Demudok/Rambai	292	167	411	547	852	796	785	807	3,043	892	668	980	10,240	619
	Kurau/Semangin/Senohong	2,258	1,073	1,314	2,243	3,577	2,136	4,359	2,228	4,803	1,792	1,762	2,037	29,582	1,790
	Pelata/Selar	11,711	14,434	26,016	37,361	20,392	13,587	15,387	27,946	24,464	31,793	17,034	9,432	249,557	15,097
	Selar Kuning/Lolong	7,651	24,378	24,625	14,702	22,112	21,605	29,960	21,947	19,499	23,287	7,741	3,318	220,825	13,359
	Selayang/Curut	37,817	22,941	36,697	33,309	54,097	50,561	30,877	25,536	36,373	31,436	16,009	15,547	391,200	23,666
35	Pisang-Pisang	266	325	53	356	186	1,380	1,240	2,734	344	343	417	118	7,762	469
	Talang	624	193	270	155	230	160	120	298	276	347	184	91	2,948	178
	Bilis	12,176	19,140	25,867	31,826	25,419	29,204	27,052	25,764	27,324	33,333	25,448	23,898	306,451	18,539
	Parang-Parang	8,683	8,007	8,998	8,800	7,879	8,969	7,495	7,390	8,273	8,970	6,735	5,855	96,054	5,811
	Tamban	17,522	21,499	23,701	27,552	23,726	23,790	21,536	22,011	13,960	15,810	26,337	30,022	267,466	16,181
	Terubok	2	—	—	21	—	5	4	—	—	—	—	266	298	18
	Bulan-Bulan	4	5	75	73	711	665	20	20	20	16	18	8	1,634	99
	Aya/Kayu/Tongkol	9,176	12,714	16,094	30,891	20,184	16,932	16,643	15,528	19,421	19,609	12,793	10,806	200,791	12,147
36	Layaran/Mersuji	291	669	230	245	208	142	165	185	291	383	173	180	3,162	191
	Kembong/Temenong	36,717	37,980	59,745	72,840	52,527	52,529	48,021	59,471	46,719	57,257	71,111	45,905	640,822	38,767
37	Tenggiri	11,054	9,919	10,666	10,613	8,664	11,093	8,969	10,389	11,779	10,572	8,889	10,730	123,337	7,461
	Timah/Layor/Selayor	3,832	3,544	3,975	3,753	4,637	5,547	3,922	2,570	3,243	2,788	3,023	4,136	44,970	2,721
	Pari	7,250	6,155	7,165	7,803	5,937	6,415	8,023	8,717	5,737	5,669	5,321	4,878	79,070	4,783
38	Yu	3,444	3,570	4,850	6,933	6,370	5,898	5,738	4,922	7,013	6,169	4,914	3,322	63,143	3,820
	Ikan Baja	183,776	159,567	165,061	196,126	273,317	212,884	202,119	177,988	217,942	223,324	212,060	198,488	2,422,652	146,561
39	Ikan Campur	14,491	17,018	17,933	24,068	21,706	20,646	25,388	27,840	20,998	19,216	16,533	12,322	238,159	14,408
	Jebong	368	263	399	719	714	1,122	594	310	344	930	834	526	7,123	431
42	Ketam	7,189	4,662	6,163	5,660	6,475	7,204	8,353	6,577	8,196	7,751	5,332	4,437	77,999	4,719
45	Udang	82,098	95,326	90,974	92,420	84,118	84,411	93,319	98,068	94,546	103,759	99,079	98,455	1,116,573	67,548
	Udang Baring	19,085	24,640	23,767	25,179	24,420	20,853	17,007	16,990	35,885	48,723	10,031	10,659	277,239	16,772
56	Kerang	100,384	69,954	83,797	66,402	65,528	75,905	67,767	75,660	64,354	81,084	87,854	80,360	919,049	55,598
	Siput/Kepah	1,833	75	635	604	1,309	432	528	510	500	874	410	677	8,387	507
57	Sotong	17,341	17,453	26,053	26,002	22,446	22,148	28,099	35,558	28,997	24,514	15,154	11,200	274,965	16,634
76	Ubur-Ubur	—	—	—	—	—	—	—	2,027	—	—	—	—	2,027	123
	Jumlah: Pikul (Piculs)	701,486	653,584	765,575	849,774	870,616	829,987	781,191	788,997	816,652	867,381	745,429	667,089	9,337,761	
	(Total) Metrik Ton (Metric Tonne)	42,437	39,539	46,314	51,408	52,669	50,211	47,259	47,731	49,404	52,473	45,096	40,357		564,898

SEMENANJUNG MALAYSIA (PENINSULAR MALAYSIA)
TANGKAPAN IKAN LAUT MENGIKUT KUMPULAN PERKAKAS DAN JENIS IKAN – 1978
(Landings of Marine Fish by Gear Group and Type of Fish – 1978)

Jadual (Table) 2.13

JENIS IKAN (TYPE OF FISH)		Pukat-Pukat Tarik (Seine nets)			Pukat Hanyut (Drift/Gill Nets)	Pukat Tangguk (Lift Nets)	Perangkap-Perangkap (Traps)		Pancing (Hooks & Lines)	Pukat Bakul (Bag Nets)	Pukat Rentang (Barrier Nets)	Pukat Surung (Push Nets)	Memungut Siput (Shell-fish Collection)	Rampaiian (Miscellaneous)	Jumlah (Total)	
ISSCAAP Group No.	Nama Tempatan (Local Name)	Pukat Tunda (Trawl Nets)	Pukat Jerut (Purse Seines)	Lain-lain Pukat Tarik (Other Seines)			Belat-Belat (Stationary)	Bubu (Portable)							Pikul (Piculs)	M. Ton (Metric Tonnes)
24	Kebasi/Selangat	3,488	852	244	26,686	5	128	—	8	42	—	—	—	—	31,453	1,903
	Puput/Beliat Mata/Tirok	12,716	—	97	490	—	188	62	—	—	—	—	—	—	13,553	820
25	Siakap	1,500	—	57	238	—	75	289	201	72	—	—	—	—	2,432	147
31	Lidah/Sebelah	53,650	—	260	951	1	34	—	—	—	31	—	—	—	54,927	3,322
33	Bayan	47	—	—	—	—	—	601	12	43	—	—	—	—	703	42
	Biji Nangka	47,858	—	109	140	—	—	408	1,708	—	—	—	—	—	50,223	33,038
	Daun Baharu	4,154	—	—	652	—	—	99	166	—	—	—	—	—	5,071	307
	Delah	2,837	—	—	197	—	—	825	1,263	—	—	—	—	—	5,122	310
	Duri/Pulutan/Utik	43,474	3,529	645	8,897	7	779	1,075	16,343	285	1,094	—	—	1,250	77,378	4,681
	Dengkis/Debam	7,681	—	6	—	—	425	1,021	54	462	—	—	—	—	9,649	584
	Gelama/Tengkerong	110,074	12,145	1,218	11,918	63	1,556	80	1,461	14	1,366	—	—	345	140,240	8,484
	Gerut-Gerut	23,086	—	86	383	17	180	1,956	4,670	—	—	—	—	—	30,378	1,838
	Jenahak	8,477	350	—	321	—	132	2,935	6,912	—	—	—	—	785	19,912	1,205
	Kachi	9,014	—	4	17	—	35	2,189	3,133	—	—	—	—	315	14,707	890
	Kerapu	20,948	—	7	85	34	175	11,205	10,286	—	—	—	—	—	42,740	2,586
	Kerisi	151,852	—	—	1,086	124	96	7,883	15,096	—	—	—	—	—	176,137	10,658
	Kerisi Bali	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Kikek	9,555	3,330	21	1,904	822	764	220	676	1,492	19	—	—	—	18,803	1,138
	Malong	23,637	—	335	937	—	32	90	8,060	—	—	—	—	1,515	34,606	2,094
	Merah	25,459	—	—	59	—	333	22,657	7,376	14	—	—	—	—	55,898	3,382
	Mengkerong/Conor/Ubi2	95,389	—	—	585	—	729	32	64	—	—	—	—	—	96,799	5,856
	Remong/Kunyit-Kunyit	1,945	—	—	31	—	88	1,617	2,322	—	—	—	—	—	6,003	363
	Semilang	4,584	—	450	351	6	324	144	2,762	—	2,566	52	—	—	11,239	680
	Shrumbu/Lemah	2,296	—	—	—	—	—	—	—	—	—	—	—	—	2,296	139
	Puntong Damar/Bulus	11,074	—	21	660	—	—	14	185	—	—	—	—	—	11,954	723
	Pasir-Pasir	1,758	—	—	—	—	—	7	—	—	—	—	—	—	1,765	107
34	Alu-Alu/Kacang-Kacang	54,182	2,477	15	2,488	27	501	23	2,231	408	—	—	—	—	62,352	3,772
	Aruan Tasik	4,341	770	—	811	318	4	320	3,577	—	—	—	—	—	10,141	613
	Bawal	23,277	6,847	819	23,478	5,741	708	—	—	12	21	—	—	—	60,903	3,684

1 M. Ton (Metric Tonne) = 16 53 Pikul (Piculs)

JENIS IKAN (TYPE OF FISH)		Pukat Tunda (Trawl Nets)	Pukat-Pukat Tarik (Seine nets)		Pukat Hanyut (Drift/Gill Nets)	Pukat Tangguk (Lift Nets)	Perangkap Perangkap (Traps)		Pancing (Hooks & Lines)	Pukat Bakul (Bag Nets)	Pukat Rentang (Barrier Nets)	Pukat Surung (Push Nets)	Memungut Siput (Shell-fish Collection)	Rampai-an (Miscellaneous)	Jumlah (Total)	
ISSCAAP Group No.	Nama Tempatan (Local Name)		Pukat Jerut (Purse Seines)	Lain-lain Pukat Tarik (Other Seines)			Belat-Belat (Stationary)	Bubu (Portable)							Pikul (Pikuls)	M. Ton (Metric Tonnes)
34	Belanak/Kedera	3,382	1,834	696	9,078	11	336	—	—	19	1,421	17	—	27	16,821	1,018
	Cermin/Sagai/Cupak	14,433	1,560	30	856	1,108	5	2,451	2,600	—	—	—	—	—	23,043	1,394
	Cencaru	40,476	94,130	450	17,605	6,595	453	—	7,319	—	—	—	—	—	167,028	10,105
	Demudok/Rambai	496	2,641	18	121	111	9	4,159	2,685	—	—	—	—	—	10,240	619
	Kurau/Senangin/Senohong	6,785	6,770	106	12,890	—	51	194	2,786	—	—	—	—	—	29,582	1,790
	Pelata/Selar	19,710	175,596	72	12,924	21,597	139	—	19,518	—	—	—	—	—	249,557	15,097
	Selar Kuning/Lolong	30,038	130,767	88	5,687	53,319	172	—	741	—	1	—	—	—	220,825	13,359
	Selayang/Curut	4,483	343,754	—	160	41,052	—	36	1,715	—	13	—	—	—	391,200	23,666
	Pisang-Pisang	2,256	4,961	—	105	18	—	100	322	—	—	—	—	—	7,762	469
	Talang	293	348	—	1,552	16	157	40	542	—	—	—	—	—	2,948	178
35	Bilis	8,290	289,338	1,143	100	—	7,580	—	—	—	—	—	—	—	306,451	18,539
	Parang-Parang	45,093	269	274	48,748	738	192	36	704	—	—	—	—	—	96,054	5,811
	Tamban	28,656	205,668	178	6,903	23,967	1,732	72	235	39	16	—	—	—	267,466	16,181
	Terubuk	2	—	—	296	—	—	—	—	—	—	—	—	—	298	18
	Bulan-Bulan	292	—	—	1,200	—	—	133	9	—	—	—	—	—	1,634	99
36	Aya/Kayu/Tongkol	986	90,247	—	46,566	529	13	8	62,442	—	—	—	—	—	200,791	12,147
	Layaran/Mersuji	11	—	—	140	—	—	—	3,011	—	—	—	—	—	3,162	191
37	Kembong/Temenong	181,266	408,581	18	35,877	9,496	1,928	—	3,645	—	11	—	—	—	640,822	38,767
	Tenggiri	29,245	562	348	66,183	232	200	2	26,565	—	—	—	—	—	123,337	7,461
	Timah/Layor/Selayor	39,188	762	157	3,493	2	922	—	48	372	26	—	—	—	44,970	2,721
38	Pari	61,599	—	76	2,764	60	671	203	13,552	145	—	—	—	—	79,070	4,783
	Yu	44,204	972	41	12,358	120	71	35	5,240	102	—	—	—	—	63,143	3,820
39	Ikan Baja	2,140,542	44,147	90,600	14,761	—	13,062	—	48	115,945	2,467	—	—	1,080	2,422,652	146,561
	Ikan Campur	112,567	28,546	3,596	53,263	4,920	8,266	4,669	6,169	15,293	582	157	—	131	238,159	14,408
	Jebong	2,367	—	—	1,214	—	44	3,421	33	44	—	—	—	—	7,123	431
42	Ketam	55,561	—	1,731	11,051	125	695	—	—	2,656	50	41	—	6,089	77,999	4,719
45	Udang	807,190	—	129,599	70,315	1	4,687	—	—	102,732	913	991	—	145	1,116,573	67,548
	Udang Baring	13,582	—	6,265	4	—	21,757	—	—	204,696	—	14,655	—	16,280	277,239	16,772
56	Kerang	—	—	—	—	—	—	—	—	—	—	—	919,049	—	919,049	55,598
	Siput/Kepah	—	—	—	—	—	131	—	—	—	—	—	8,256	—	8,387	507
57	Sotong	259,851	87	887	234	47	1,566	2,970	2,531	39	—	—	—	6,753	274,965	16,634
76	Ubur-ubur	161	—	—	1,016	850	—	—	—	—	—	—	—	—	2,027	123
	Jumlah: Pikul (Piculs)	4,711,358	1,861,840	240,767	520,829	172,079	72,125	74,281	251,026	444,926	10,597	15,913	927,305	34,715	9,337,761	
	(Total): Metrik Ton (Metric Tonnes)	285,019	112,634	14,566	31,508	10,410	4,363	4,494	15,186	26,916	641	963	56,098	2,100		564,898

PERLIS

TANGKAPAN IKAN LAUT MENGIKUT KUMPULAN PERKAKAS DAN JENIS IKAN – 1978
(Landings of Marine Fish by Gear Group and Type of Fish – 1978)

Jadual (Table) 2.14 (a)

JENIS IKAN (TYPE OF FISH)		Pukat Tunda (Trawl Nets)	Pukat-Pukat Tarik (Seine nets)		Pukat Hanyut (Drift/Gill Nets)	Pukat Tangguk (Lift Nets)	Perangkap-Perangkap (Traps)		Pancing (Hooks & Lines)	Pukat Bakul (Bag Nets)	Pukat Rentang (Barrier Nets)	Pukat Surung (Push Nets)	Memungut Siput (Shell-fish Collection)	Rampaian (Miscellaneous)	Jumlah (Total)	
ISSCAAP Group No.	Nama Tempatan (Local Name)		Pukat Jerut (Purse Seines)	Lain-lain Pukat Tarik (Other Seines)			Belat-Belat (Stationary)	Bubu (Port-able)							Pikul (Piculs)	M. Ton (Metric Tonnes)
24	Kebasi/Selangat	431	120	—	108	—	—	—	—	—	—	—	—	—	659	40
	Puput/Beliat Mata/Tirok	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
25	Siakap	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
31	Lidah/Sebelah	1,146	—	—	—	—	—	—	—	—	—	—	—	—	1,146	69
33	Bayan	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Biji Nangka	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Daun Baharu	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Delah	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Duri/Pulutan/Utik	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Dengkis/Debam	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Gelama/Tengkerong	3,244	5,120	—	—	—	—	—	—	—	—	—	—	—	8,364	506
	Gerut-Gerut	92	—	—	10	—	—	—	209	—	—	—	—	—	311	19
	Jenahak	—	—	—	—	—	—	—	72	—	—	—	—	—	72	4
	Kachi	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Kerapu	82	—	—	—	—	—	—	49	—	—	—	—	—	131	8
	Kerisi	150	—	—	—	—	—	—	—	—	—	—	—	—	150	9
	Kerisi Bali	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Kikek	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Malong	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Merah	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Mengkerong/Conor/Ubi2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Remong/Kunyit-Kunyit	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Semilang	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Shrumbu/Lemah	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Puntong Damar/Bulus	173	—	—	—	—	—	—	—	—	—	—	—	—	173	11
	Pasir-Pasir	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
34	Alu-Alu/Kacang-Kacang	—	401	—	—	—	—	—	28	—	—	—	—	—	429	26
	Aruan Tasik	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Bawal	—	2,056	—	131	—	—	—	—	—	—	—	—	—	2,187	132

1M. Ton (Metric Tonnes) = 16.53 Pikul (Piculs).

JENIS IKAN (TYPE OF FISH)		Pukat Tunda (Trawl Nets)	Pukat-Pukat Tarik (Seine nets)		Pukat Hanyut (Drift/Gill Nets)	Pukat Tangguk (Lift Nets)	Perangkap-Perangkap (Traps)		Pancing (Hooks & Lines)	Pukat Bakul (Bag Nets)	Pukat Rentang (Barrier Nets)	Pukat Surung (Push Nets)	Memungut Siput (Shell-fish Collection)	Rampai-an (Miscell-aneous)	Jumlah (Total)	
ISSCAAP Group No.	Nama Tempatan (Local Name)		Pukat Jerut (Purse Seines)	Lain-lain Pukat Tarik (Other Seines)			Belat-Belat (Stationary)	Bubu (Port-able)							Pikul (Piculs)	M. Ton (Metric Tonnes)
34	Belanak/Kedera	—	—	—	34	—	—	—	—	—	—	—	—	—	34	2
	Cermin/Sagai/Cupak	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Cencaru	—	3,810	—	—	—	107	—	—	—	—	—	—	—	3,917	237
	Demudok/rambai	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Kurau/Senangin/Senohong	—	—	—	72	—	—	—	—	—	—	—	—	—	72	4
	Pelata/Selar	—	8,917	—	—	—	—	—	—	—	—	—	—	—	8,917	539
	Selar Kuning/Lolong	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
35	Selayang/Curut	—	7,913	—	—	—	—	—	—	—	—	—	—	—	7,913	479
	Pisang-Pisang	—	356	—	—	—	—	—	—	—	—	—	—	—	356	22
	Bilis	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Parang-Parang	633	—	—	789	—	20	—	—	—	—	—	—	—	1,442	87
	Tamban	—	6,870	—	—	—	32	—	—	—	—	—	—	—	6,902	418
	Terubuk	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Bulan-Bulan	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
36	Aya/Kayu/Tongkol	—	7,231	—	—	—	—	—	—	—	—	—	—	—	7,231	438
	Layaran/Mersuji	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
37	Kembong/Temonong	—	11,522	—	84	—	220	—	—	—	—	—	—	—	11,826	715
	Tenggiri	—	63	—	764	—	—	—	—	—	—	—	—	—	827	50
38	Timah/Layor/Selayor	598	20	—	—	—	—	—	—	—	—	—	—	—	618	37
	Pari	532	—	—	—	—	—	—	92	—	—	—	—	—	624	38
39	Yu	—	—	—	476	—	—	—	81	—	—	—	—	—	557	34
	Ikan Baja	123,573	2,339	135	—	—	675	—	—	—	—	—	—	—	126,722	7,666
	Ikan Campur	3,510	3,283	—	143	—	43	—	35	—	—	—	—	—	7,014	424
42	Jebong	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Ketam	876	—	84	172	—	—	—	—	—	—	—	—	472	1,604	97
45	Udang	34,163	—	441	1,839	—	—	—	—	—	—	—	—	—	36,443	2,205
	Udang Baring	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
56	Kerang	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Siput/Kepah	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
57	Sotong	3,630	—	—	—	—	130	—	—	—	—	—	—	—	3,760	228
	Ubur-ubur	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Jumlah: Pikul (Piculs)	172,833	60,021	660	4,622	—	1,227	—	566	—	—	—	—	472	240,401	
	(Total) Metrik Ton (Metric Tonnes)	10,456	3,631	40	280	—	74	—	34	—	—	—	—	29		14,544

KEDAH

TANGKAPAN IKAN LAUT MENGIKUT KUMPULAN PERKAKAS DAN JENIS IKAN -- 1978

(Landings of Marine Fish by Gear Group and Type of Fish -- 1978)

Jadual (Table) 2.14 (b)

JENIS IKAN (TYPE OF FISH)		Pukat Tunda (Trawl Nets)	Pukat-Pukat Tarik (Seine nets)		Pukat Hanyut (Drift/Gill Nets)	Pukat Tangguk (Lift Nets)	Perangkap-Perangkap (Traps)		Pancing (Hooks & Lines)	Pukat Bakul (Bag Nets)	Pukat Rentang (Barrier Nets)	Pukat Surung (Push Nets)	Memungut Siput (Shell-fish Collection)	Rampasan (Miscellaneous)	Jumlah (Total)	
ISSCAAP Group No.	Nama Tempatan (Local Name)		Pukat Jerut (Purse Seines)	Lain-lain Pukat Tarik (Other Seines)			Belat-Belat (Stationary)	Bubu (Port-able)							Pikul (Piculs)	M. Ton (Metric Tonnes)
24	Kebasi/Selangat	337	—	—	209	—	—	—	—	—	—	—	—	—	546	33
	Puput/Beliat Mata/Tirok	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
25	Siakap	13	—	—	38	—	—	—	—	—	—	—	—	—	51	3
31	Lidah/Sebelah	7,596	—	—	—	—	—	—	—	—	—	—	—	—	7,596	460
33	Bayan	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Biji Nangka	2,694	—	—	—	—	—	—	—	—	—	—	—	—	2,694	163
	Dauan Baharu	862	—	—	—	—	—	—	—	—	—	—	—	—	862	52
	Delah	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Duri/Pulutan/Utik	1,006	—	—	448	—	—	133	983	—	327	—	—	—	2,897	175
	Dengkis/Debam	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Gelama/Tengkerong	13,218	—	—	475	—	—	—	27	—	—	—	—	—	13,720	830
	Geurt-Gerut	1,644	—	—	—	—	—	202	491	—	—	—	—	—	2,337	141
	Jenahak	1,848	—	—	—	—	—	199	495	—	—	—	—	—	2,542	154
	Kachi	418	—	—	—	—	—	—	—	—	—	—	—	—	418	25
	Kerapu	2,422	—	—	—	—	—	315	790	—	—	—	—	—	3,527	213
	Kerisi	18,052	—	—	—	—	—	—	—	—	—	—	—	—	18,052	1,092
	Kerisi Bali	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Kikek	169	—	—	—	—	—	—	—	—	—	—	—	—	169	10
	Malong	784	—	—	50	—	—	—	—	—	—	—	—	—	834	50
	Merah	6	—	—	—	—	—	—	—	—	—	—	—	—	6	—
	Mengkerong/Conor/Ubi 2	38,006	—	—	—	—	—	—	—	—	—	—	—	—	38,006	2,299
	Remong/Kunyit-Kunyit	4	—	—	—	—	—	—	—	—	—	—	—	—	4	—
	Semilang	—	—	—	95	—	—	—	—	—	1,042	—	—	—	1,137	69
	Shrumbu/Lemah	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Puntong Damar/Bulus	1,535	—	—	—	—	—	—	—	—	—	—	—	—	1,535	93
	Pasir-Pasir	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
34	Alu-Alu/Kacang-Kacang	9,428	—	—	—	—	—	—	135	—	—	—	—	—	9,563	578
	Aruan Tasik	439	—	—	—	—	—	—	—	—	—	—	—	—	439	27
	Bawal	2,558	—	—	235	808	41	—	—	—	—	—	—	—	3,642	220

1 M. Ton (Metric Tonne) = 16.53 Pikul (Piculs)

JENIS IKAN (TYPE OF FISH)		Pukat Tunda (Trawl Nets)	Pukat-Pukat Tarik (Seine nets)		Pukat Hanyut (Drift/Gill Nets)	Pukat Tangguk (Lift Nets)	Perangkap Perangkap (Traps)		Pancing (Hooks & Lines)	Pukat Bakul (Bag Nets)	Pukat Rentang (Barrier Nets)	Pukat Surung (Push Nets)	Memungut Siput (Shell-fish Collection)	Rampasan (Miscellaneous)	Jumlah (Total)	
ISSCAAP Group No.	Nama Tempatan (Local Name)		Pukat Jerut (Purse Seines)	Lain-lain Pukat Tarik (Other Seines)			Belat-Belat (Stationary)	Bubu (Port-able)							Pikul (Piculs)	M Ton (Metric Tonnes)
34	Belanak/Kedera	—	—	—	18	—	—	—	—	—	—	—	—	—	18	1
	Cermin/Sagai/Cupak	632	—	—	—	—	—	—	—	—	—	—	—	—	632	38
	Cencaru	576	7,970	—	94	—	336	—	—	—	—	—	—	—	8,976	543
	Demudok/Rambai	139	—	—	—	—	—	—	—	—	—	—	—	—	139	8
	Kurau/Senangin/Senohong	482	—	—	222	—	—	—	—	—	—	—	—	—	704	43
	Pelata/Selar	2,213	443	—	32	—	—	—	—	—	—	—	—	—	2,688	163
	Selar Kuning/Lolong	660	—	—	—	—	—	—	—	—	—	—	—	—	660	40
	Selayang/Curut	47	—	—	—	—	—	—	—	—	—	—	—	—	47	3
35	Pisang-Pisang	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Talang	43	—	—	54	—	—	—	—	—	—	—	—	—	97	6
	Bilis	49	120,720	—	—	—	—	—	—	—	—	—	—	—	120,769	7,306
	Parang-Parang	19,490	—	—	1,534	—	—	—	—	—	—	—	—	—	21,024	1,272
36	Tamban	19,484	1,915	—	85	—	—	—	—	—	—	—	—	—	21,484	1,300
	Terubuk	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Bulan-Bulan	6	—	—	—	—	—	—	—	—	—	—	—	—	6	—
	Aya/Kayu/Tongkol	—	18,876	—	—	—	—	—	—	—	—	—	—	—	18,876	1,142
37	Layaran/Mersuji	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Kembong/Temenong	143,632	14,600	—	2,495	—	1,678	—	—	—	—	—	—	—	162,405	9,825
	Tenggiri	8,345	—	—	1,448	—	120	—	893	—	—	—	—	—	10,806	654
38	Timah/Layor/Selayor	3,444	—	—	—	—	65	—	—	—	—	—	—	—	3,509	212
	Pari	2,146	—	—	—	—	—	—	—	—	—	—	—	—	2,556	155
	Yu	759	—	—	498	—	—	—	410	—	—	—	—	—	1,646	100
39	Ikan Baja	390,665	—	517	—	—	2,603	—	389	144	—	—	—	—	393,929	23,831
	Ikan Campur	9,544	1,045	679	912	—	204	132	—	36	—	—	—	—	13,089	792
	Jebong	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
42	Ketam	6,863	—	—	—	—	—	—	537	—	37	—	—	105	7,005	424
45	Udang	106,929	—	2,324	7,248	—	46	—	—	494	84	—	—	—	117,125	7,086
56	Udang Baring	—	—	—	—	—	—	—	—	—	—	934	—	—	934	57
	Kerang	—	—	—	—	—	—	—	—	—	—	—	2,005	—	2,005	121
57	Siput/Kepah	—	—	—	—	—	—	—	—	—	—	—	240	—	240	15
	Sotong	76,417	—	—	—	—	736	—	—	—	—	—	—	—	77,153	4,667
76	Ubur-Ubur	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Jumlah: Pikul (Piculs)		895,604	165,569	3,520	16,190	808	5,829	981	5,150	674	1,490	934	2,245	105	1,099,099	66,491
(Total): Metrik Ton (Metric Tonnes)		54,181	10,016	213	979	49	353	59	312	41	90	56	136	6		

PULAU PINANG

TANGKAPAN IKAN LAUT MENGIKUT KUMPULAN PERKAKAS DAN JENIS IKAN – 1978

(Landings of Marine Fish by Gear Group and Type of Fish – 1978)

Jadual (Table) 2.14(c)

JENIS IKAN (TYPE OF FISH)		Pukat Tunda (Trawl Nets)	Pukat-Pukat Tarik (Seine nets)		Pukat Hanyut (Drift/Gill Nets)	Pukat Tangguk (Lift Nets)	Perangkap-Perangkap (Traps)		Pancing (Hooks & Lines)	Pukat Bakul (Bag Nets)	Pukat Rentang (Barrier Nets)	Pukat Surung (Push Nets)	Memungut Siput (Shell-fish Collection)	Rampasan (Miscellaneous)	Jumlah (Total)	
ISSCAAP Group No.	Nama Tempatan (Local Name)		Pukat Jerut (Purse Seines)	Lain-lain Pukat Tarik (Other Seines)			Belat - Belat (Stationary)	Bubu (Port-able)							Pikul (Piculs)	M. Ton (Metric Tonnes)
24	Kebasi/Selangat	668	732	—	588	—	—	—	—	—	—	—	—	—	1,988	120
	Puput/Beliat Mata/Tirok	484	—	—	—	—	—	—	—	—	—	—	—	—	484	29
25	Siakap	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
31	Lidah/Sebelah	859	—	—	—	—	—	—	—	—	—	—	—	—	859	52
33	Bayan	39	—	—	—	—	—	—	—	—	—	—	—	—	39	2
	Biji Nangka	1,173	—	—	—	—	—	—	—	—	—	—	—	—	1,173	71
	Daun Baharu	348	—	—	—	—	—	34	—	—	—	—	—	—	382	23
	Delah	35	—	—	—	—	—	—	—	—	—	—	—	—	35	2
	Duri/Pulutan/Utik	1,101	—	—	1,240	—	—	—	152	—	—	—	—	—	2,493	151
	Dengkis/Debam	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Gelama/Tengkerong	2,786	3,466	198	365	—	144	4	88	—	—	—	—	—	7,051	427
	Gerut-Gerut	531	—	70	—	—	40	2	120	—	—	—	—	—	763	46
	Jenahak	319	—	—	—	—	—	137	221	—	—	—	—	—	677	41
	Kachi	37	—	—	—	—	—	—	—	—	—	—	—	—	37	2
	Kerapu	330	—	—	—	—	69	630	325	—	—	—	—	—	1,354	82
	Kerisi	789	—	—	—	—	—	362	9	—	—	—	—	—	1,160	70
	Kerisi Bali	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Kikek	714	—	—	—	—	—	—	—	—	—	—	—	—	714	43
	Malong	458	—	—	—	—	—	—	70	—	—	—	—	—	528	32
	Merah	725	—	—	—	—	—	1,514	—	—	—	—	—	—	2,239	136
	Mengkerong/Conor/Ubi	433	—	—	—	—	—	—	—	—	—	—	—	—	433	26
	Remong/Kunyit-Kunyit	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Semilang	68	—	65	36	—	—	76	10	—	—	—	—	—	255	16
	Shrumbu/Lemah	174	—	—	—	—	—	—	—	—	—	—	—	—	174	11
	Puntong Damar/Bulus	—	—	21	65	—	—	—	3	—	—	—	—	—	89	5
	Pasir-Pasir	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
34	Alu-Alu/Kacang-Kacang	467	—	—	—	—	—	—	—	—	—	—	—	—	467	28
	Aruan Tasik	—	—	—	—	—	—	2	—	—	—	—	—	—	2	—
	Bawal	830	2,095	417	3,007	—	4	—	—	—	—	—	—	—	6,353	384

1 M.Ton (Metric Tonne) = 16.53 Pikul (Piculs)

JENIS IKAN (TYPE OF FISH)		Pukat Tunda (Trawl Nets)	Pukat-Pukat Tarik (Seine nets)		Pukat Hanyut (Drift/Gill Nets)	Pukat Tangguk (Lift Nets)	Perangkap-Perangkap (Traps)		Pancing (Hooks & Lines)	Pukat Bakul (Bag Nets)	Pukat Rentang (Barrier Nets)	Pukat Surung (Push Nets)	Memungut Siput (Shell-fish Collection)	Rampaian (Miscellaneous)	Jumlah (Total)	
ISSCAAP Group No.	Nama Tempatan (Local Name)		Pukat Jerut (Purse Seines)	Lain-lain Pukat Tarik (Other Seines)			Belat-Belat (Stationary)	Bubu (Portable)							Pikul (Piculs)	M. Ton (Metric Tonnes)
34	Belanak/Kedera	—	610	—	1,401	—	—	—	—	—	—	—	—	—	2,011	122
	Cermin/Sagai/Cupak	405	—	—	—	—	—	12	—	—	—	—	—	—	417	25
	Cencaru	667	1,487	—	125	—	—	—	—	—	—	—	—	—	2,279	138
	Demudok/Rambai	248	—	—	4	—	—	3	—	—	—	—	—	—	255	15
	Kurau/Senangin/Senohong	148	—	—	994	—	—	67	273	—	—	—	—	—	1,482	90
	Pelata/Selar	670	5,488	—	7	—	—	—	—	—	—	—	—	—	6,165	373
	Selar Kuning/Lolong	—	1,265	—	—	—	—	—	—	—	—	—	—	—	1,265	77
	Selayang/Curut	—	21,643	—	—	—	—	—	—	—	—	—	—	—	21,643	1,309
	Pisang-Pisang	—	4,605	—	—	—	—	—	—	—	—	—	—	—	4,605	279
35	Talang	—	—	—	—	—	—	—	13	—	—	—	—	—	13	1
	Billis	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Parang-Parang	989	—	—	741	—	—	—	—	—	—	—	—	—	1,730	105
	Tamban	416	5,596	132	54	—	—	—	—	—	—	—	—	—	6,198	375
	Terubuk	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
36	Bulan-Bulan	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Aya/Kayu/Tongkol	—	2,566	—	2,533	—	13	8	—	—	—	—	—	—	5,120	310
37	Layaran/Mersuji	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Kembong/Temenong	865	21,460	—	583	—	—	—	—	—	—	—	—	—	22,908	1,386
38	Tenggiri	464	—	—	6,682	—	—	2	—	—	—	—	—	—	7,148	432
	Timah/Layor/Selayor	1,102	—	—	—	—	—	—	—	—	—	—	—	—	1,102	67
39	Pari	551	—	—	—	—	—	66	1,119	—	—	—	—	—	1,736	105
	Yu	507	162	—	116	—	—	11	14	—	—	—	—	—	810	49
42	Ikan Baja	22,499	6,870	23,858	6,522	—	262	—	—	15,047	—	—	—	1,080	76,138	4,606
	Ikan Campur	2,644	213	787	4,575	—	18	214	—	80	—	—	—	—	8,531	516
45	Jebong	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Ketam	1,473	—	802	4,189	123	—	—	—	42	—	—	—	542	7,171	434
56	Udang	6,727	—	12,215	17,680	—	4	—	—	14,609	—	—	—	26	51,261	3,101
	Udang Baring	—	—	11	—	—	—	—	—	7,716	—	12,610	—	—	20,337	1,230
57	Kerang	—	—	—	—	—	—	—	—	—	—	—	85,797	—	85,797	5,190
	Siput/Kepah	—	—	—	—	—	—	—	—	—	—	—	1,754	—	1,754	106
76	Sotong	4,622	—	20	22	—	1	—	—	—	—	—	—	—	4,665	282
	Ubur-ubur	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Jumlah: Pikul (Piculs) (Total) Metrik Ton (Metric Tonnes)		58,365 3,531	78,258 4,735	38,596 2,335	51,529 3,117	123 7	555 34	3,144 190	2,417 146	37,494 2,268	— —	12,610 763	87,551 5,296	1,648 100	372,290	22,522

PERAK
TANGKAPAN IKAN LAUT MENGIKUT KUMPULAN PERKAKAS DAN JENIS IKAN – 1978
(Landings of Marine Fish by Gear Group and Type of Fish – 1978)

Jadual (Table) 2.14(d)

JENIS IKAN (TYPE OF FISH)		Pukat Tunda (Trawl Nets)	Pukat-Pukat Tarik (Seine nets)		Pukat Hanyut (Drift/Gill Nets)	Pukat Tangguk (Lift Nets)	Perangkap-Perangkap (Traps)		Pancing (Hooks & Lines)	Pukat Bakul (Bag Nets)	Pukat Rentang (Barrier Nets)	Pukat Surung (Push Nets)	Memungut Siput (Shell-fish Collection)	Rampasan (Miscellaneous)	Jumlah (Total)	
ISSCAAP Group No.	Nama Tempatan (Local Name)		Pukat Jerut (Purse Seines)	Lain-lain Pukat Tarik (Other Seines)			Belat-Belat (Stationary)	Bubu (Portable)							Pikul (Pikuls)	M. Ton (Metric Tonnes)
24	Kebasi/Selangat	753	—	—	22,335	—	—	—	—	—	—	—	—	—	23,088	1,397
	Puput/Beliat Mata/Tirok	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
25	Siakap	1,487	—	—	195	—	12	55	73	—	—	—	—	—	1,822	110
31	Lidah/Sebelah	13,399	—	233	750	—	—	—	—	—	—	—	—	—	14,382	870
33	Bayan	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Biji Nangka	20,486	—	—	—	—	—	—	56	—	—	—	—	—	20,542	1,243
	Daun Baharu	806	—	—	97	—	—	—	—	—	—	—	—	—	903	55
	Delah	2,434	—	—	197	—	—	—	1,174	—	—	—	—	—	3,805	230
	Duri/Pulutan/Utik	17,283	—	—	431	—	218	498	3,581	—	173	—	—	—	22,184	1,342
	Dengkis/Debam	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Gelama/Tengkerong	19,724	17	201	6,501	—	83	—	191	—	—	—	—	—	26,717	1,616
	Gerut-Gerut	7,989	—	—	263	—	31	632	1,590	—	—	—	—	—	10,505	635
	Jenahak	5,586	350	—	321	—	127	801	2,281	—	—	—	—	—	9,466	573
	Kachi	6,317	—	—	—	—	—	690	1,408	—	—	—	—	—	8,415	509
	Kerapu	10,584	—	—	77	—	—	1,552	3,303	—	—	—	—	—	15,516	939
	Kerisi	34,324	—	—	103	—	5	1,060	2,731	—	—	—	—	—	38,223	2,312
	Kerisi Bali	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Kikek	1,880	—	—	—	—	—	—	—	—	—	—	—	—	1,880	114
	Malong	6,661	—	335	608	—	—	16	290	—	—	—	—	—	7,910	479
	Merah	14,003	—	—	—	—	194	1,276	1,784	—	—	—	—	—	17,257	1,044
	Mengkerong/Conor/Ubi-ubi	38,665	—	—	585	—	—	—	64	—	—	—	—	—	39,314	2,378
	Remong/Kunyit Kunyit	177	—	—	—	—	—	—	—	—	—	—	—	—	177	11
Se	Semilang	3,406	—	2	107	—	—	—	2,194	—	122	—	—	—	5,831	353
	Shrumbu/Lemah	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Puntong Damar/Bulus	1,946	—	—	510	—	—	—	—	—	—	—	—	—	2,456	149
	Pasir-Pasir	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
34	Alu-Alu/Kacang-Kacang	39,591	—	—	1,847	—	2	—	95	—	—	—	—	—	41,535	2,513
	Aruan Tasik	673	—	—	22	—	—	—	2	—	—	—	—	—	697	42
	Bawal	6,408	755	26	6,302	—	253	—	—	—	—	—	—	—	13,744	831
	Belandak/Kedera	742	1,208	196	5,974	—	—	—	—	—	—	—	—	—	8,120	491
	Cermin/Sagai/Cupak	1,301	—	—	—	—	—	1	29	—	—	—	—	—	1,331	80

JENIS IKAN (TYPE OF FISH)		Pukat Tunda (Trawl Nets)	Pukat-Pukat Tarik (Seine nets)		Pukat Hanyut (Drift/Gill Nets)	Pukat Tangguk (Lift Nets)	Perangkap-Petangkap (Traps)		Pancing (Hooks & Lines)	Pukat Bakul (Bag Nets)	Pukat Rentang (Barrier Nets)	Pukat Surung (Push Nets)	Memungut Siput (Shell-fish Collection)	Rampasan (Miscellaneous)	Jumlah (Total)	
ISCAAP Group No.	Nama Tempat (Local Name)		Pukat Jerut (Purse Seines)	Lain-lain Pukat Tarik (Other Seines)			Belat-Belat (Stationary)	Bubu (Port-able)							Pikul (Piculs)	M. Ton (Metric Tonnes)
34	Cencaru	17,899	54,592	—	680	—	10	—	28	—	—	—	—	—	73,209	4,429
	Demudok/Rambai	14	—	—	—	—	—	—	7	—	—	—	—	—	21	1
	Kurua/Senangin/Senohong	3,105	6,770	26	7,383	—	—	—	372	—	—	—	—	—	17,656	1,068
	Pelata/Selar	10,076	45,989	—	1,210	—	5	—	26	—	—	—	—	—	57,306	3,467
	Selar Kuning/Lolong	4,836	39,251	—	27	—	3	—	—	—	—	—	—	—	44,117	2,669
	Selayang/Curut	3,000	66,973	—	18	—	—	—	—	—	—	—	—	—	69,991	4,234
	Pisang-Pisang	232	—	—	49	—	—	—	—	—	—	—	—	—	281	17
35	Talang	97	320	—	192	—	7	—	41	—	—	—	—	—	657	40
	Bilis	9	114,027	—	—	—	3,375	—	—	—	—	—	—	—	117,411	7,103
	Parang-Parang	11,469	222	—	5,263	—	54	—	—	—	—	—	—	—	17,008	1,029
	Tamban	1,416	24,514	—	348	—	80	—	—	—	—	—	—	—	26,358	1,595
	Terubuk	—	—	—	296	—	—	—	—	—	—	—	—	—	296	18
	Bulan-Bulan	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Aya/Kayu/Tongkol	947	16,626	—	3,197	—	—	—	—	—	—	—	—	—	20,770	1,256
36	Layaran/Mersuji	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Kembong/Temenong	25,122	132,803	—	7,692	—	—	—	—	—	—	—	—	—	165,617	10,019
	Tenggiri	12,534	487	—	11,097	—	32	—	—	—	—	—	—	—	24,150	1,461
37	Timah/Layor/Selayor	22,559	48	—	588	—	6	—	32	—	—	—	—	—	23,233	1,405
	Pari	8,402	—	27	219	—	—	50	1,142	—	—	—	—	—	9,840	595
	Yu	6,192	275	13	1,435	—	—	16	766	—	—	—	—	—	8,697	526
38	Ikan Baja	576,680	34,516	64,710	8,063	—	6	—	—	231	—	—	—	—	684,206	41,392
	Ikan Campur	19,613	—	—	10,740	—	155	190	1,439	—	—	—	—	—	32,137	1,944
	Jebong	1,961	—	—	—	—	44	186	26	—	—	—	—	—	2,217	134
39	Ketam	14,282	—	702	1,689	—	—	—	—	105	—	—	—	3,408	20,186	1,221
	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
42	Udang	283,825	—	111,431	27,666	—	397	—	—	3,436	—	364	—	—	427,119	25,839
	Udang Baring	—	—	—	—	—	20,611	—	—	35,342	—	741	—	—	56,694	3,430
45	Kerang	—	—	—	—	—	—	—	—	—	—	—	771,089	—	771,089	46,648
	Siput/Kepah	—	—	—	—	—	—	—	—	—	—	—	6,262	—	6,262	379
56	Sotong	72,008	—	641	166	—	47	31	—	—	—	—	—	—	72,893	4,410
	Ubur-Ubur	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
76	Jumlah: Pikul (piculs)	1,352,903	539,743	178,543	135,243	—	25,757	7,054	24,725	39,114	295	1,105	777,351	3,408	3,085,241	—
	(Total): Metrik Ton (Metric Tonnes)	81,845	32,652	10,801	8,182	—	1,558	427	1,496	2,366	18	67	47,027	206	—	186,645

SELANGOR

TANGKAPAN IKAN LAUT MENGIKUT KUMPULAN PERKAKAS DAN JENIS IKAN – 1978

(Landings of Marine Fish by Gear Group and Type of Fish – 1978)

Jadual (Table) 2.14(e)

JENIS IKAN (TYPE OF FISH)		Pukat Tunda (Trawl Nets)	Pukat-Pukat Tarik (Seine nets)		Pukat Hanyut (Drift/Gill Nets)	Pukat Tangguk (Lift Nets)	Perangkap Perangkap (Traps)		Pancing (Hooks & Lines)	Pukat Bakul (Bag Nets)	Pukat Rentang (Barrier Nets)	Pukat Surung (Push Nets)	Memungut Siput (Shell-fish Collection)	Ramparan (Miscellaneous)	Jumlah (Total)	
ISSCAAP Group No.	Nama Tempatan (Local Name)		Pukat Jerut (Purse Seines)	Lain-lain Pukat Tarik (Other Seines)			Belat - Belat (Stationary)	Bubu (Port-able)							Pikul (Piculs)	M. Ton (Metric Tonnes)
24	Kebasi/Selangat	561	—	94	399	—	—	—	8	—	—	—	—	—	1,062	64
	Puput/Beliat Mata/Tirok	9,533	—	—	316	—	—	—	—	—	—	—	—	—	9,849	596
25	Siakap	—	—	57	—	—	—	—	—	—	—	—	—	—	57	5
31	Lidah/Sebelah	25,661	—	—	—	—	—	—	—	—	—	—	—	—	25,661	1,552
33	Bayan	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Biji Nangka	6,844	—	3	140	—	—	—	—	—	—	—	—	—	6,987	423
	Daun Baharu	265	—	—	—	—	—	—	6	—	—	—	—	—	271	16
	Delah	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Duri/Pulutan/Utik	8,471	—	125	266	—	—	—	4,513	—	521	—	—	1,250	15,146	916
	Dengkis/Debam	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Gelama/Tengkerong	39,524	—	139	406	—	—	—	435	—	588	—	—	345	41,437	2,507
	Gerut-Gerut	11,504	—	—	80	—	—	—	1,943	—	—	—	—	—	13,527	818
	Jenahak	703	—	—	—	—	—	—	1,444	—	—	—	—	785	2,932	177
	Kachi	—	—	—	—	—	—	—	—	—	—	—	—	315	315	19
	Kerapu	5,383	—	—	—	—	—	—	182	—	—	—	—	—	5,565	337
	Kerisi	23,696	—	—	—	—	—	—	—	—	—	—	—	—	23,696	1,434
	Kerisi Bali	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Kikek	886	—	—	—	—	—	—	—	—	—	—	—	—	886	54
	Malong	13,393	—	—	181	—	—	—	4,509	—	—	—	—	1,515	19,598	1,186
	Merah	8,158	—	—	—	—	—	—	236	—	—	—	—	—	8,394	508
	Mengkerong/Conor/Ubi2	15,628	—	—	—	—	—	—	—	—	—	—	—	—	15,628	945
	Remong/Kunyit-Kunyit	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Semilang	1,110	—	189	90	—	—	—	254	—	625	—	—	—	2,268	137
	Shrumbu/Lemah	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Puntong Damar/Bulus	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Pasir-Pasir	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
34	Alu-Alu/Kacang-Kacang	2,365	—	—	—	—	—	—	—	—	—	—	—	—	2,365	143
	Aruan Tasik	1,964	—	—	20	—	—	—	117	—	—	—	—	—	2,101	127
	Bawal	10,937	—	—	5,182	225	—	—	—	—	—	—	—	—	16,344	989

1 M. Ton (Metric Tonne) = 16 53 Pikul (Piculs)

JENIS IKAN (TYPE OF FISH)		Pukat Tunda (Trawl Nets)	Pukat-Pukat Tarik (Seine nets)		Pukat Hanyut (Drift/Gill Nets)	Pukat Tangguk (Lift Nets)	Perangkap Perangkap (Traps)		Pancing (Hooks & Lines)	Pukat Bakul (Bag Nets)	Pukat Rentang (Barrier Nets)	Pukat Surung (Push Nets)	Memungut Siput (Shell-fish Collection)	Rampasan (Miscellaneous)	Jumlah (Total)	
ISSCAAP Group No.	Nama Tempatan (Local Name)		Pukat Jerut (Purse Seines)	Lain-lain Pukat Tarik (Other Seines)			Belat-Belat (Stationary)	Bubu (Portable)							Pikul (Piculs)	M. Ton (Metric Tonnes)
34	Belanak/Kedera	2,536	—	125	442	—	—	—	—	—	637	—	—	—	3,740	226
	Cernin/Sagai/Cupak	2,912	—	—	—	—	—	—	—	—	—	—	—	—	2,912	176
	Cencaru	19,786	13,058	—	154	—	—	—	632	—	—	—	—	—	33,630	2,034
	Demudok/Rambai	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Kurau/Senangin/Senohong	1,982	—	—	3,792	—	—	—	890	—	—	—	—	—	6,664	403
	Pelata/Selar	2,044	3,545	—	68	—	—	—	—	—	—	—	—	—	5,657	342
	Selar Kuning/Lolong	3,731	—	—	385	—	—	—	—	—	—	—	—	—	4,116	249
	Selayang/Curut	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
35	Pisang-Pisang	118	—	—	—	—	—	—	—	—	—	—	—	—	118	7
	Talang	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Bilis	7,400	—	—	—	—	—	—	—	—	—	—	—	—	7,400	448
	Parang-Parang	11,318	—	—	9,104	274	—	—	89	—	—	—	—	—	20,785	1,257
	Tamban	4,646	20,306	—	—	—	—	—	—	—	—	—	—	—	24,952	1,510
	Terubuk	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Bulan-Bulan	278	—	—	1,200	—	—	—	—	—	—	—	—	—	1,478	89
	Aya/Kayu/Tongkol	—	727	—	—	—	—	—	—	—	—	—	—	—	727	44
36	Layaran/Mersuji	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Kembong/Temenong	11,583	16,915	—	1,266	—	—	—	—	—	—	—	—	—	29,764	1,801
	Tenggiri	6,745	—	—	10,012	210	—	—	—	—	—	—	—	—	16,967	1,026
37	Timah/Layor/Selayor	7,063	—	—	—	—	—	—	—	—	—	—	—	—	7,063	427
	Pari	24,860	—	—	372	—	—	—	3,429	—	—	—	—	—	28,661	1,734
	Yu	21,141	—	—	354	—	—	—	1,979	9	—	—	—	—	23,483	1,421
38	Ikan Baja	639,824	—	59	—	—	—	—	—	77,843	1,720	—	—	—	719,446	43,524
	Ikan Campur	18,245	—	32	1,150	—	—	—	254	6,055	25	—	—	—	25,761	1,558
	Jebong	—	—	—	1,180	—	—	—	—	—	—	—	—	—	1,180	71
42	Ketam	21,435	—	93	—	—	—	—	—	1,070	—	—	—	1,440	24,038	1,454
45	Udang	290,098	—	177	1,472	—	—	—	—	74,432	22	—	—	—	366,201	22,154
	Udang Baring	13,031	—	—	—	—	—	—	—	74,760	—	—	—	—	87,791	5,311
56	Kerang	—	—	—	—	—	—	—	—	—	—	38,164	—	—	38,164	2,309
	Siput/Kepah	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
57	Sotong	33,729	—	222	—	—	—	—	—	—	—	—	—	—	33,951	2,054
76	Ubur-ubur	161	—	—	1,016	850	—	—	—	—	—	—	—	—	2,027	123
Jumlah: Pikul (Piculs)		1,331,252	54,551	1,315	39,047	1,559	—	—	20,920	234,169	4,138	—	38,164	5,650	1,730,765	
(Total) Metrik Ton (Metric Tonnes)		80,536	3,300	80	2,362	94	—	—	1,266	14,166	250	—	2,309	342		104,705

NEGERI SEMBILAN

TANGKAPAN IKAN LAUT MENGIKUT KUMPULAN PERKAKAS DAN JENIS IKAN – 1978

(Landings of Marine Fish by Gear Group and Type of Fish – 1978)

Jadual (Table) 2.14(f)

JENIS IKAN (TYPE OF FISH)		Pukat Tunda (Trawl Nets)	Pukat-Pukat Tarik (Seine nets)		Pukat Hanyut (Drift/ Gill Nets)	Pukat Tangguk (Lift Nets)	Perangkap-Perangkap (Traps)		Pancing (Hooks & Lines)	Pukat Bakul (Bag Nets)	Pukat Rentang (Barrier Nets)	Pukat Surung (Push Nets)	Memungut Siput (Shell-fish Collection)	Rampaian (Miscellaneous)	Jumlah (Total)	
ISSCAAP Group No.	Nama Tempatan (Local Name)		Pukat Jerut (Purse Seines)	Lain-lain Pukat Tarik (Other Seines)			Belat-Belat (Stationary)	Bubu (Port-able)							Pikul (Piculs)	M. Ton (Metric Tonnes)
24	Kebasi/Selangat	—	—	95	164	—	—	—	—	—	—	—	—	—	259	16
	Puput/Beliat Mata/Tirok	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
25	Siakap	—	—	—	—	—	—	13	45	—	—	—	—	—	58	3
31	Lidah/Sebelah	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
33	Bayan	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Biji Nangka	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Daun Baharu	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Delah	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Duri/Pulutan/Utik	—	—	—	—	—	—	—	111	—	—	—	—	—	111	7
	Dengkis/Debam	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Gelama/Tengkerong	—	—	27	135	—	—	—	—	—	—	—	—	—	162	10
	Gerut-Gerut	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Jenahak	—	—	—	—	—	—	102	130	—	—	—	—	—	232	14
	Kachi	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Kerapu	—	—	—	—	—	—	59	63	—	—	—	—	—	122	7
	Kerisi	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Kerisi Bali	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Kikek	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Malong	—	—	—	—	—	—	—	32	—	—	—	—	—	32	2
	Merah	—	—	—	—	—	—	114	94	—	—	—	—	—	208	13
	Mengkerong/Conor/Ubi2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Remong/Kunyit-Kunyit	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Semilang	—	—	—	—	—	—	—	13	—	—	—	—	—	13	1
	Shrumbu/Lamah	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Puntong Damar/Bulus	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Pasir-Pasir	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Alu-Alu/Kacang-Kacang	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Aruan/Tasik	—	—	—	—	—	—	—	9	—	—	—	—	—	9	1
	Bawal	—	—	—	380	—	—	—	—	—	—	—	—	—	380	23

1 M. Ton (Metric Tonne) = 16.53 Pikul (Piculs).

JENIS IKAN (TYPE OF FISH)		Pukat Tunda (Trawl Nets)	Pukat-Pukat Tarik (Seine nets)		Pukat Hanyut (Drift/Gill Nets)	Pukat Tangguk (Lift Nets)	Perangkap-Perangkap (Traps)		Pancing (Hooks & Lines)	Pukat Bakul (Bag Nets)	Pukat Rentang (Barrier Nets)	Pukat Surung (Push Nets)	Memungut Siput (Shell-fish Collection)	Rampaian (Miscellaneous)	Jumlah (Total)	
ISSCAAP Group No.	Nama Tempatan (Local Name)		Pukat Jerut (Purse Seines)	Lain-lain Pukat Tarik (Other Seines)			Belat-Belat (Stationary)	Bubu (Portable)							Pikul (Piculs)	M. Ton (Metric Tonnes)
34	Belanak/Kedera	—	—	15	16	—	—	—	—	—	—	—	—	—	31	2
	Cermin/Sagal/Cupak	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Cencaru	—	—	—	—	—	—	—	104	—	—	—	—	—	104	6
	Demuduk/Rambai	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Kurau/Senangin/Senohong	—	—	—	—	—	—	—	22	—	—	—	—	—	22	1
	Pelata/Selar	—	—	—	—	—	—	—	34	—	—	—	—	—	34	2
	Selar Kuning/Lolong	—	—	—	—	—	—	—	1	—	—	—	—	—	1	—
35	Selayang/Curut	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Pisang-Pisang	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Talang	—	—	—	30	—	—	—	37	—	—	—	—	—	67	4
	Bilis	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Parang-Parang	—	—	—	1,449	—	—	—	—	—	—	—	—	—	1,449	88
36	Tamban	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Terubuk	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Bulan-Bulan	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
37	Aya/Kayu/Tongkol	—	—	—	10	—	—	—	—	—	—	—	—	—	10	1
	Layaran/Mersuji	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
38	Kembong/Temenong	—	—	—	—	—	—	—	67	—	—	—	—	—	67	4
	Tenggiri	—	—	—	1,879	—	—	—	—	—	—	—	—	—	1,879	114
39	Timah/Layor/Selayor	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Pari	—	—	—	—	—	—	—	188	—	—	—	—	—	188	11
42	Yu	—	—	—	—	—	—	—	74	—	—	—	—	—	74	4
	Ikan Baja	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Ikan Campur	—	—	372	807	—	—	—	—	—	—	—	—	—	1,179	71
45	Jebong	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Ketam	—	—	16	16	—	—	—	—	—	—	—	—	4	36	2
56	Udang	—	—	114	138	—	—	—	—	—	—	—	—	—	252	15
	Udang Baring	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
57	Kerang	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Siput/Kepah	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
76	Sotong	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Ubur-ubur	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Jumlah: Pikul (Piculs)	—	—	639	5,024	—	—	288	1,024	—	—	—	—	4	6,979	
	(Total) Metrik Ton (Metric Tonnes)	—	—	39	304	—	—	17	62	—	—	—	—	—	—	422

MELAKA (MALACCA)

TANGKAPAN IKAN LAUT MENGIKUT KUMPULAN PERKAKAS DAN JENIS IKAN – 1978

(Landings of Marine Fish by Gear Group and Type of Fish – 1978)

Jadual (Table) 2.14(g)

JENIS IKAN (TYPE OF FISH)		Pukat Tunda (Trawl Nets)	Pukat-Pukat Tarik (Seine nets)		Pukat Hanyut (Drift/Gill Nets)	Pukat Tangguk (Lift Nets)	Perangkap-Perangkap (Traps)		Pancing (Hooks & Lines)	Pukat Bakul (Bag Nets)	Pukat Rentang (Barrier Nets)	Pukat Surung (Push Nets)	Memungut Siput (Shell-fish Collection)	Rampaian (Miscellaneous)	Jumlah (Total)	
ISSCAAP Group No.	Nama Tempatan (Local Name)		Pukat Jerut (Purse Seines)	Lain-lain Pukat Tarik (Other Seines)			Belat-Belat (Stationary)	Bubu (Port-able)							Pikul (Piculs)	M. Ton (Metric Tonnes)
24	Kebasi/Selangat	—	—	—	630	—	—	—	—	—	—	—	—	—	630	38
	Puput/Beliat Mata/Tirok	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
25	Siakap	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
31	Lidah/Sebelah	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
33	Bayan	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Biji Nangka	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Daun Baharu	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Delah	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Duri/Pulutan/Utik	—	—	269	565	—	—	—	1,604	—	—	—	—	—	2,438	147
	Dengkis/Debam	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Gelama/Tengkerong	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Gerut-Gerut	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Jenahak	—	—	—	—	—	—	—	1,197	—	—	—	—	—	1,197	72
	Kachi	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Kerapu	—	—	—	—	—	—	—	522	—	—	—	—	—	522	32
	Kerisi	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Kerisi Bali	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Kikek	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Malong	—	—	—	—	—	—	—	120	—	—	—	—	—	120	7
	Merah	—	—	—	—	—	—	—	106	—	—	—	—	—	106	6
	Mengkerong/Conor/Ubi2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Remong/Kunyit-Kunyit	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Semilang	—	—	—	—	—	—	—	—	—	261	—	—	—	261	16
	Shrumbu/Lemah	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Puntong Damar/Bulus	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Pasir-Pasir	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
34	Alu-Alu/Kacang-Kacang	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Bawal	—	—	—	496	—	—	—	—	—	—	—	—	—	496	30

1 M. Ton (Metric Tonne) = 1653 Pikul (Piculs)

JENIS IKAN (TYPE OF FISH)		Pukat Tunda (Trawl Nets)	Pukat-Pukat Tarik (Seine nets)		Pukat Hanyut (Drift/Gill Nets)	Pukat Tangguk (Lift Nets)	Perangkap-Perangkap (Traps)		Pancing (Hooks & Lines)	Pukat Bakul (Bag Nets)	Pukat Rentang (Barrier Nets)	Pukat Surung (Push Nets)	Memungut Siput (Shell-fish Collection)	Rampai-an (Miscellaneous)	Jumlah (Total)	
ISSCAAP Group No.	Nama Tempatan (Local Name)		Pukat Jerut (Purse Seines)	Lain-lain Pukat Tarik (Other Seines)			Belat—Belat (Stationary)	Bubu (Port—able)							Pikul (Piculs)	M. Ton (Metric Tonnes)
34	Belanak/Kedera	—	—	—	—	—	—	—	—	—	222	—	—	—	222	13
	Cermin/Sagai/Cupak	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Cencaru	—	—	—	1,073	—	—	—	—	—	—	—	—	—	1,073	65
	Demudok/Rambai	—	—	—	—	—	—	—	29	—	—	—	—	—	29	2
	Kurau/Sanangin/Senohong	—	—	—	—	—	—	—	438	—	—	—	—	—	438	27
	Pelata/Selar	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Selar Kuning/Lolong	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Selayang/Curut	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Pisang-Pisang	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
35	Talang	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Bilis	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Parang-Parang	—	—	—	5,495	—	—	—	—	—	—	—	—	—	5,495	332
	Tamban	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
36	Terubuk	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Bulan-Bulan	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
37	Aya/Kayu/Tongkol	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Layaran Mersuji	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
38	Kembong/Temenong	—	—	—	588	—	—	—	—	—	—	—	—	—	588	36
	Tenggiri	—	—	—	5,287	—	—	—	—	—	—	—	—	—	5,287	320
39	Timah/Layor/Selayor	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Pari	—	—	—	252	—	—	—	1,490	—	—	—	—	—	1,742	105
40	Yu	—	—	—	—	—	—	—	91	—	—	—	—	—	91	6
	Ikan Baja	—	—	169	—	—	828	—	—	—	—	—	—	—	997	60
	Ikan Campur	—	—	269	3,288	—	364	—	—	—	158	102	—	110	4,291	260
41	Jebong	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Ketam	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
42	Udang	—	—	312	443	—	347	—	—	—	—	173	—	—	1,275	77
	Udang Baring	—	—	—	—	—	280	—	—	—	—	270	—	—	550	33
43	Kerang	—	—	—	—	—	—	—	—	—	—	—	12,505	—	12,505	757
	Siput/Kepah	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
44	Sotong	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Ubur-ubur	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Jumlah: Pikul (Piculs)	—	—	1,019	18,117	—	1,819	—	5,597	—	641	545	12,505	110	40,353	
	(Total) Metrik Ton (Metric — Tonnes)	—	—	62	1,096	—	110	—	338	—	39	33	756	7		2,441

JOHOR BARAT (JOHORE WEST)
TANGKAPAN IKAN LAUT MENGIKUT KUMPULAN PERKAKAS DAN JENIS IKAN – 1978
(Landings of Marine Fish by Gear Group and Type of Fish – 1978)

Jadual (Table) 2.14(h)

JENIS IKAN (TYPE OF FISH)		Pukat Tunda (Trawl Nets)	Pukat-Pukat Tarik (Seine nets)		Pukat Hanyut (Drift/Gill Nets)	Pukat Tangguk (Lift Nets)	Perangkap-Perangkap (Traps)		Pancing (Hooks & Lines)	Pukat Bakul (Bag Nets)	Pukat Rentang (Barrier Nets)	Pukat Surung (Push Nets)	Memungut Siput (Shell-fish Collection)	Rampaian (Miscellaneous)	Jumlah (Total)	
ISSCAAP Group No.	Nama Tempatan (Local Name)		Pukat Jerut (Purse Seines)	Lain-lain Pukat Tarik (Other Seines)			Belat-Belat (Stationary)	Bubu (Portable)							Pikul (Pikuls)	M. Ton (Metric Tonnes)
24	Kebasi/Selangat	—	—	31	775	5	46	—	—	—	—	—	—	—	857	52
	Puput/Beliat Mata/Tirok	1,260	—	97	172	—	188	—	—	—	—	—	—	—	1,717	104
25	Siakap	—	—	—	—	—	8	72	17	—	—	—	—	—	97	6
31	Lidah/Sebelah	109	—	27	201	1	34	—	—	—	31	—	—	—	403	24
33	Bayan	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Biji Nangka	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Daun Baharu	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Delah	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Duri/Pulutan/Utik	212	—	74	1,652	7	448	—	2,263	137	73	—	—	—	4,866	294
	Dengkis/Debam	—	—	—	—	—	—	22	—	—	—	—	—	—	22	1
	Gelama/Tengkerong	3,617	—	269	1,226	2	984	—	153	14	778	—	—	—	7,043	426
	Gerut-Gerut	7	—	—	2	—	34	11	—	—	—	—	—	—	54	3
	Jenahak	14	—	—	—	—	5	1,015	482	—	—	—	—	—	1,516	92
	Kachi	—	—	—	—	—	—	214	—	—	—	—	—	—	214	13
	Kerapu	—	—	—	3	—	—	624	112	—	—	—	—	—	739	45
	Kerisi	—	—	—	—	—	—	35	—	—	—	—	—	—	35	2
	Kerisi Bali	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Kikek	—	—	16	16	2	79	10	—	—	19	—	—	—	142	9
	Malong	1,094	—	—	98	—	32	—	3,033	—	—	—	—	—	4,257	257
	Merah	22	—	—	—	—	45	1,048	1,435	—	—	—	—	—	2,550	154
	Mengkerong/Conor/Ubi2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Remong/Kunyit-Kunyit	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Semilang	—	—	129	23	6	248	—	291	—	516	—	—	—	1,213	73
	Shrumbu/Lemah	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Puntong Damar/Bulus	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Pasir-Pasir	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
34	Alu-Alu/Kacang-Kacang	118	—	—	—	—	56	—	—	—	—	—	—	—	174	10
	Aruan Tasik	—	—	—	—	—	4	—	13	—	—	—	—	—	17	1
	Bawal	957	—	53	3,281	—	410	—	—	12	21	—	—	—	4,734	286
	Belanak/Kedera	44	—	196	51	11	35	—	—	19	562	—	—	—	918	56
	Cermin/Sagai/Cupak	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Cencaru	104	—	450	2,614	—	—	—	—	—	—	—	—	—	3,168	192
	Demudok/Rambai	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

JENIS IKAN (TYPE OF FISH)		Pukat Tunda (Trawl Nets)	Pukat-Pukat Tarik (Seine nets)		Pukat Hanyut (Drift/Gill Nets)	Pukat Tangguk (Lift Nets)	Perangkap Perangkap (Traps)		Pancing (Hooks & Lines)	Pukat Bakul (Bag Nets)	Pukat Rentang (Barrier Nets)	Pukat Surung (Push Nets)	Memungut Siput (Shell-fish Collection)	Rampasan (Miscellaneous)	Jumlah (Total)	
ISCAAP Group No.	Nama Tempatan (Local Name)		Pukat Jerut (Purse Seines)	Lain-lain Pukat Tarik (Other Seines)			Belat--Belat (Stationary)	Bubu (Port-able)							Pikul (Piculs)	M. Ton (Metric Tonnes)
34	Kurau/Senangin/Senohong	983	—	58	190	—	25	—	754	—	—	—	—	—	2,010	122
	Pelata/Selar	83	—	2	53	2	89	—	—	—	1	—	—	—	230	14
	Selar Kuning/Lolong	46	—	32	57	3	66	—	—	—	13	—	—	—	217	13
	Selayang/Curut	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Pisang-Pisang	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
35	Talang	—	—	—	164	—	25	—	4	—	—	—	—	—	193	12
	Bilis	185	—	30	—	—	200	—	—	—	—	—	—	—	415	25
	Parang-Parang	548	—	230	10,522	—	118	—	—	—	—	—	—	—	11,418	691
	Tamban	289	—	9	120	3	280	—	—	—	16	—	—	—	717	43
	Terubuk	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
36	Bulan-Bulan	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Aya/Kayu/Tongkol	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
37	Layaran/Mersuji	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Kembong/Temenong	—	—	18	224	5	30	—	—	—	11	—	—	—	288	17
	Tenggiri	300	—	310	10,386	—	48	—	45	—	—	—	—	—	11,089	671
38	Timah/Layor/Selayor	371	—	23	1,125	2	779	—	16	—	26	—	—	—	2,342	142
	Pari	1,218	—	—	513	—	260	82	3,708	73	—	—	—	—	5,854	354
	Yu	1,310	—	—	44	—	15	—	119	—	—	—	—	—	1,488	90
39	Ikan Baja	34,094	—	804	55	—	8,124	—	—	2,680	747	—	—	—	46,504	2,813
	Ikan Campur	7,257	—	1,008	11,488	—	5,691	32	—	3,062	399	—	—	—	28,937	1,751
	Jebong	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
42	Ketam	4	—	—	4,507	2	95	—	—	—	13	34	—	—	4,655	282
45	Udang	22,682	—	2,552	10,986	1	3,450	—	—	1,077	807	446	—	—	42,001	2,541
	Udang Baring	266	—	24	4	—	—	—	—	9,815	—	—	—	—	10,109	612
56	Kerang	—	—	—	—	—	—	—	—	—	—	—	9,489	—	9,489	574
	Siput/Kepah	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
57	Sotong	2,124	—	—	—	—	143	—	—	—	—	—	—	—	2,267	137
76	Ubur-Ubur	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Jumlah: Pikul (Piculs)		79,318	—	6,442	60,552	52	22,094	3,165	12,445	16,889	4,033	480	9,489	—	214,959	
(Total) : Metrik Ton (Metric Tonnes)		4,798	—	390	3,663	3	1,337	191	753	1,022	244	29	574	—		13,004

KELANTAN
TANGKAPAN IKAN LAUT MENGIKUT KUMPULAN PERKAKAS DAN JENIS IKAN – 1978
(Landings of Marine Fish by Gear Group and Type of Fish – 1978)

Jadual (Table) 2.14 (i)

JENIS IKAN (TYPE OF FISH)		Pukat Tunda (Trawl Nets)	Pukat-Pukat Tarik (Seine nets)		Pukat Hanyut (Drift/Gill Nets)	Pukat Tangguk (Lift Nets)	Perangkap-Perangkap (Traps)		Pancing (Hooks & Lines)	Pukat Bakul (Bag Nets)	Pukat Rentang (Barrier Nets)	Pukat Surung (Push Nets)	Memungut Siput (Shell-fish Collection)	Rampaian (Miscellaneous)	Jumlah (Total)	
ISSCAAP Group No.	Nama Tempatan (Local Name)		Pukat Jerut (Purse Seines)	Lain-lain Pukat Tarik (Other Seines)			Belat-Belat (Stationary)	Bubu (Port-able)							Pikul (Piculs)	M. Ton (Metric Tonnes)
24	Keksai/Selangat	—	—	—	215	—	—	—	—	—	—	—	—	—	215	13
	Puput/Beliat Mata/Tirok	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
25	Siakap	—	—	—	2	—	—	3	9	—	—	—	—	—	14	1
31	Lidah/Sebelah	157	—	—	—	—	—	—	—	—	—	—	—	—	157	9
33	Bayan	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Biji Nangka	834	—	—	—	—	—	28	13	—	—	—	—	—	875	53
	Daun Baharu	133	—	—	—	—	—	—	—	—	—	—	—	—	133	8
	Delah	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Duri/Puputan/Utik	328	—	—	31	—	—	1	1	—	—	—	—	—	361	22
	Dengkis/Debam	31	—	—	—	—	—	—	—	—	—	—	—	—	31	2
	Gelama/Tengkerong	935	—	85	1,021	61	—	—	76	—	—	—	—	—	2,178	132
	Gerut-Gerut	390	—	—	28	—	—	131	39	—	—	—	—	—	588	36
	Jenahak	—	—	—	—	—	—	113	48	—	—	—	—	—	161	10
	Kachi	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Kerapu	412	—	—	—	—	—	1,216	31	—	—	—	—	—	1,659	100
	Kerisi	792	—	—	11	60	—	1,328	350	—	—	—	—	—	2,541	154
	Kerisi Bali	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Kikek	705	—	—	—	—	—	—	—	—	—	—	—	—	705	43
	Malong	24	—	—	—	—	—	18	6	—	—	—	—	—	48	3
	Merah	332	—	—	1	—	—	1,246	10	—	—	—	—	—	1,589	96
	Mengkerong/Conor/Ubi2	294	—	—	—	—	—	—	—	—	—	—	—	—	294	18
	Remong/Kunyit-Kunyit	173	—	—	31	—	—	8	—	—	—	—	—	—	212	13
	Semilang	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Shrumbu/Lemah	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Puntong Damar/Bulus	1,013	—	—	85	—	—	—	—	—	—	—	—	—	1,098	66
	Pasir-Pasir	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
34	Alu-Alu/Kacang-Kacang	529	—	—	—	—	—	9	2	—	—	—	—	—	540	33
	Aruan Tasik	28	—	—	5	—	—	67	11	—	—	—	—	—	111	8
	Bawal	268	—	—	700	323	—	—	—	—	—	—	—	—	1,291	78
	Belanak/Kedera	—	—	—	—	—	—	—	—	—	—	17	—	—	17	1
	Germin/Sagai/Cupak	548	—	—	—	—	—	—	—	—	—	—	—	—	548	33

1 M. Ton (Metric Tonne) = 16.53 Pikul (Piculs)

JENIS IKAN (TYPE OF FISH)		Pukat Tunda (Trawl Nets)	Pukat-Pukat Tarik (Seine nets)		Pukat Hanyut (Drift/Gill Nets)	Pukat Tangguk (Lift Nets)	Perangkap-Perangkap (Traps)		Pancing (Hooks & Lines)	Pukat Bakul (Bag Nets)	Pukat Rintang (Barrier Nets)	Pukat Surung (Push Nets)	Memungut Siput (Shell-fish Collection)	Rampai-an (Miscellaneous)	Jumlah (Total)	
ISSCAAP Group No.	Nama Tempatan (Local Name)		Pukat Jerut (Purse Seines)	Lain-lain Pukat Tarik (Other Seines)			Belat—Belat (Stationary)	Bubu (Port—able)							Pikul (Piculs)	M. Ton (Metric Tonnes)
34	Cencaru	760	143	—	46	25	—	—	44	—	—	—	—	—	1,018	62
	Demuduk/Rambai	95	—	—	6	—	—	17	129	—	—	—	—	—	247	15
	Kurau/Senangin/Senohong	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Pelata/Selar	355	37,098	4	54	9,176	—	—	61	—	—	—	—	—	46,748	2,828
	Selar Kuning/Lolong	690	27,652	12	275	16,050	—	—	203	—	—	—	—	—	44,882	2,715
	Selayang/Curut	36	39,898	—	44	2,246	—	—	—	—	—	—	—	—	42,224	2,554
	Pisang-Pisang	24	—	—	—	—	—	—	—	—	—	—	—	—	24	1
	Talang	20	—	—	—	—	—	—	—	—	—	—	—	—	20	1
35	Bilis	310	307	318	100	—	—	—	—	—	—	—	—	—	1,035	63
	Parang-Parang	162	—	—	1,263	—	—	—	200	—	—	—	—	—	1,625	98
	Tamban	96	3,414	—	4,746	2,455	—	—	—	—	—	—	—	—	10,711	648
	Terubuk	2	—	—	—	—	—	—	—	—	—	—	—	—	2	—
	Bulan-Bulan	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
36	Aya/Kayu/Tongkol	15	70	—	461	9	—	—	1,284	—	—	—	—	—	1,839	111
	Layar/Mersuji	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
37	Kembong/Temenong	40	34,992	—	204	351	—	—	145	—	—	—	—	—	35,732	2,162
	Tenggiri	269	—	—	1,066	7	—	—	612	—	—	—	—	—	1,954	118
	Timah/Layor/Selayor	841	15	123	1,146	—	—	—	—	—	—	—	—	—	2,125	129
38	Pari	280	—	—	—	—	—	5	4	—	—	—	—	—	289	17
	Yu	306	—	—	35	—	—	3	27	—	—	—	—	—	371	22
39	Ikan Baja	4,905	—	—	—	—	—	—	—	—	—	—	—	—	4,905	297
	Ikan Campur	3,277	—	168	2,209	—	—	26	146	—	—	—	—	—	5,826	352
	Jebong	3	—	—	—	—	—	—	—	—	—	—	—	—	3	—
42	Ketam	306	—	—	304	—	—	—	—	—	—	—	—	—	610	37
45	Udang	2,192	—	—	1,531	—	—	—	—	—	—	—	—	—	3,723	225
	Udang Baring	220	—	146	—	—	—	—	—	—	—	100	—	16,280	16,746	1,013
56	Kerang	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Siput/Kepah	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
57	Sotong	1,044	—	—	8	—	—	—	—	—	—	—	—	490	1,542	93
76	Ubur-Ubur	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Jumlah: Pikul (Piculs)	24,174	143,589	856	15,628	30,763	—	4,219	3,451	—	—	117	—	16,770	239,567	
	(Total) Metrik Ton (Metric Tonnes)	1,462	8,687	52	945	1,861	—	255	209	—	—	7	—	1,015		14,493

TRENGGANU

TANGKAPAN IKAN LAUT MENGIKUT KUMPULAN PERKAKAS DAN JENIS IKAN – 1978

(Landings of Marine Fish by Gear Group and Type of Fish – 1978)

Jadual (Table) 2.14(j)

JENIS IKAN (TYPE OF FISH)		Pukat Tunda (Trawl Nets)	Pukat-Pukat Tarik (Seine nets)		Pukat Hanyut (Drift/Gill Nets)	Pukat Tangguk (Lift Nets)	Perangkap-Perangkap (Traps)		Pancing (Hooks & Lines)	Pukat Bakul (Bag Nets)	Pukat Rentang (Barrier Nets)	Pukat Surung (Push Nets)	Memungut Siput (Shell-fish Collection)	Rampaian (Miscellaneous)	Jumlah (Total)	
ISSCAAP Group No.	Nama Tempatan (Local Name)		Pukat Jerut (Purse Seines)	Lain-lain Pukat Tarik (Other Seines)			Belat-Belat (Stationary)	Bubu (Port-able)							Pikul (Pikuls)	M. Ton (Metric Tonnes)
24	Kebasi/Selangat	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Puput/Beliat Mata/Tirok	—	—	—	—	—	—	62	—	—	—	—	—	—	62	4
25	Siakap	—	—	—	—	—	—	139	—	—	—	—	—	—	139	8
31	Lidah/Sebelah	3,443	—	—	—	—	—	—	—	—	—	—	—	—	3,443	208
33	Bayan	—	—	—	—	—	—	120	12	—	—	—	—	—	132	8
	Biji Nangka	10,595	—	—	—	—	—	376	1,621	—	—	—	—	—	12,592	762
	Daun Baharu	1,095	—	—	555	—	—	65	160	—	—	—	—	—	1,875	113
	Delah	368	—	—	—	—	—	211	44	—	—	—	—	—	623	38
	Duri/Pulutan/Utik	4,029	3,529	45	3,524	—	—	368	2,125	—	—	—	—	—	13,620	824
	Dengkis/Debam	3,724	—	—	—	—	—	698	6	—	—	—	—	—	4,428	268
	Gelama/Tengkerong	7,311	3,164	180	1,275	—	—	76	470	—	—	—	—	—	12,476	755
	Gerut-Gerut	929	—	—	—	—	—	660	274	—	—	—	—	—	1,863	113
	Jenahak	7	—	—	—	—	—	262	292	—	—	—	—	—	561	34
	Kachi	1,056	—	—	—	—	—	459	1,246	—	—	—	—	—	2,761	167
	Kerapu	1,079	—	—	—	—	—	5,093	4,392	—	—	—	—	—	10,564	639
	Kerisi	45,081	—	—	960	—	—	3,570	8,896	—	—	—	—	—	58,507	3,540
	Kerisi Bali	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Kikek	3,662	3,330	5	1,888	820	—	210	676	—	—	—	—	—	10,591	641
	Malong	17	—	—	—	—	—	56	—	—	—	—	—	—	73	4
	Merah	629	—	—	—	—	—	16,722	2,928	—	—	—	—	—	20,279	1,227
	Mengkerong/Conor/Ubi2	1,339	—	—	—	—	—	32	—	—	—	—	—	—	1,371	83
	Remong/Kunyit-Kunyit	633	—	—	—	—	—	729	1,918	—	—	—	—	—	3,280	198
	Semilang	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Shrumbu/Lemah	2,122	—	—	—	—	—	—	—	—	—	—	—	—	2,122	128
	Puntong Damar/Bulus	4,873	—	—	—	—	—	—	182	—	—	—	—	—	5,055	306
	Pasir-Pasir	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
34	Alu-Alu/Kacang-Kacang	650	2,020	—	641	27	—	—	1,471	—	—	—	—	—	4,809	291
	Aruan Tasik	13	770	—	728	318	—	235	3,335	—	—	—	—	—	5,399	327
	Bawa!	—	1,663	—	1,850	2,303	—	—	—	—	—	—	—	—	5,816	352

1 M.Ton (Metric Tonne) = 16.53 Pikul (Pikuls)

JENIS IKAN (TYPE OF FISH)		Pukat Tunda (Trawl Nets)	Pukat-Pukat Tarik (Seine nets)		Pukat Hanyut (Drift/Gill Nets)	Pukat Tangguk (Lift Nets)	Perangkap-Perangkap (Traps)		Pancing (Hooks & Lines)	Pukat Bakul (Bag Nets)	Pukat Rentang (Barrier Nets)	Pukat Surung (Push Nets)	Memungut Siput (Shell-fish Collection)	Rampai-an (Miscellaneous)	Jumlah (Total)	
ISSCAAP Group No.	Nama Tempatan (Local Name)		Pukat Jerut (Purse Seines)	Lain-lain Pukat Tarik (Other Seines)			Belat-Belat (Stationary)	Bubu (Port-able)							Pikul (Pikuls)	M. Ton (Metric Tonnes)
34	Belanak/Kedera	—	—	—	407	—	—	—	—	—	—	—	—	—	407	25
	Cermin/Sagai/Cupak	5,503	1,560	30	750	1,108	—	2,324	1,952	—	—	—	—	—	13,227	800
	Cencaru	—	11,322	—	6,426	6,570	—	—	4,852	—	—	—	—	—	29,170	1,765
	Demudok/Rambai	—	—	—	—	111	—	3,112	1,985	—	—	—	—	—	5,208	315
	Kurau/Senangin/Senohong	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Pelata/Selar	2,200	51,232	—	9,162	7,996	—	—	13,998	—	—	—	—	—	84,588	5,117
	Selar Kuning/Lolong	1,690	38,213	—	4,860	14,942	—	—	403	—	—	—	—	—	60,108	3,636
	Selayang/Curut	1,400	138,364	—	6	22,039	—	20	1,407	—	—	—	—	—	163,236	9,875
35	Pisang-Pisang	1,440	—	—	—	—	—	100	300	—	—	—	—	—	1,840	111
	Talang	—	—	—	311	16	—	40	389	—	—	—	—	—	756	46
	Billis	—	48,221	795	—	—	—	—	—	—	—	—	—	—	49,016	2,965
	Parang-Parang	2	47	—	5,403	420	—	—	108	—	—	—	—	—	5,980	362
	Tamban	—	80,652	30	1,293	3,888	—	—	—	—	—	—	—	—	85,863	5,194
	Terubuk	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Bulan-Bulan	8	—	—	—	—	—	133	—	—	—	—	—	—	141	9
	Aya/Kayu/Tongkol	—	32,907	—	28,388	377	—	—	55,326	—	—	—	—	—	116,998	7,078
36	Layaran/Mersuji	11	—	—	140	—	—	—	3,011	—	—	—	—	—	3,162	191
	Kembong/Temenong	—	122,919	—	11,745	6,125	—	—	3,040	—	—	—	—	—	143,829	8,701
37	Tenggiri	—	—	—	7,373	—	—	—	17,679	—	—	—	—	—	25,052	1,516
	Timah/Layor/Selayor	860	679	10	634	—	—	—	—	—	—	—	—	—	2,183	132
38	Pari	2,405	—	—	328	42	—	—	806	—	—	—	—	—	3,581	217
	Yu	1,782	535	—	2,833	120	—	5	1,095	—	—	—	—	—	6,370	385
39	Ikan Baja	156,789	—	—	—	—	—	—	—	—	—	—	—	—	156,789	9,485
	Ikan Campur	7,400	23,959	80	16,919	4,920	—	1,721	3,342	—	—	—	—	—	58,341	3,529
	Jebong	17	—	—	—	—	—	2,583	7	—	—	—	—	—	2,607	158
42	Ketam	503	—	—	—	—	—	—	—	—	—	—	—	—	503	30
45	Udang	16,856	—	—	505	—	—	—	—	—	—	—	—	—	17,361	1,050
	Udang Baring	65	—	6,084	—	—	—	—	—	—	—	—	—	—	6,149	372
56	Kerang	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Siput/Kepah	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
57	Sotong	8,844	25	—	—	—	300	2,931	2,456	—	—	—	—	—	—	—
76	Ubur-ubur	—	—	—	—	—	—	—	—	—	—	—	—	6,064	20,620	1,247
Jumlah: Pikul (Pikuls)		300,430	565,111	7,259	108,904	72,142	300	43,112	142,204	—	—	—	—	6,064	1,245,526	75,349
(Total) Metrik Ton (Metric Tonnes)		18,175	34,187	439	6,588	4,364	18	2,608	8,603	—	—	—	—	367	—	—
(Metric Tonnes)																

PAHANG
TANGKAPAN IKAN LAUT MENGIKUT KUMPULAN PERKAKAS DAN JENIS IKAN – 1978
(Landings of Marine Fish by Gear Group and Type of Fish – 1978)

Jadual (Table) 2.14 (k)

JENIS IKAN (TYPE OF FISH)		Pukat Tunda (Trawl Nets)	Pukat-Pukat Tarik (Seine nets)		Pukat Hanyut (Drift/Gill Nets)	Pukat Tangguk (Lift Nets)	Perangkap-Perangkap (Traps)		Pancing (Hooks & Lines)	Pukat Bakul (Bag Nets)	Pukat Rentang (Barrier Nets)	Pukat Surung (Push Nets)	Memungut Siput (Shell-fish Collection)	Ramparan (Miscellaneous)	Jumlah (Total)	
ISSCAAP Group No.	Nama Tempatan (Local Name)		Pukat Jerut (Purse Seines)	Lain-lain Pukat Tarik (Other Seines)			Belat-Belat (Stationary)	Bubu (Port-able)							Pikul (Piculs)	M. Ton (Metric Tonnes)
24	Kebasi/Selangat	738	—	—	—	—	—	—	—	—	—	—	—	—	738	45
	Puput/Beliat Mata/Tirok	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
25	Siakap	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
31	Lidah/Sebelah	183	—	—	—	—	—	—	—	—	—	—	—	—	183	11
33	Bayan	—	—	—	—	—	—	291	—	—	—	—	—	—	291	18
	Biji Nangka	724	—	85	—	—	—	4	18	—	—	—	—	—	831	50
	Daun Baharu	262	—	—	—	—	—	—	—	—	—	—	—	—	262	16
	Delah	—	—	—	—	—	—	311	—	—	—	—	—	—	311	19
	Duri/Pulutan/Utik	1,324	—	100	21	—	—	—	11	—	—	—	—	—	1,456	88
	Dengkis/Debam	727	—	—	—	—	—	256	—	32	—	—	—	—	1,015	61
	Gelama/Tengkerong	2,239	378	99	130	—	—	—	—	—	—	—	—	—	2,846	172
	Gerut-Gerut	—	—	16	—	—	—	316	4	—	—	—	—	—	336	20
	Jenahak	—	—	—	—	—	—	204	6	—	—	—	—	—	210	13
	Kachi	48	—	4	—	—	—	576	78	—	—	—	—	—	706	43
	Kerapu	82	—	7	—	34	—	1,123	294	—	—	—	—	—	1,540	93
	Kerisi	1,766	—	—	12	64	—	1,522	2,800	—	—	—	—	—	6,164	373
	Kerisi Bali	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Kikek	95	—	—	—	—	—	—	—	—	—	—	—	—	95	6
	Malong	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Merah	—	—	—	—	—	—	339	—	14	—	—	—	—	353	21
	Mengkerong/Conor/Ubi2	1,024	—	—	—	—	—	—	—	—	—	—	—	—	1,024	62
	Remong/Kunyit-Kunyit	—	—	—	—	—	—	878	18	—	—	—	—	—	896	54
	Semilang	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Shrumbu/Lemah	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Puntong Damar/Bulus	500	—	—	—	—	—	14	—	—	—	—	—	—	514	31
	Pasir-Pasir	1,110	—	—	—	—	—	—	—	—	—	—	—	—	1,110	67
34	Alu-Alu/Kacang-Kacang	431	56	15	—	—	—	14	363	—	—	—	—	—	879	53
	Arun Tasik	371	—	—	26	—	—	—	90	—	—	—	—	—	487	29
	Bawal	146	36	248	471	—	—	—	—	—	—	—	—	—	901	55

1 M. Ton (Metric Tonne) = 16.53 Pikul (Piculs)

JENIS IKAN (TYPE OF FISH)		Pukat Tunda (Trawl Nets)	Pukat-Pukat Tarik (Seine nets)		Pukat Hanyut (Drift/Gill Nets)	Pukat Tangguk (Lift Nets)	Perangkap-Perangkap (Traps)		Pancing (Hooks & Lines)	Pukat Bakul (Bag Nets)	Pukat Rentang (Barrier Nets)	Pukat Surung (Push Nets)	Memungut Siput (Shell-fish Collection)	Rampaihan (Miscellaneous)	Jumlah (Total)	
ISSCAAP Group No.	Nama Tempatan (Local Name)		Pukat Jerut (Purse Seines)	Lain-lain Pukat Tarik (Other Seines)			Belat-Belat (Stationary)	Bubu (Port-able)							Pikul (Piculs)	M. Ton (Metric Tonnes)
34	Belanak/Kedera	60	16	132	—	—	—	—	—	—	—	—	—	—	208	13
	Cermin/Sagai/Cupak	179	—	—	—	—	—	—	—	—	—	—	—	—	179	11
	Cencaru	24	1,570	—	50	—	—	—	220	—	—	—	—	—	1,864	113
	Demudok/Rambai	—	261	18	78	—	—	999	129	—	—	—	—	—	1,485	90
	Kurau/Senangin/Senohong	85	—	16	237	—	—	124	9	—	—	—	—	—	471	28
	Pelata/Selar	12	6,630	66	404	1,069	—	—	2,054	—	—	—	—	—	10,235	619
	Selar Kuning/Lolong	378	10,129	44	83	5,052	1	—	134	—	—	—	—	—	15,821	957
	Selayang/Curut	—	9,640	—	22	2,162	—	16	—	—	—	—	—	—	11,840	716
	Pisang-Pisang	442	—	—	56	18	—	—	—	—	—	—	—	—	516	31
	Talang	—	28	—	275	—	—	—	—	—	—	—	—	—	303	18
35	Bilis	90	6,063	—	—	—	757	—	—	—	—	—	—	—	6,910	418
	Parang-Parang	228	—	44	1,356	44	—	36	307	—	—	—	—	—	2,015	122
	Tamban	214	16,249	7	26	4,163	41	72	—	—	—	—	—	—	20,772	1,257
	Terubuk	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
36	Bulan-Bulan	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Aya/Kayu/Tongkol	—	909	—	12	—	—	—	597	—	—	—	—	—	1,518	92
37	Layaran/Mersuji	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Kembong/Temenong	24	19,552	—	191	2,355	—	—	—	—	—	—	—	—	22,122	1,338
	Tenggiri	—	—	38	1,278	12	—	—	2,475	—	—	—	—	—	3,803	230
38	Timah/Layor/Selayor	257	—	—	—	—	—	—	—	—	—	—	—	—	257	16
	Pari	3,529	—	21	19	18	—	—	251	—	—	—	—	—	3,838	232
	Yu	903	—	8	292	—	—	—	77	—	—	—	—	—	1,280	77
39	Ikan Baja	107,860	422	128	55	—	78	—	48	105	—	—	—	—	108,696	6,576
	Ikan Campur	7,788	46	1	103	—	5	2,281	—	12	—	—	—	—	10,236	619
	Jebong	—	—	—	—	—	—	613	—	44	—	—	—	—	657	40
42	Ketam	2,339	—	8	3	—	—	—	—	—	—	—	—	—	2,350	142
45	Udang	16,046	—	—	291	—	—	—	—	8	—	—	—	—	16,345	989
56	Udang Baring	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Kerang	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
57	Siput/Kepah	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Sotong	2,739	62	4	—	—	—	8	43	—	—	—	—	—	2,856	173
76	Ubur-Ubur	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Jumlah: Pikul(Piculs)		154,967	72,047	1,109	5,491	14,991	882	9,997	10,026	215	—	—	—	—	269,725	16,317
(Total) Metrik Ton (Metric Tonnes)		9,375	4,359	67	332	907	53	605	606	13	—	—	—	—	—	

JOHOR TIMUR (JOHORE EAST)
TANGKAPAN IKAN LAUT MENGIKUT KUMPULAN PERKAKAS DAN JENIS IKAN – 1978
(Landings of Marine Fish by Gear Group and Type of Fish – 1978)

Jadual (Table) 2.14 (I)

JENIS IKAN (TYPE OF FISH)		Pukat Tunda (Trawl Nets)	Pukat-Pukat Tarik (Seine nets)			Pukat Tangguk (Lift Nets)	Perangkap-Perangkap (Traps)		Pancing (Hooks & Lines)	Pukat Bakul (Bag Nets)	Pukat Rentang (Barrier Nets)	Pukat Surung (Push Nets)	Memungut Siput (Shell-fish Collection)	Rampaiian (Miscellaneous)	Jumlah (Total)	
ISSCAAP Group No.	Nama Tempatan (Local Name)		Pukat Jerut (Purse Seines)	Lain-lain Pukat Tarik (Other Seines)	Pukat Hanyut (Drift/Gill Nets)		Belat-Belat (Stationary)	Bubu (Port-able)							Pikul (Piculs)	M. Ton (Metric Tonnes)
24	Kebasi/Selangat	—	—	24	1,263	—	82	—	—	42	—	—	—	—	1,411	85
	Puput/Beliat Mata/Tirok	1,439	—	—	2	—	—	—	—	—	—	—	—	—	1,441	87
25	Siakap	—	—	—	3	—	55	7	57	72	—	—	—	—	194	12
31	Lidah/Sebleah	1,097	—	—	—	—	—	—	—	—	—	—	—	—	1,097	66
33	Bayan	8	—	—	—	—	—	190	—	43	—	—	—	—	241	15
	Biji Nangka	4,508	—	21	—	—	—	—	—	—	—	—	—	—	4,529	274
	Daun Baharu	383	—	—	—	—	—	—	—	—	—	—	—	—	383	23
	Delah	—	—	—	—	—	—	303	45	—	—	—	—	—	348	21
	Duri/Pulutan/Utik	9,720	—	32	719	—	113	75	999	148	—	—	—	—	11,806	714
	Dengkis/Debam	3,199	—	6	—	—	425	45	48	430	—	—	—	—	4,153	251
	Gelama/Tengkerong	17,476	—	20	384	—	345	—	21	—	—	—	—	—	18,246	1,104
	Gerut-Gerut	—	—	—	—	17	75	2	—	—	—	—	—	—	94	6
	Jenahak	—	—	—	—	—	—	102	244	—	—	—	—	—	346	21
	Kachi	1,138	—	—	17	—	35	250	401	—	—	—	—	—	1,841	111
	Kerapu	574	—	—	5	—	106	593	223	—	—	—	—	—	1,501	91
	Kerisi	27,202	—	—	—	—	91	6	310	—	—	—	—	—	27,609	1,670
	Kerisi Bali	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Kikek	1,444	—	—	—	—	685	—	—	—	—	—	—	—	3,621	219
	Malong	1,206	—	—	—	—	—	—	—	1,492	—	—	—	—	1,206	73
	Merah	1,584	—	—	58	—	94	398	783	—	—	—	—	—	2,917	176
	Mengkerong/Conor/Ubi2	—	—	—	—	—	729	—	—	—	—	—	—	—	729	44
	Remong/Kunyit-Kunyit	958	—	—	—	—	88	2	386	—	—	—	—	—	1,434	87
	Semilang	—	—	65	—	—	76	68	—	—	—	52	—	—	261	16
	Shrumbu/Lemah	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Puntong Damar/Bulus	1,034	—	—	—	—	—	—	—	—	—	—	—	—	1,034	63
	Pasir-Pasir	648	—	—	—	—	—	7	—	—	—	—	—	—	655	40
34	Alu-Alu/Kacang-Kacang	603	—	—	—	—	443	—	137	408	—	—	—	—	1,591	96
	Aruan Tasik	853	—	—	10	—	—	16	—	—	—	—	—	—	879	53
	Bawal	1,173	242	75	1,443	2,082	—	—	—	—	—	—	—	—	5,015	303

1 M. Ton (Metric Tonne) = 16 53 Pikul (Piculs)

JENIS IKAN (TYPE OF FISH)		Pukat Tunda (Trawl Nets)	Pukat-Pukat Tarik (Seine nets)		Pukat Hanyut (Drift/Gill Nets)	Pukat Tangguk (Lift Nets)	Perangkap-Perangkap (Traps)		Pancing (Hooks & Lines)	Pukat Bakul (Bag Nets)	Pukat Rentang (Barrier Nets)	Pukat Surung (Push Nets)	Memungut Siput (Shell-fish Collection)	Rampaian (Miscellaneous)	Jumlah (Total)	
ISCAAP Group No.	Nama Tempatan (Local Name)		Pukat Jerut (Purse Seines)	Lain-lain Pukat Tarik (Other Seines)			Belat-Belat (Stationary)	Bubu (Port-able)							Pikul (Piculs)	M. Ton (Metric Tonnes)
34	Belanak/Kedera	—	—	32	735	—	301	—	—	—	—	—	—	27	1,095	66
	Cermin/Sagai/Cupak	2,953	—	—	106	—	5	114	619	—	—	—	—	—	3,797	230
	Cencaru	660	178	—	6,343	—	—	—	1,439	—	—	—	—	—	8,620	521
	Demudok/Rambai	—	2,380	—	33	—	9	28	406	—	—	—	—	—	2,856	173
	Kurau/Senangin/Senohong	—	—	6	—	—	26	3	28	—	—	—	—	—	63	4
	Pelata/Sealr	2,057	16,254	—	1,934	3,354	45	—	3,345	—	—	—	—	—	26,989	1,633
	Selar Kuning/Lolong	18,007	14,257	—	—	17,272	102	—	—	—	—	—	—	—	49,638	3,003
	Selayang/Curut	—	59,323	—	70	14,605	—	—	308	—	—	—	—	—	74,306	4,495
35	Pisang-Pisang	—	—	—	—	—	—	—	22	—	—	—	—	—	22	1
	Talang	133	—	—	526	—	125	—	58	—	—	—	—	—	842	51
	Bilis	247	—	—	—	—	3,248	—	—	—	—	—	—	—	3,495	211
	Parang-Parang	254	—	—	5,829	—	—	—	—	—	—	—	—	—	6,083	368
	Tamban	2,095	46,152	—	231	13,458	1,299	—	235	39	—	—	—	—	63,509	3,842
	Terubok	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Bulan-Bulan	—	—	—	—	—	—	—	9	—	—	—	—	—	9	1
	Aya/Kayu/Tongkol	24	10,335	—	11,965	143	—	—	5,235	—	—	—	—	—	27,702	1,676
36	Layaran/Mersuji	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Kembong/Temenong	—	33,818	—	10,805	660	—	—	393	—	—	—	—	—	45,676	2,763
	Tenggiri	588	12	—	8,911	3	—	—	4,861	—	—	—	—	—	14,375	870
37	Timah/Layor/Selayor	2,093	—	1	—	—	72	—	—	372	—	—	—	—	2,538	154
	Pari	17,676	—	28	1,061	—	411	—	913	72	—	—	—	—	20,161	1,220
	Yu	11,304	—	20	6,275	—	56	—	528	93	—	—	—	—	18,276	1,106
38	Ikan Baja	83,653	—	220	66	—	486	—	—	19,895	—	—	—	—	104,320	6,311
	Ikan Campur	33,289	—	200	929	—	1,786	73	416	6,048	—	55	—	21	42,817	2,590
	Jebong	386	—	—	34	—	—	39	—	—	—	—	—	—	459	28
42	Ketam	7,480	—	26	171	—	600	—	—	1,439	—	7	—	118	9,841	595
45	Udang	27,672	—	33	516	—	443	—	—	8,676	—	8	—	119	37,467	2,267
	Udang Baring	—	—	—	—	—	866	—	—	77,063	—	—	—	—	77,929	4,714
56	Kerang	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
57	Siput/Kepah	—	—	—	—	—	131	—	—	—	—	—	—	—	131	8
	Sotong	54,694	—	—	38	47	209	—	32	39	—	—	—	199	55,258	3,343
76	Ubur-ubur	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Jumlah: Pikul (Piculs)		341,512	182,951	809	60,482	51,641	13,662	2,321	22,501	116,371	—	122	—	484	792,856	
(Total) Metrik Ton (Metric Tonnes):		20,660	11,068	49	3,659	3,124	827	141	1,361	7,040	—	7	—	29		47,965

SEMENANJUNG MALAYSIA (PENINSULAR MALAYSIA)
PENDARATAN UDANG BAGI TAHUN 1964-1978
(Prawn Landings for the Years 1964-1978)
Kuantiti Dalam M.Ton (Quantiti in.M.Tonnes)

Jadual (Table) 2.15

Tahun (Year)	Pantai Barat (West Coast)								Jumlah Kecil (Sub- Total)	Pantai Timur (East Coast)				Jumlah Kecil (Sub- Total)	Jumlah Besar (Grand Total)
	Perlis	Kedah	P.Pinang (Penang)	Perak	Selangor	Negeri Sembilan	Melaka Malacca	Johor Barat (J.West)		Kelantan	Trengganu	Pahang	Johor Timur (J.East)		
1964	94.3	526.0	1,038.8	7,578.5	3,620.7	10.4	24.4	* 116.6	13,009.7	29.8	235.0	25.6	517.7	808.1	13,817.8
1965	162.6	306.3	1,785.1	6,514.7	4,590.0	16.4	35.4	* 895.6	14,306.1	156.8	120.7	18.3	426.5	722.3	15,028.4
1966	183.0	219.7	1,138.3	6,228.2	6,193.3	14.0	47.2	*1,096.5	15,120.2	127.3	289.7	16.8	1,498.7	1,932.5	17,052.7
1967	96.6	382.5	1,563.6	9,562.3	10,266.0	10.6	36.8	*1,698.4	23,616.8	205.4	338.2	247.3	990.7	1,781.6	25,398.4
1968	64.2	653.9	2,532.0	14,681.1	7,905.4	5.6	80.2	784.6	26,707.0	256.7	281.6	273.7	1,698.2	2,510.2	29,217.2
1969	54.7	825.6	3,912.0	16,084.7	8,206.9	8.9	143.8	901.9	30,138.5	188.1	182.4	253.9	1,018.0	1,642.4	31,780.9
1970	99.0	673.3	4,857.5	17,403.3	13,958.5	20.7	168.5	963.7	38,144.5	422.0	207.6	435.9	2,104.3	3,169.8	41,314.3
1971	81.5	1,228.7	7,141.5	17,885.3	18,932.0	16.4	92.9	1,309.5	46,687.8	406.1	241.8	550.4	1,358.3	2,556.6	49,244.4
1972	150.4	1,652.1	7,827.7	16,589.2	8,813.5	6.2	40.3	1,870.0	36,949.4	303.7	280.1	764.8	1,440.6	2,789.2	39,738.6
1973	855.4	2,352.1	9,032.7	17,802.3	13,510.2	6.2	61.1	1,940.3	45,560.3	136.1	421.7	572.2	1,393.5	2,523.5	48,083.8
1974	1,592.0	2,667.5	7,789.3	19,977.1	14,122.8	4.9	44.8	2,432.3	48,630.7	222.1	357.4	849.8	1,753.5	3,182.8	51,813.5
1975	1,150.2	3,084.5	6,736.4	17,037.0	7,671.4	15.3	43.6	2,228.9	37,967.3	379.5	550.2	772.0	1,332.1	3,033.8	41,001.1
1976	654.6	5,365.0	5,703.6	16,934.3	12,223.8	18.9	41.6	2,639.7	43,581.5	229.1	752.1	813.7	2,274.9	4,069.8	47,651.3
1977	1,335.6	8,424.9	4,016.2	21,437.5	12,831.0	20.0	58.1	2,864.1	50,987.4	350.7	1,112.5	881.2	1,252.7	3,597.1	54,584.5
1978	2,204.7	7,085.6	3,101.1	25,839.0	22,153.7	15.3	77.1	2,540.9	63,017.4	225.2	1,050.3	988.8	2,266.6	4,530.9	67,548.3

*Angka-Angka Anggaran
(Estimated Figure)

PENDARATAN PUKAT TUNDA DI SEMENANJUNG MALAYSIA, 1973 - 1978

(Trawl Landings in Peninsular Malaysia, 1973 - 1978)

Kuantiti dlm. M. Ton (Qty. in M. Tonnes)

Jadual (Table)

2.16

Negeri (State)	1974				1975				1976				1977				1978			
	Jumlah Tangkapan (Total Landings)	Ikan (Fish)	Udang (Prawn)	Baja (Manure Fish)	Jumlah Tangkapan (Total Landings)	Ikan (Fish)	Udang (Prawn)	Baja (Manure Fish)	Jumlah Tangkapan (Total Landings)	Ikan (Fish)	Udang (Prawn)	Baja (Manure Fish)	Jumlah Tangkapan (Total Landings)	Ikan (Fish)	Udang (Prawn)	Baja (Manure Fish)	Jumlah Tangkapan (Total Landings)	Ikan (Fish)	Udang (Prawn)	Baja (Manure Fish)
Perlis	5,745	1,567	1,459	2,719	5,656	1,587	1,021	3,048	4,428	1,237	517	2,674	7,966	1,095	1,193	5,678	10,456	913	2,067	7,476
Kedah	28,154	9,285	2,252	16,617	30,971	10,094	2,619	18,258	39,363	17,214	4,769	17,380	58,687	26,039	7,690	24,958	54,181	24,078	6,469	23,634
P. Pinang (Penang)	10,141	3,370	2,185	4,586	8,334	3,634	2,087	2,613	6,501	2,679	1,358	2,464	4,989	1,798	923	2,268	3,531	1,763	407	1,361
Perak	45,165	8,758	13,737	22,670	47,086	11,824	14,672	20,590	51,045	13,104	13,244	24,697	66,451	19,597	16,393	30,461	81,845	29,788	17,170	34,887
Selangor	57,523	4,625	7,384	45,514	48,694	4,671	4,565	39,458	67,765	17,363	10,846	39,556	82,335	20,812	10,914	50,609	80,536	24,279	17,550	38,707
N. Sembilan	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Melaka (Malacca)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Kelantan	1,923	1,305	128	490	2,966	1,988	311	667	1,387	740	158	489	1,055	490	308	257	1,462	1,033	132	297
Trengganu	11,296	4,906	355	6,035	13,525	6,162	550	6,813	17,790	8,829	726	8,235	20,022	9,585	1,062	9,375	18,175	7,670	1,020	9,485
Pahang	11,759	3,595	822	7,342	7,231	2,203	756	4,272	8,891	1,828	788	6,275	8,264	1,670	861	5,733	9,375	1,879	971	6,525
Johor Timur (J. East)	17,800	7,504	1,413	8,883	11,812	5,825	1,059	4,928	17,016	8,231	1,730	7,055	5,262	2,646	890	1,726	20,660	13,926	1,674	5,060
Johor Barat (J. West)	6,088	1,872	1,714	2,502	6,613	1,886	1,688	3,039	6,493	1,692	2,064	2,737	6,094	1,589	1,963	2,542	4,798	1,364	1,372	2,062
Jumlah (Total):—	195,594	46,787	31,449	117,358	182,888	49,874	29,328	103,686	220,679	72,917	36,200	111,562	261,125	85,321	42,197	133,607	285,019	106,693	48,832	129,494

SEMENANJUNG MALAYSIA (PENINSULAR MALAYSIA)
TANGKAPAN PUKAT TUNDA MENGIKUT UKURAN MUATAN DAN NEGERI – 1978
(Landings by Trawlers by Tonnage and State – 1978)

Jadual (Table)
2.17

Ukuran Muatan (Tonnage)	Negeri (State)	Pantai Barat (West Coast)							Jumlah Kecil (Sub-Total)	Pantai Timur (East Coast)				Jumlah Kecil (Sub-Total)	Jumlah Besar (Grand Total)		
		Perlis	Kedah	Pulau Pinang	Perak	Selangor	Negeri Sembilan	Melaka		Johor Barat	Kelantan	Trengganu	Pahang		Johor Timur	Pikul (Piculs)	M. Ton (M. Tonnes)
0 – 4.9 Tons		12,386	18,160	—	148,231	34,584	—	—	3,171	216,532	—	—	—	1,395	1,395	217,927	13,184
5 - 9.9 Tons		52,134	57,716	—	248,572	345,808	—	—	48,914	753,144	5,075	108,970	32,179	17,242	163,466	916,610	55,451
10 – 19.9 Tons		55,767	87,056	—	382,338	497,251	—	—	23,391	1 045,803	3,832	136,988	19,200	57,315	217,335	1,263,138	76,415
20 – 29.9 Tons		—	285,530	—	344,909	264,841	—	—	3,309	898,589	5,223	23,166	66,853	107,647	202,889	1,101,478	66,635
30 – 49.9 Tons		52,546	401,077	58,365	228,853	188,768	—	—	533	930,142	10,044	31,306	36,735	131,308	209,393	1,139,535	68,938
50 – 99.9 Tons		—	46,065	—	—	—	—	—	—	46,065	—	—	—	26,605	26,605	72,670	4,396
100 Tan dan lebih (100 Tons and above)		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Jumlah Pikul : (Piculs)		172,833	895,604	58,365	1,352,903	1,331,252	—	—	79,318	3,890,275	24,174	300,430	154,967	341,512	821,083	4,711,358	
(Total) M. Ton (M. Tonnes)		10,456	54,181	3,531	81,845	80,536	—	—	4,798	235,347	1,462	18,175	9,375	20,660	49,672		285,019

1 M. Ton (Metric Tonne) = 16.53 Pikul (Piculs)

SEMENANJUNG MALAYSIA (PENINSULA MALAYSIA)
TANGKAPAN PUKAT TUNDA MENGIKUT UKURAN MUATAN DAN JENIS IKAN – 1978
(Landings by Trawlers by Tonnage and Type of Fish – 1978)

Jadual (Table) 2.18

ISCAAP Group No.	Ukuran Muatan (Tonnage) Jenis Ikan (Type of Fish)	0 – 4.9	5 – 9.9	10 – 19.9	20 – 29.9	30 – 49.9	50 – 99.9	100 Tan & lebih (100 Tons & above)	Jumlah Pikul (Total Piculs)
		Tons	Tons	Tons	Tons	Tons	Tons		
24	Kebasi/Selangat	—	—	766	874	1,822	— 26	—	3,488
	Puput/Beliat Mata	200	1,446	8,219	1,801	923	127	—	12,716
25	Siakap	10	201	478	307	497	7	—	1,500
31	Lidah/Sebelah	2,354	12,853	18,583	11,377	8,431	52	—	53,650
33	Bayan	—	1	3	4	39	—	—	47
	Biji Nangka	28	4,473	10,204	13,631	19,055	467	—	47,858
	Daun Baharu	—	725	1,071	856	1,412	90	—	4,154
	Delah	—	123	587	1,287	840	—	—	2,837
	Duri/Pulutan/Utik	252	4,735	14,807	12,431	10,660	589	—	43,474
	Dengkis/Debam	36	827	1,713	1,992	2,755	358	—	7,681
	Gelama/Tengkerong	5,862	14,044	24,901	30,271	32,022	2,974	—	110,074
	Gerut-Gerut	198	3,136	7,310	6,365	5,861	216	—	23,086
	Jenahak	3	25	2,101	2,740	3,393	215	—	8,477
	Kaci	5	336	2,630	2,978	2,989	76	—	9,014
	Kerapu	535	1,399	5,515	6,741	6,673	85	—	20,948
	Kerisi	240	10,973	35,746	43,538	57,656	3,699	—	151,852
	Kerisi Bali	—	—	—	—	—	—	—	—
	Kikek	1	1,541	2,281	2,327	3,126	279	—	9,555
	Malong	292	4,132	7,635	7,174	4,336	68	—	23,637
	Merah	79	482	3,927	11,207	9,609	155	—	25,459
	Mengkerong/Conor/Ubi2	22	1,136	15,216	38,866	37,754	2,395	—	95,389
	Remong/Kunyit-Kunyit	8	368	523	342	620	84	—	1,945
	Semilang	77	570	2,109	1,082	746	—	—	4,584
	Shrumbu/Lemah	—	891	480	561	364	—	—	2,296
	Puntong Damar/Bulus	94	1,607	2,631	2,163	4,487	92	—	11,074
	Pasir-Pasir	—	—	6	1,226	526	—	—	1,758
34	Alu-Alu/Kacang-Kacang	18	655	16,566	20,344	15,233	1,366	—	54,182
	Aruan Tasik	95	271	697	1,574	1,300	404	—	4,341
	Bawal	122	3,996	7,600	5,449	5,880	230	—	23,277
	Belanak/Kedera	107	103	1,428	749	995	—	—	3,382
	Cermin/Sagai/Cupak	15	1,311	3,129	3,578	6,202	198	—	14,433
	Cincaru	527	3,575	13,786	12,600	9,901	87	—	40,476
	Demudok/Rambai	—	1	1	39	418	37	—	496
	Kurau/Senangin/Senohong	309	1,289	2,283	1,291	1,482	131	—	6,785
	Pelata/Selar	100	976	6,541	5,369	6,007	717	—	19,710
	Selar Kuning/Lolong	604	2,143	6,793	8,275	10,575	1,648	—	30,038
	Selayang/Curut	219	726	1,664	887	975	12	—	4,483
	Pisang-Pisang	—	321	384	728	823	—	—	2,256
	Talang	—	19	102	33	114	25	—	293
35	Billis	2	3,707	3,729	521	279	52	—	8,290
	Parang-Parang	296	2,724	10,987	14,693	14,347	2,046	—	45,093
	Tambah	—	675	917	9,227	14,278	3,559	—	28,656
	Terubok	—	—	2	—	—	—	—	2
	Bulan-Bulan	—	3	5	278	6	—	—	292
36	Aya/Kayu/Tongkol	—	—	58	352	574	2	—	986
	Layaran/Mersuji	—	4	7	—	—	—	—	11
37	Kembong/Temenong	22	643	12,426	63,144	88,946	16,085	—	181,266
	Tenggiri	220	1,924	7,722	10,320	8,296	763	—	29,245
	Timah/Layor/Selayor	229	1,966	12,191	12,750	11,606	446	—	39,188
38	Pari	3,913	7,783	15,400	16,955	16,055	1,493	—	61,599
	Yu	328	7,868	15,818	9,933	9,492	765	—	44,204
39	Ikan Baja	85,115	429,774	594,486	527,681	489,189	14,297	—	2,140,542
	Ikan Campur	3,707	24,939	31,351	22,924	26,080	3,566	—	112,567
	Jebong	2	83	113	1,088	1,055	26	—	2,367
42	Ketan	3,097	15,718	17,365	9,461	9,348	572	—	55,561
45	Udang	101,919	306,101	231,714	70,775	94,937	1,744	—	807,190
	Udang Baring	—	181	13,296	55	50	—	—	13,582
56	Kerang	—	—	—	—	—	—	—	—
	Siput/Kepah	—	—	—	—	—	—	—	—
57	Sotong	6,665	31,051	65,075	68,219	78,496	10,345	—	259,851
76	Ubur-ubur	—	56	60	45	—	—	—	161
	JUMLAH	217,927	916,610	1,263,138	1,101,478	1,139,535	72,670	—	4,711,358

SEMENANJUNG MALAYSIA – PANTAI BARAT
(PENINSULAR MALAYSIA – WEST COAST)

TANGKAPAN PUKAT TUNDA MENGIKUT UKURAN MUATAN DAN JENIS IKAN – 1978

(Landings by Trawlers by Tonnage and Type of Fish – 1978)

Jadual (Table) 2.19

ISSCAP Group No.	Ukuran Muatan (Tonnage) Jenis Ikan (Type of Fish)	0 – 4.9	5 – 9.9	10 – 19.9	20 – 29.9	30 – 49.9	50 – 99.9	100 Tan & lebih (100 Tons & above)	Jumlah Pikul (Total Piculs)
		Tons	Tons	Tons	Tons	Tons	Tons		
24	Kebasi/Selangat	—	—	766	238	1,720	26	—	2,750
	Puput/Beliat Mata	188	1,199	7,926	1,467	497	—	—	11,277
25	Siakap	10	201	478	307	497	7	—	1,500
31	Lidah/Sebelah	2,352	11,364	16,635	10,622	7,790	7	—	48,770
33	Bayan	—	—	—	—	39	—	—	39
	Biji Nangka	28	1,214	3,619	11,039	15,263	34	—	31,197
	Daun Baharu	—	118	425	579	1,109	50	—	2,281
	Delah	—	—	342	1,287	840	—	—	2,469
	Duri/Pulutan/Utik	235	2,887	11,182	7,994	5,774	1	—	28,073
	Dengkis/Debam	—	—	—	—	—	—	—	—
	Gelama/Tengkerong	5,850	10,736	18,950	22,783	22,472	1,322	—	82,113
	Gerut-Gerut	198	2,859	6,828	6,109	5,557	216	—	21,767
	Jenahak	3	22	2,097	2,740	3,393	215	—	8,470
	Kaci	—	38	1,862	2,580	2,292	—	—	6,772
	Kerapu	524	991	5,074	6,259	5,922	31	—	18,801
	Kerisi	131	709	8,213	31,170	35,198	1,590	—	77,011
	Kerisi Bali	—	—	—	—	—	—	—	—
	Kikek	—	—	91	1,594	1,885	79	—	3,649
	Malong	292	4,084	7,475	6,792	3,746	1	—	22,390
	Merah	75	202	3,511	10,512	8,614	—	—	22,914
	Mengkerong/Conor/Ubi2	22	392	14,721	37,945	37,257	2,395	—	92,732
	Remong/Kunyit-Kunyit	—	—	—	—	181	—	—	181
	Semilang	77	570	2,109	1,082	746	—	—	4,584
	Shrumbu/Lemah	—	—	—	—	174	—	—	174
	Puntong Damar/Bulus	93	218	312	1,084	1,892	55	—	3,654
	Pasir-Pasir	—	—	—	—	—	—	—	—
34	Alu-Alu/Kacang-Kacang	14	216	15,896	19,827	14,712	1,304	—	51,969
	Aruan Tasik	95	256	649	1,112	908	56	—	3,076
	Bawal	122	3,929	7,430	5,043	5,076	90	—	21,690
	Belanak/Kedera	107	85	1,392	749	989	—	—	3,322
	Cermin/Sagai/Cupak	—	—	398	1,880	2,966	6	—	5,250
	Cincaru	527	3,472	13,594	12,254	9,159	26	—	39,032
	Demudok/Rambai	—	—	—	36	328	37	—	401
	Kurau/Senangin/Senohong	309	1,289	2,283	1,229	1,459	131	—	6,700
	Pelat/Selar	94	304	4,477	4,621	5,077	513	—	15,086
	Selar Kuning/Lolong	589	740	2,246	2,471	3,226	1	—	9,273
	Selayang/Curut	219	370	607	880	959	12	—	3,047
	Pisang-Pisang	—	37	45	63	205	—	—	350
	Talang	—	—	55	3	75	7	—	140
35	Bilis	—	3,636	3,566	383	58	—	—	7,643
	Parang-Parang	295	2,621	10,909	14,492	14,128	2,002	—	44,447
	Tamban	—	517	536	8,517	13,280	3,401	—	26,251
	Terubok	—	—	—	—	—	—	—	—
	Bulan-Bulan	—	—	—	278	6	—	—	284
36	Aya/Kayu/Tongkol	—	—	57	343	547	—	—	947
	Layaran/Mersuji	—	—	—	—	—	—	—	—
37	Kembong/Temenong	22	630	12,410	63,144	88,911	16,085	—	181,202
	Tenggiri	213	1,869	7,566	10,067	7,971	702	—	28,388
	Timah/Layor/Selayor	227	1,033	11,233	11,761	10,574	309	—	35,137
38	Pari	3,869	5,937	10,915	9,433	7,554	1	—	37,709
	Yu	315	6,790	12,997	5,600	4,202	5	—	29,909
39	Ikan Baja	84,861	332,369	500,694	437,673	421,627	10,111	—	1,787,335
	Ikan Campur	3,562	15,833	20,932	7,663	12,281	542	—	60,813
	Jebong	—	—	28	989	944	—	—	1,961
42	Ketam	3,093	14,260	15,385	6,408	5,749	38	—	44,933
45	Udang	101,587	293,734	212,218	57,995	78,890	—	—	744,424
	Udang Baring	—	106	13,191	—	—	—	—	13,297
56	Kerang	—	—	—	—	—	—	—	—
	Siput/Kepah	—	—	—	—	—	—	—	—
57	Sotong	6,334	25,251	51,418	49,447	55,423	4,657	—	192,530
76	Ubur-Ubur	—	56	60	45	—	—	—	161
	JUMLAH	216,532	753,144	1,045,803	898,589	930,142	46,065	—	3,890,275

SEMENANJUNG MALAYSIA – PANTAI TIMUR
(PENINSULAR MALAYSIA – EAST COAST)
TANGKAPAN PUKAT TUNDA MENGIKUT UKURAN MUATAN DAN JENIS IKAN – 1978

(Landings by Trawlers by Tonnage and Type of Fish – 1978)

Jadual (Table) 2.20

ISSCAAP Group No.	Ukuran Muatan (Tonnage) Jenis Ikan (Type of Fish)	0 – 4.9	5 – 9.9	10 – 19.9	20 – 29.9	30 – 49.9	50 – 99.9	100 Tan & lebih (100 Tons & above)	Jumlah Pikul (Total Piculs)
		Tons	Tons	Tons	Tons	Tons	Tons		
24	Kebasi/Selangat	—	—	—	636	102	—	—	738
	Puput/Beliat Mata	12	247	293	334	426	127	—	1,439
25	Siakap	—	—	—	—	—	—	—	—
31	Lidah/Sebelah	2	1,489	1,948	755	641	45	—	4,880
33	Bayan	—	1	3	4	—	—	—	8
	Biji Nangka	—	3,259	6,585	2,592	3,792	433	—	16,661
	Daun Baharu	—	607	646	277	303	40	—	1,873
	Delah	—	123	245	—	—	—	—	368
	Duri/Pulutan/Utik	17	1,848	3,625	4,437	4,886	588	—	15,401
	Dengkis/Debam	36	827	1,713	1,992	2,755	358	—	7,681
	Gelama/Tengkerong	12	3,308	5,951	7,488	9,550	1,652	—	27,961
	Gerut-Gerut	—	277	482	256	304	—	—	1,319
	Jenahak	—	3	4	—	—	—	—	7
	Kaci	5	298	768	398	697	76	—	2,242
	Kerapu	11	408	441	482	751	54	—	2,147
	Kerisi	109	10,264	27,533	12,368	22,458	2,109	—	74,841
	Kerisi Bali	—	—	—	—	—	—	—	—
	Kikek	1	1,541	2,190	733	1,241	200	—	5,906
	Malong	—	48	160	382	590	67	—	1,247
	Merah	4	280	416	695	995	155	—	2,545
	Mengkerong/Conor/Ubi2	—	744	495	921	497	—	—	2,657
	Remong/Kunyi-Kunhit	8	368	523	342	439	84	—	1,764
	Semilang	—	—	—	—	—	—	—	—
	Shrumbu/Lemah	—	891	480	561	190	—	—	2,122
	Puntong Damar/Bulus	1	1,389	2,319	1,079	2,595	37	—	7,420
	Pasir-Pasir	—	—	6	1,226	526	—	—	1,758
34	Alu-Alu/Kacang-Kacang	4	439	670	517	521	62	—	2,213
	Aruan Tasik	—	15	48	462	392	348	—	1,265
	Bawal	—	67	170	406	804	140	—	1,587
	Belanak/Kedera	—	18	36	—	6	—	—	60
	Cermin/Sagai/Cupak	15	1,311	2,731	1,698	3,236	192	—	9,183
	Cincaru	—	103	192	346	742	61	—	1,444
	Demudok/Rambai	—	1	1	3	90	—	—	95
	Kurau/Senangin/Senohong	—	—	—	62	23	—	—	85
	Pelata/Selar	6	672	2,064	748	930	204	—	4,624
	Selar Kuning/Lolong	15	1,403	4,547	5,804	7,349	1,647	—	20,765
	Selayang/Curut	—	356	1,057	7	16	—	—	1,436
	Pisang-Pisang	—	284	339	665	618	—	—	1,906
	Talang	—	19	47	30	39	18	—	153
35	Bilis	2	71	163	138	221	52	—	647
	Parang-Parang	1	103	78	201	219	44	—	646
	Tamban	—	158	381	710	998	158	—	2,405
	Terubok	—	—	2	—	—	—	—	2
	Bulan-Bulan	—	3	5	—	—	—	—	8
36	Aya/Kayu/Tongkol	—	—	1	9	27	2	—	39
	Layaran/Mersuji	—	4	7	—	—	—	—	11
37	Kembong/Temenong	—	13	16	—	35	—	—	64
	Tengiri	7	55	156	253	325	61	—	857
	Timah/Layor/Selayor	2	933	958	989	1,032	137	—	4,051
38	Pari	44	1,846	4,485	7,522	8,501	1,492	—	23,890
	Yu	13	1,078	2,821	4,333	5,290	760	—	14,295
39	Ikan Baja	254	97,405	93,792	90,008	67,562	4,186	—	353,207
	Ikan Campur	145	9,106	10,419	15,261	13,799	3,024	—	51,754
	Jebang	2	83	85	99	111	26	—	406
42	Ketam	4	1,458	1,980	3,053	3,599	534	—	10,628
45	Udang	332	12,367	19,496	12,780	16,047	1,744	—	62,766
	Udang Baring	—	75	105	55	50	—	—	285
56	Kerang	—	—	—	—	—	—	—	—
	Siput/Kepah	—	—	—	—	—	—	—	—
57	Sotong	331	5,800	13,657	18,772	23,073	5,688	—	67,321
76	Ubur-ubur	—	—	—	—	—	—	—	—
	JUMLAH	1,395	163,466	217,335	202,889	209,393	26,605	—	821,083

TANGKAPAN PUKAT TUNDA MENGIKUT UKURAN MUATAN DAN JENIS IKAN - 1978

(Landings by Trawlers by Tonnage and Type of Fish - 1978)

Jadual (Table) 2.21 (a)

ISSCAAP Group No.	Jenis Ikan (Type of Fish)	Ukuran Muatan (Tonnage)		0 - 4.9 Tons	5 - 9.9 Tons	10 - 19.9 Tons	20 - 29.9 Tons	30 - 49.9 Tons	50 - 99.9 Tons	100 Tan & lebih (100 Tons & above)	Jumlah Pikui (Total Piculs)
24	Kebasi/Selangat	-	-	-	-	-	-	431	-	-	431
	Puput/Beliat Mata	-	-	-	-	-	-	-	-	-	-
25	Siakap	-	-	-	-	-	-	-	-	-	-
31	Lidah/Sebelah	-	125	139	-	-	-	882	-	-	1,146
33	Bayan	-	-	-	-	-	-	-	-	-	-
	Biji Nangka	-	-	-	-	-	-	-	-	-	-
	Daun Baharu	-	-	-	-	-	-	-	-	-	-
	Delah	-	-	-	-	-	-	-	-	-	-
	Duri/Pulutan/Utik	-	-	-	-	-	-	-	-	-	-
	Dengkis/Debam	-	-	-	-	-	-	-	-	-	-
	Gelama/Terigkerong	-	45	60	-	-	-	3,139	-	-	3,244
	Gerut-Gerut	-	-	-	-	-	-	92	-	-	92
	Jenahak	-	-	-	-	-	-	-	-	-	-
	Kaci	-	-	-	-	-	-	-	-	-	-
	Kerapu	-	-	-	-	-	-	82	-	-	82
	Kerisi	-	-	-	-	-	-	150	-	-	150
	Kerisi Bali	-	-	-	-	-	-	-	-	-	-
	Kikek	-	-	-	-	-	-	-	-	-	-
	Malong	-	-	-	-	-	-	-	-	-	-
	Merah	-	-	-	-	-	-	-	-	-	-
	Mengkerong/Conor/Ubi2	-	-	-	-	-	-	-	-	-	-
	Remong/Kunyit-Kunyit	-	-	-	-	-	-	-	-	-	-
	Semilang	-	-	-	-	-	-	-	-	-	-
	Shrumbu/Lemah	-	-	-	-	-	-	-	-	-	-
	Puntong Damar/Bulus	-	25	31	-	-	-	117	-	-	173
	Pasir-Pasir	-	-	-	-	-	-	-	-	-	-
34	Alu-Alu/Kacang-Kacang	-	-	-	-	-	-	-	-	-	-
	Araun Tasik	-	-	-	-	-	-	-	-	-	-
	Bawal	-	-	-	-	-	-	-	-	-	-
	Belanak/Kedera	-	-	-	-	-	-	-	-	-	-
	Cermin/Sagai/Cupak	-	-	-	-	-	-	-	-	-	-
	Cincaru	-	-	-	-	-	-	-	-	-	-
	Demudok/Rambai	-	-	-	-	-	-	-	-	-	-
	Kurau/Senangin/Senohong	-	-	-	-	-	-	-	-	-	-
	Pelat/Selar	-	-	-	-	-	-	-	-	-	-
	Selar Kuning/Lolong	-	-	-	-	-	-	-	-	-	-
	Selayang/Curut	-	-	-	-	-	-	-	-	-	-
	Pisang-Pisang	-	-	-	-	-	-	-	-	-	-
	Talang	-	-	-	-	-	-	-	-	-	-
35	Bilis	-	-	-	-	-	-	-	-	-	-
	Parang-Parang	-	47	65	-	-	-	521	-	-	633
	Tamban	-	-	-	-	-	-	-	-	-	-
	Terubok	-	-	-	-	-	-	-	-	-	-
	Bulan-Bulan	-	-	-	-	-	-	-	-	-	-
36	Aya/Kayu/Tongkol	-	-	-	-	-	-	-	-	-	-
	Layaran/Mersuji	-	-	-	-	-	-	-	-	-	-
37	Kembong/Temenong	-	-	-	-	-	-	-	-	-	-
	Tenggiri	-	-	-	-	-	-	-	-	-	-
	Timah/Layor/Setayor	-	62	74	-	-	-	462	-	-	598
38	Pari	4	57	64	-	-	-	407	-	-	532
	Yu	-	-	-	-	-	-	-	-	-	-
39	Ikan Baja	9,944	42,203	44,128	-	-	-	27,298	-	-	123,573
	Ikan Campur	328	1,272	1,534	-	-	-	376	-	-	3,510
	Jebong	-	-	-	-	-	-	-	-	-	-
42	Ketam	-	112	125	-	-	-	639	-	-	876
45	Udang	1,931	7,358	8,443	-	-	-	16,431	-	-	34,163
	Udang Baring	-	-	-	-	-	-	-	-	-	-
56	Kerang	-	-	-	-	-	-	-	-	-	-
	Siput/Kepah	-	-	-	-	-	-	-	-	-	-
57	Sotong	179	828	1,104	-	-	-	1,519	-	-	3,630
76	Ubur-ubur	-	-	-	-	-	-	-	-	-	-
	JUMLAH	12,386	52,134	55,767	-	-	-	52,546	-	-	172,833

KEDAH
TANGKAPAN PUKAT TUNDA MENGIKUT UKURAN MUATAN DAN JENIS IKAN - 1978
(Landings by Trawlers by Tonnage and Type of Fish - 1978)

Jadual (Table) 2.21 (b)

ISSCAAP Group No.	Ukuran Muatan (Tonnage) Jenis Ikan (Type of Fish)	0 - 4.9 Tons	5 - 9.9 Tons	10 - 19.9 Tons	20 - 29.9 Tons	30 - 49.9 Tons	50 - 99.9 Tons	100 Tan & lebih (100 Tons & above)	Jumlah Pikul (Total Piculs)
24	Kebasi/Selangat	-	-	-	25	286	26	-	337
	Puput/Beliat Mata	-	-	-	-	-	-	-	-
25	Siakap	-	-	-	-	6	7	-	13
31	Lidah/Sebelah	165	774	1,225	2,698	2,727	7	-	7,596
33	Bayan	-	-	-	-	-	-	-	-
	Biji Nangka	-	-	182	841	1,637	34	-	2,694
	Daun Baharu	-	-	47	121	644	50	-	862
	Delah	-	-	-	-	-	-	-	-
	Duri/Pulutan/Utik	-	153	197	267	388	1	-	1,006
	Dengkis/Debam	-	-	-	-	-	-	-	-
	Gelama/Tengkerong	-	-	50	4,570	7,276	1,322	-	13,218
	Gerut-Gerut	-	-	-	328	1,100	216	-	1,644
	Jenahak	-	-	-	306	1,327	215	-	1,848
	Kaci	-	-	-	-	418	-	-	418
	Kerapu	-	134	544	707	1,006	31	-	2,422
	Kerisi	8	275	2,118	4,354	9,707	1,590	-	18,052
	Kerisi Bali	-	-	-	-	-	-	-	-
	Kikek	-	-	-	-	90	79	-	169
	Malong	-	-	-	326	457	1	-	784
	Merah	-	-	-	-	6	-	-	6
	Mengkerong/Conor/Ubi2	-	317	2,200	15,085	18,009	2,395	-	38,006
	Remong/Kunyit-Kunyit	-	-	-	-	4	-	-	4
	Semilang	-	-	-	-	-	-	-	-
	Shrumbu/Lemah	-	-	-	-	-	-	-	-
	Puntong Damar/Bulus	-	55	89	205	1,131	55	-	1,535
	Pasir-Pasir	-	-	-	-	-	-	-	-
34	Alu-Alu/Kacang-Kacang	-	-	824	2,353	4,947	1,304	-	9,428
	Aruan Tasik	-	-	-	47	336	56	-	439
	Bawal	-	-	99	223	2,146	90	-	2,558
	Belanak/Kedera	-	-	-	-	-	-	-	-
	Cermin/Sagai/Cupak	-	-	-	25	601	6	-	632
	Cincaru	-	-	-	11	539	26	-	576
	Demudok/Ramabai	-	-	-	22	80	37	-	139
	Kurau/Senangin/Senohong	-	-	-	165	186	131	-	482
	Pelata/Selar	-	-	-	425	1,275	513	-	2,213
	Selar Kuning/Lolong	-	-	-	20	639	1	-	660
	Selayang/Curut	-	-	-	3	32	12	-	47
	Pisang-Pisang	-	-	-	-	-	-	-	-
	Talang	-	-	-	2	34	7	-	43
35	Bilis	-	-	-	-	49	-	-	49
	Parang-Parang	-	-	1,588	6,662	9,238	2,002	-	19,490
	Tamban	-	-	-	7,495	8,588	3,401	-	19,484
	Terubuk	-	-	-	-	-	-	-	-
	Bulan-Bulan	-	-	-	-	6	-	-	6
36	Aya/Kayu/Tongkol	-	-	-	-	-	-	-	-
	Layaran/Mersuji	-	-	-	-	-	-	-	-
37	Kembong/Temenong	-	-	-	48,319	79,228	16,085	-	143,632
	Tenggiri	-	-	646	2,673	4,324	702	-	8,345
	Timah/Layor/Selayor	-	-	-	978	2,157	309	-	3,444
38	Pari	-	-	465	847	833	1	-	2,146
	Yu	-	-	132	235	387	5	-	759
39	Ikan Baja	12,753	37,444	51,961	130,536	147,860	10,111	-	390,665
	Ikan Campur	80	690	413	1,280	6,539	542	-	9,544
	Jebong	-	-	-	-	-	-	-	-
42	Ketam	121	517	1,151	2,804	2,232	38	-	6,863
45	Udang	4,411	15,408	13,205	24,192	49,713	-	-	106,929
	Udang Baring	-	-	-	-	-	-	-	-
56	Kerang	-	-	-	-	-	-	-	-
	Siput/Kepah	-	-	-	-	-	-	-	-
57	Sotong	622	1,949	9,920	26,380	32,889	4,657	-	76,417
76	Ubur-ubur	-	-	-	-	-	-	-	-
	JUMLAH	18,160	57,716	87,056	285,530	401,077	46,065	-	895,604

TANGKAPAN PUKAT TUNDA MENGIKUT UKURAN MUATAN DAN JENIS IKAN - 1978

(Landings by Trawlers by Tonnage and Type of Fish - 1978)

Jadual (Table) 2.21 (c)

ISSCAAP Group No.	Jenis Ikan (Type of Fish)	Ukuran Muatan (Tonnage)							Jumlah Pikul (Total Piculs)
		0 - 4.9 Tons	5 - 9.9 Tons	10 - 19.9 Tons	20 - 29.9 Tons	30 - 49.9 Tons	50 - 99.9 Tons	100 Tan & lebih (100 Tons & above)	
24	Kebasi/Selangat	-	-	-	-	668	-	-	668
	Puput/Beliat Mata	-	-	-	-	484	-	-	484
25	Siakap	-	-	-	-	-	-	-	-
31	Lidah/Sebelah	-	-	-	-	859	-	-	859
33	Bayan	-	-	-	-	39	-	-	39
	Biji Nangka	-	-	-	-	1,173	-	-	1,173
	Daun Baharu	-	-	-	-	348	-	-	348
	Delah	-	-	-	-	35	-	-	35
	Duri/Pulutan/Utik	-	-	-	-	1,101	-	-	1,101
	Dengkis/Debam	-	-	-	-	-	-	-	-
	Gelama/Tengkerong	-	-	-	-	2,786	-	-	2,786
	Gerut-Gerut	-	-	-	-	531	-	-	531
	Jenahak	-	-	-	-	319	-	-	319
	Kaci	-	-	-	-	37	-	-	37
	Kerapu	-	-	-	-	330	-	-	330
	Kerisi	-	-	-	-	789	-	-	789
	Kerisi Bali	-	-	-	-	-	-	-	-
	Kikek	-	-	-	-	714	-	-	714
	Malong	-	-	-	-	458	-	-	458
	Merah	-	-	-	-	725	-	-	725
	Mengkerong/Conor/Ubi 2	-	-	-	-	433	-	-	433
	Semilang	-	-	-	-	68	-	-	68
	Shrumbu/Lemah	-	-	-	-	174	-	-	174
	Puntong Damar/Bulus	-	-	-	-	-	-	-	-
	Pasir-Pasir	-	-	-	-	-	-	-	-
34	Alu-Alu/Kacang-Kacang	-	-	-	-	467	-	-	467
	Aruan Tasik	-	-	-	-	-	-	-	-
	Bawal	-	-	-	-	830	-	-	830
	Belanak/Kedera	-	-	-	-	-	-	-	-
	Cermin/Sagai/Cupak	-	-	-	-	405	-	-	405
	Cincaru	-	-	-	-	667	-	-	667
	Demudok/Rambai	-	-	-	-	248	-	-	248
	Kurau/Senangin/Senohong	-	-	-	-	148	-	-	148
	Pelata/Selar	-	-	-	-	670	-	-	670
	Selar Kuning/Lolong	-	-	-	-	-	-	-	-
	Selayang/Curut	-	-	-	-	-	-	-	-
	Pisang-Pisang	-	-	-	-	-	-	-	-
	Talang	-	-	-	-	-	-	-	-
35	Bilis	-	-	-	-	-	-	-	-
	Parang-Parang	-	-	-	-	989	-	-	989
	Tamban	-	-	-	-	416	-	-	416
	Terubok	-	-	-	-	-	-	-	-
	Bulan-Bulan	-	-	-	-	-	-	-	-
36	Aya/Kayu/Tongkol	-	-	-	-	-	-	-	-
	Layaran/Mersuji	-	-	-	-	-	-	-	-
37	Kembong/Temenong	-	-	-	-	865	-	-	865
	Tenggiri	-	-	-	-	464	-	-	464
	Timah/Layor/Selayor	-	-	-	-	1,102	-	-	1,102
38	Pari	-	-	-	-	551	-	-	551
	Yu	-	-	-	-	507	-	-	507
39	Ikan Baja	-	-	-	-	22,499	-	-	22,499
	Ikan Campur	-	-	-	-	2,644	-	-	2,644
	Jebong	-	-	-	-	-	-	-	-
42	Ketam	-	-	-	-	1,473	-	-	1,473
45	Udang	-	-	-	-	6,727	-	-	6,727
	Udang Baring	-	-	-	-	-	-	-	-
56	Kerang	-	-	-	-	-	-	-	-
	Siput/Kepah	-	-	-	-	-	-	-	-
57	Sotong	-	-	-	-	4,622	-	-	4,622
76	Ubur-ubur	-	-	-	-	-	-	-	-
	JUMLAH	-	-	-	-	58,365	-	-	58,365

PERAK

TANGKAPAN PUKAT TUNDA MENGIKUT UKURAN MUATAN DAN JENIS IKAN - 1978

(Landings by Trawlers by Tonnage and Type of Fish - 1978)

Jadual (Table) 2.21 (d)

ISSCAAP Group No.	Ukuran Muatan (Tonnage) Jenis Ikan (Type of Fish)	0 - 4.9 Tons	5 - 9.9 Tons	10 - 19.9 Tons	20 - 29.9 Tons	30 - 49.9 Tons	50 - 99.9 Tons	100 Tan & lebih (100 Tons & above)	Jumlah Pikul (Total Piculs)
24	Kebasi/Selangat	—	—	413	177	163	—	—	753
	Puput/Beliat Mata	—	—	—	—	—	—	—	—
25	Siakap	10	201	478	307	491	—	—	1,487
31	Lidah/Sebelah	1,862	4,027	4,743	1,819	948	—	—	13,399
33	Bayan	—	—	—	—	—	—	—	—
	Biji Nangka	28	1,126	3,239	7,831	8,262	—	—	20,486
	Daun Baharu	—	—	286	403	117	—	—	806
	Delah	—	—	342	1,287	805	—	—	2,434
	Duri/Pulutan/Utik	50	83	7,605	5,822	3,723	—	—	17,283
	Dengkis/Debam	—	—	—	—	—	—	—	—
	Gelama/Tengkerong	1,142	1,458	6,119	6,776	4,229	—	—	19,724
	Gerut-Gerut	38	57	2,452	3,400	2,042	—	—	7,989
	Jenahak	3	17	2,072	2,149	1,345	—	—	5,586
	Kaci	—	38	1,862	2,580	1,837	—	—	6,317
	Kerapu	29	177	2,916	4,126	3,336	—	—	10,584
	Kerisi	123	434	5,707	17,830	10,230	—	—	34,324
	Kerisi Bali	—	—	—	—	—	—	—	—
	Kikek	—	—	91	1,002	787	—	—	1,880
	Malong	26	432	1,318	3,302	1,583	—	—	6,661
	Merah	—	3	3,265	7,225	3,510	—	—	14,003
	Mengkerong/Conor/Ubi2	22	75	11,922	15,923	10,723	—	—	38,665
	Remong/Kunyit-Kunyit	—	—	—	—	177	—	—	177
	Semilang	7	57	1,729	943	670	—	—	3,406
	Shrumbu/Lemah	—	—	—	—	—	—	—	—
	Puntong Damar/Bulus	93	138	192	879	644	—	—	1,946
	Pasir-Pasir	—	—	—	—	—	—	—	—
34	Alu-Alu/Kacang-Kacang	14	156	14,628	16,419	8,374	—	—	39,591
	Aruan Tasik	—	—	426	241	6	—	—	673
	Bawal	90	390	3,023	2,058	847	—	—	6,408
	Belanak/Kedera	107	50	442	137	6	—	—	742
	Cermin/Sagai/Cupak	—	—	303	687	311	—	—	1,301
	Cincaru	312	375	6,163	6,540	4,509	—	—	17,899
	Demudok/Rambai	—	—	—	14	—	—	—	14
	Kurau/Senangin/Senohong	298	353	1,457	651	346	—	—	3,105
	Pelata/Sefar	94	190	4,212	3,371	2,209	—	—	10,076
	Selar Kuning/Lolong	289	397	1,616	1,501	1,033	—	—	4,836
	Selayang/Curut	219	370	607	877	927	—	—	3,000
	Pisang-Pisang	—	37	45	63	87	—	—	232
	Talang	—	—	55	1	41	—	—	97
35	Billis	—	—	—	—	9	—	—	9
	Parang-Parang	9	207	3,993	5,176	2,084	—	—	11,469
	Tamban	—	—	83	277	1,056	—	—	1,416
	Terubok	—	—	—	—	—	—	—	—
	Bulan-Bulan	—	—	—	—	—	—	—	—
36	Aya/Kayu/Tongkol	—	—	57	343	547	—	—	947
	Layaran/Mersuji	—	—	—	—	—	—	—	—
37	Kembong/Temenong	22	117	9,480	10,553	4,950	—	—	25,122
	Tenggiri	9	104	4,563	5,429	2,429	—	—	12,534
	Timah/Layor/Selayor	71	251	9,542	7,818	4,877	—	—	22,559
38	Pari	192	324	2,509	2,923	2,454	—	—	8,402
	Yu	195	254	2,342	1,961	1,440	—	—	6,192
39	Ikan Baja	45,245	77,149	169,440	165,085	119,761	—	—	576,680
	Ikan Campur	2,386	5,125	5,219	4,243	2,640	—	—	19,613
	Jebong	—	—	28	989	944	—	—	1,961
42	Ketam	2,051	5,899	4,052	1,492	788	—	—	14,282
45	Udang	89,052	132,978	54,540	6,347	908	—	—	283,825
	Udang Baring	—	—	—	—	—	—	—	—
56	Kerang	—	—	—	—	—	—	—	—
	Siput/Kepah	—	—	—	—	—	—	—	—
57	Sotong	4,143	15,523	26,762	15,932	9,648	—	—	72,008
76	Ubur-ubur	—	—	—	—	—	—	—	—
	JUMLAH	148,231	248,572	382,338	344,909	228,853	—	—	1,352,903

SELANGOR

TANGKAPAN PUKAT TUNDA MENGIKUT UKURAN MUATAN DAN JENIS IKAN - 1978

(Landings by Trawlers by Tonnage and Type of Fish - 1978)

Jadual (Table) 2.21(e)

ISSCAP Group No.	Ukuran Muatan (Tonnage) Jenis Ikan (Type of Fish)	0 - 4.9 Tons	5 - 9.9 Tons	10 - 19.9 Tons	20 - 29.9 Tons	30 - 49.9 Tons	50 - 99.9 Tons	100 Tan & lebih (100 Tons & above)	Jumlah Pikul (Total Piculs)
24	Kebasi/Selangat	—	—	353	36	172	—	—	561
	Puput/Beliat Mata	175	484	7,448	1,424	2	—	—	9,533
25	Siakap	—	—	—	—	—	—	—	—
31	Lidah/Sebelah	325	6,392	10,465	6,105	2,374	—	—	25,661
33	Bayan	—	—	—	—	—	—	—	—
	Biji Nangka	—	—88	198	2,367	4,191	—	—	6,844
	Daun Baharu	—	118	92	55	—	—	—	265
	Delah	—	—	—	—	—	—	—	—
	Duri/Pulutan/Utik	185	2,559	3,260	1,905	562	—	—	8,471
	Dengkis/Debam	—	—	—	—	—	—	—	—
	Gelama Tengkerong	4,680	7,254	11,248	11,319	5,023	—	—	39,524
	Gerut-Gerut	160	2,798	4,373	2,381	1,792	—	—	11,504
	Jenahak	—	—	16	285	402	—	—	703
	Kaci	—	—	—	—	—	—	—	—
	Kerapu	495	680	1,614	1,426	1,168	—	—	5,383
	Kerisi	—	—	388	8,986	14,322	—	—	23,696
	Kerisi Bali	—	—	—	—	—	—	—	—
	Kikek	—	—	—	592	294	—	—	886
	Malong	255	3,047	5,720	3,132	1,239	—	—	13,393
	Merah	75	190	233	3,287	4,373	—	—	8,158
	Mengkerong/Conor/Ubi2	—	—	599	6,937	8,092	—	—	15,628
	Remong/Kunyit-Kunyit	—	—	—	—	—	—	—	—
	Semilang	70	513	380	139	8	—	—	1,110
	Shrumbu/Lemah	—	—	—	—	—	—	—	—
	Puntong Damar/Bulus	—	—	—	—	—	—	—	—
	Pasir-Pasir	—	—	—	—	—	—	—	—
34	Alu-Alu/Kacang-Kacang	—	10	376	1,055	924	—	—	2,365
	Aruan Tasik	95	256	223	824	566	—	—	1,964
	Bawal	20	3,012	3,929	2,731	1,245	—	—	10,937
	Belanak/Kedera	—	15	926	612	983	—	—	2,536
	Cermin/Sagai/Cupak	—	—	95	1,168	1,649	—	—	2,912
	Cincaru	215	3,053	7,371	5,703	3,444	—	—	19,786
	Demudok/Rambai	—	—	—	—	—	—	—	—
	Kurau/Senangin/Senohong	—	355	482	374	771	—	—	1,982
	Pelata/Selar	—	90	206	825	923	—	—	2,044
	Selar Kuning/Lolong	300	325	602	950	1,554	—	—	3,731
	Selayang/Curut	—	—	—	—	—	—	—	—
	Pisang-Pisang	—	—	—	—	118	—	—	118
	Talang	—	—	—	—	—	—	—	—
35	Billis	—	3,555	3,462	383	—	—	—	7,400
	Parang-Parang	280	2,061	5,048	2,638	1,291	—	—	11,318
	Tamban	—	395	286	745	3,220	—	—	4,646
	Terubok	—	—	—	—	—	—	—	—
	Bulan-Bulan	—	—	—	278	—	—	—	278
36	Aya/Kayu/Tongkol	—	—	—	—	—	—	—	—
	Layaran/Mersuji	—	—	—	—	—	—	—	—
37	Kembong/Temenong	—	513	2,930	4,272	3,868	—	—	11,583
	Tenggiri	198	1,592	2,255	1,951	749	—	—	6,745
	Timah/Layor/Selayor	150	530	1,459	2,951	1,973	—	—	7,063
38	Pari	3,660	4,906	7,364	5,627	3,303	—	—	24,860
	Yu	105	5,742	10,085	3,352	1,857	—	—	21,141
39	Ikan Baja	15,900	151,628	227,738	140,498	104,060	—	—	639,824
	Ikan Campur	680	4,199	11,558	1,779	29	—	—	18,245
	Jebong	—	—	—	—	—	—	—	—
42	Ketam	921	7,731	10,054	2,112	617	—	—	21,435
45	Udang	4,270	125,983	128,423	26,543	4,879	—	—	290,098
	Udang Baring	—	—	13,031	—	—	—	—	13,031
56	Kerang	—	—	—	—	—	—	—	—
	Siput/Kepah	—	—	—	—	—	—	—	—
57	Sotong	1,370	5,678	12,901	7,049	6,731	—	—	33,729
76	Ubur-ubur	—	56	60	45	—	—	—	161
	JUMLAH	34,584	345,808	497,251	264,841	188,768	—	—	1,331,252

TANGKAPAN PUKAT TUNDA MENGIKUT UKURAN MUATAN DAN JENIS IKAN - 1978

(Landings by Trawlers by Tonnage and Type of Fish - 1978)

Jadual (Table) 2.21(f)

ISSCAAP Group No.	Ukuran Muatan (Tonnage) Jenis Ikan (Type of Fish)	0 - 4.9 Tons	5 - 9.9 Tons	10 - 19.9 Tons	20 - 29.9 Tons	30 - 49.9 Tons	50 - 99.9 Tons	100 Tan & lebih (100 Tons & above)	Jumlah Pikul (Total Piculs)
24	Kebasi/Selangat	-	-	-	-	-	-	-	-
25	Puput/Biliat Mata	13	715	478	43	11	-	-	1,260
31	Siakap	-	46	63	-	-	-	-	109
33	Lidah/Sebelah	-	-	-	-	-	-	-	-
	Bayan	-	-	-	-	-	-	-	-
	Biji Nangka	-	-	-	-	-	-	-	-
	Daun Baharu	-	-	-	-	-	-	-	-
	Delah	-	-	-	-	-	-	-	-
	Duri/Pulutan/Utik	-	92	120	-	-	-	-	212
	Dengkis/Debam	-	-	-	-	-	-	-	-
	Gelama/Tengkerong	28	1,979	1,473	118	19	-	-	3,617
	Gerut-Gerut	-	4	3	-	-	-	-	7
	Jenahak	-	5	9	-	-	-	-	14
	Kaci	-	-	-	-	-	-	-	-
	Kerapu	-	-	-	-	-	-	-	-
	Kerisi	-	-	-	-	-	-	-	-
	Kerisi Bali	-	-	-	-	-	-	-	-
	Kikek	-	-	-	-	-	-	-	-
	Malong	11	605	437	32	9	-	-	1,094
	Merah	-	9	13	-	-	-	-	22
	Mengkerong/Conor/Ubi2	-	-	-	-	-	-	-	-
	Remong/Kunyit-Kunyit	-	-	-	-	-	-	-	-
	Semilang	-	-	-	-	-	-	-	-
	Shrumbu/Lemah	-	-	-	-	-	-	-	-
	Puntong Damar/Bulus	-	-	-	-	-	-	-	-
	Pasir-Pasir	-	-	-	-	-	-	-	-
34	Alu-Alu/Kacang-Kacang	-	50	68	-	-	-	-	118
	Aruan Tasik	-	-	-	-	-	-	-	-
	Bawal	12	527	379	31	8	-	-	957
	Belanak/Kedera	-	20	24	-	-	-	-	44
	Cermin/Sagai/Cupak	-	-	-	-	-	-	-	-
	Cincaru	-	44	60	-	-	-	-	104
	Demudok/Rambai	-	-	-	-	-	-	-	-
	Kurau/Senangin/Senohong	11	581	344	39	8	-	-	983
	Pelata/Selar	-	24	59	-	-	-	-	83
	Selar Kuning/Lolong	-	18	28	-	-	-	-	46
	Sealyang/Curut	-	-	-	-	-	-	-	-
	Pisang-Pisang	-	-	-	-	-	-	-	-
	Talang	-	-	-	-	-	-	-	-
35	Bilis	-	81	104	-	-	-	-	185
	Parang-Parang	6	306	215	16	5	-	-	548
	Tamban	-	122	167	-	-	-	-	289
	Terubok	-	-	-	-	-	-	-	-
	Bulan-Bulan	-	-	-	-	-	-	-	-
36	Aya/Kayu/Tongkol	-	-	-	-	-	-	-	-
	Layaran/Mersuji	-	-	-	-	-	-	-	-
37	Kembong/Temenong	-	-	-	-	-	-	-	-
	Tenggiri	6	173	102	14	5	-	-	300
	Timah/Layor/Selayor	6	190	158	14	3	-	-	371
38	Pari	13	650	513	36	6	-	-	1,218
	Yu	15	794	438	52	11	-	-	1,310
39	Ikan Baja	1,019	23,945	7,427	1,554	149	-	-	34,094
	Ikan Campur	88	4,547	2,208	361	53	-	-	7,257
	Jebong	-	-	-	-	-	-	-	-
42	Ketam	-	1	3	-	-	-	-	4
45	Udang	1,923	12,007	7,607	913	232	-	-	22,682
	Udang Baring	-	106	160	-	-	-	-	266
56	Kerang	-	-	-	-	-	-	-	-
	Siput/Kepah	-	-	-	-	-	-	-	-
57	Sotong	20	1,273	731	86	14	-	-	2,124
76	Ubur-ubur	-	-	-	-	-	-	-	-
	JUMLAH	3,171	48,914	23,391	3,309	533	-	-	79,318

KELANTAN
TANGKAPAN PUKAT TUNDA MENGIKUT UKURAN MUATAN DAN JENIS IKAN — 1978
(Landings by Trawlers by Tonnage and Type of Fish — 1978)

Jadual (Table) 2.21(g)

ISSCAAP Group No.	Ukuran Muatan (Tonnage) Jenis Ikan (Type of Fish)	0 — 4.9	5 — 9.9	10 — 19.9	20 — 29.9	30 — 49.9	50 — 99.9	100 Tan & lebih (100 Tons & above)	Jumlah Pikul (Total Piculs)
		Tons	Tons	Tons	Tons	Tons	Tons		
24	Kebasi/Selangat	—	—	—	—	—	—	—	—
	Puput/Beliat Mata	—	—	—	—	—	—	—	—
25	Siakap	—	—	—	—	—	—	—	—
31	Lidah/Sebelah	—	16	19	27	95	—	—	157
33	Bayan	—	—	—	—	—	—	—	—
	Biji Nangka	—	119	142	206	367	—	—	834
	Daun Baharu	—	44	30	44	15	—	—	133
	Delah	—	—	—	—	—	—	—	—
	Duri/Pulutan/Utik	—	39	46	79	164	—	—	328
	Dengkis/Debam	—	1	2	8	20	—	—	31
	Gelama/Tengkerong	—	207	113	159	456	—	—	935
	Gerut-Gerut	—	34	59	86	211	—	—	390
	Jenahak	—	—	—	—	—	—	—	—
	Kaci	—	—	—	—	—	—	—	—
	Kerapu	—	45	51	105	211	—	—	412
	Kerisi	—	74	111	187	420	—	—	792
	Kerisi Bali	—	—	—	—	—	—	—	—
	Kikek	—	10	16	31	648	—	—	705
	Malong	—	24	—	—	—	—	—	24
	Merah	—	69	64	69	130	—	—	332
	Mengkerong/Conor/Ubi2	—	53	65	136	40	—	—	294
	Remong/Kunyit-Kunyit	—	5	8	32	128	—	—	173
	Semilang	—	—	—	—	—	—	—	—
	Shrumbu/Lemah	—	—	—	—	—	—	—	—
	Puntong Damar/Bulus	—	56	89	76	792	—	—	1,013
	Pasir-Pasir	—	—	—	—	—	—	—	—
34	Alu-Alu/Kacang-Kacang	—	63	105	153	208	—	—	529
	Aruan Tasik	—	3	—	25	—	—	—	28
	Bawal	—	58	37	32	141	—	—	268
	Belanak/Kedera	—	—	—	—	—	—	—	—
	Cermin/Sagai/Cupak	—	74	123	161	190	—	—	548
	Cincaru	—	70	101	149	440	—	—	760
	Demudok/Rambai	—	1	1	3	90	—	—	95
	Kurau/Senangin/Senohong	—	—	—	—	—	—	—	—
	Pelata/Selar	—	34	42	55	224	—	—	355
	Selar Kuning/Lolong	—	52	109	173	356	—	—	690
	Selayang/Curut	—	6	7	7	16	—	—	36
	Pisang-Pisang	—	5	7	12	—	—	—	24
	Talang	—	—	20	—	—	—	—	20
35	Bilis	—	52	103	40	115	—	—	310
	Parang-Parang	—	61	15	24	62	—	—	162
	Tamban	—	21	20	21	34	—	—	96
	Terubok	—	—	2	—	—	—	—	2
	Bulan-Bulan	—	—	—	—	—	—	—	—
36	Aya/Kayu/Tongkol	—	—	—	—	15	—	—	15
	Layaran/Mersuji	—	—	—	—	—	—	—	—
37	Kembong/Temenong	—	5	—	—	35	—	—	40
	Tenggiri	—	34	40	68	127	—	—	269
	Timah/Layor/Selayor	—	236	91	109	405	—	—	841
38	Pari	—	47	39	62	132	—	—	280
	Yu	—	31	45	82	148	—	—	306
39	Ikan Baja	—	1,383	800	1,066	1,656	—	—	4,905
	Ikan Campur	—	670	750	1,105	752	—	—	3,277
	Jebong	—	3	—	—	—	—	—	3
42	Ketam	—	158	24	43	81	—	—	306
45	Udang	—	941	274	343	634	—	—	2,192
	Udang Baring	—	55	75	155	35	—	—	220
56	Kerang	—	—	—	—	—	—	—	—
	Siput/Kepah	—	—	—	—	—	—	—	—
57	Sotong	—	216	187	190	451	—	—	1,044
76	Ubur-ubur	—	—	—	—	—	—	—	—
	JUMLAH	—	5,075	3,832	5,223	10,044	—	—	24,174

TANGKAPAN-PUKAT TUNDA MENGIKUT UKURAN MUATAN DAN JENIS IKAN - 1978

(Landings by Trawlers by Tonnage and Type of Fish - 1978)

Jadual (Table) 2.21(h)

ISSCAAP Group No.	Ukuran Muatan (Tonnage) Jenis Ikan (Type of Fish)	0 - 4.9	5 - 9.9	10 - 19.9	20 - 29.9	30 - 49.9	50 - 99.9	100 Tan & lebih (100 Tons & above)	Jumlah Pikul (Total Piculs)
		Tons	Tons	Tons	Tons	Tons	Tons		
24	Kebasi/Selangat	-	-	-	-	-	-	-	-
	Puput/Beliat Mata	-	-	-	-	-	-	-	-
25	Siakap	-	-	-	-	-	-	-	-
31	Lidah/Sebelah	-	1,401	1,634	338	70	-	-	3,443
33	Bayan	-	-	-	-	-	-	-	-
	Biji Nangka	-	2,972	5,736	742	1,145	-	-	10,595
	Daun Baharu	-	501	429	132	33	-	-	1,095
	Delah	-	123	245	-	-	-	-	368
	Duri/Pulutan/Utik	-	1,557	2,261	76	135	-	-	4,029
	Dengkis/Debam	-	346	1,044	550	1,784	-	-	3,724
	Gelama/Tengkerong	-	2,514	3,600	435	762	-	-	7,311
	Gerut-Gerut	-	243	423	170	93	-	-	929
	Jenahak	-	3	4	-	-	-	-	7
	Kaci	-	176	515	85	280	-	-	1,056
	Kerapu	-	283	260	228	308	-	-	1,079
	Kerisi	-	8,812	22,939	3,248	10,082	-	-	45,081
	Kerisi Bali	-	-	-	-	-	-	-	-
	Kikek	-	1,371	1,848	274	169	-	-	3,662
	Malong	-	5	12	-	-	-	-	17
	Merah	-	127	191	122	189	-	-	629
	Mengkerong/Conor/Ubi2	-	677	407	50	205	-	-	1,339
	Remong/Kunyit-Kunyit	-	252	281	25	75	-	-	633
	Semilang	-	-	-	-	-	-	-	-
	Shrumbu/Lemah	-	891	480	561	190	-	-	2,122
	Puntong Damar/Bulus	-	1,222	1,970	511	1,170	-	-	4,873
	Pasir-Pasir	-	-	-	-	-	-	-	-
34	Alu-Alu/Kacang-Kacang	-	238	337	25	50	-	-	650
	Aruan Tasik	-	5	8	-	-	-	-	13
	Bawal	-	-	-	-	-	-	-	-
	Belanak/Kedera	-	-	-	-	-	-	-	-
	Cermin/Sagai/Cupak	-	926	1,976	714	1,887	-	-	5,503
	Cincaru	-	-	-	-	-	-	-	-
	Demudok/Rambai	-	-	-	-	-	-	-	-
	Kurau/Senangin/Senohong	-	-	-	-	-	-	-	-
	Pelata/Selar	-	550	1,650	-	-	-	-	2,200
	Selar Kuning/Lolong	-	390	1,160	40	100	-	-	1,690
	Selayang/Curut	-	350	1,050	-	-	-	-	1,400
	Pisang-Pisang	-	279	332	291	538	-	-	1,440
	Talang	-	-	-	-	-	-	-	-
35	Billis	-	-	-	-	-	-	-	-
	Parang-Parang	-	1	1	-	-	-	-	2
	Tamban	-	-	-	-	-	-	-	-
	Terubok	-	-	-	-	-	-	-	-
	Bulan-Bulan	-	3	5	-	-	-	-	8
36	Aya/Kayu/Tongkol	-	-	-	-	-	-	-	-
	Layaran/Mersuji	-	4	7	-	-	-	-	11
37	Kembong/Temenong	-	-	-	-	-	-	-	-
	Tenggiri	-	-	-	-	-	-	-	-
	Timah/Layor/Selayor	-	412	376	17	55	-	-	860
38	Pari	-	629	1,247	222	307	-	-	2,405
	Yu	-	556	988	83	155	-	-	1,782
39	Ikan Baja	-	69,340	66,473	12,397	8,579	-	-	156,789
	Ikan Campur	-	3,769	3,161	243	227	-	-	7,400
	Jebong	-	17	-	-	-	-	-	17
42	Ketam	-	260	177	41	25	-	-	503
45	Udang	-	4,990	9,873	654	1,339	-	-	16,856
	Udang Baring	-	20	30	-	15	-	-	65
56	Kerang	-	-	-	-	-	-	-	-
	Siput/Kepah	-	-	-	-	-	-	-	-
57	Sotong	-	2,755	3,858	892	1,339	-	-	8,844
76	Ubur-ubur	-	-	-	-	-	-	-	-
	JUMLAH	-	108,970	136,988	23,166	31,306	-	-	300,430

TANGKAPAN PUKAT TUNDA MENGIKUT UKURAN MUATAN DAN JENIS IKAN - 1978

(Landings by Trawlers by Tonnage and Type of Fish - 1978)

Jadual (Table) 2.21 (i)

ISSCAAP Group No.	Ukuran Muatan (Tonnage) Jenis Ikan (Type of Fish)	0 - 4.9	5 - 9.9	10 - 19.9	20 - 29.9	30 - 49.9	50 - 99.9	100 Tan & lebih (100 Tons & above)	Jumlah Pikui (Total Piculs)
		Tons	Tons	Tons	Tons	Tons	Tons		
24	Kebasi/Selangat	—	—	—	636	102	—	—	738
	Puput/Beliat Mata	—	—	—	—	—	—	—	—
25	Siakap	—	—	—	—	—	—	—	—
31	Lidah/Sebelah	—	25	35	76	47	—	—	183
33	Bayan	—	—	—	—	—	—	—	—
	Biji Nangka	—	107	191	246	180	—	—	724
	Daun Baharu	—	50	97	—	115	—	—	262
	Delah	—	—	—	—	—	—	—	—
	Duri/Pulutan/Utik	—	—	—	1,075	249	—	—	1,324
	Dengkis/Debam	—	—	—	656	71	—	—	727
	Gelama/Tengkerong	—	200	288	1,147	604	—	—	2,239
	Gerut-Gerut	—	—	—	—	—	—	—	—
	Jenahak	—	—	—	—	—	—	—	—
	Kaci	—	—	—	—	48	—	—	48
	Kerapu	—	6	12	—	64	—	—	82
	Kerisi	—	287	545	303	631	—	—	1,766
	Kerisi Bali	—	—	—	—	—	—	—	—
	Kikek	—	13	8	62	12	—	—	95
	Malong	—	—	—	—	—	—	—	—
	Merah	—	—	—	—	—	—	—	—
	Mengkerong/Conor/Ubi2	—	14	23	735	252	—	—	1,024
	Remong/Kunyit-Kunyit	—	—	—	—	—	—	—	—
	Semilang	—	—	—	—	—	—	—	—
	Shrumbu/Lemah	—	—	—	—	—	—	—	—
	Puntong Damar/Bulus	—	35	54	207	204	—	—	500
	Pasir-Pasir	—	—	—	924	186	—	—	1,110
34	Alu-Alu/Kacang-Kacang	—	57	104	184	86	—	—	431
	Aruan Tasik	—	—	—	342	29	—	—	371
	Bawal	—	9	14	54	69	—	—	146
	Belanak/Kedera	—	18	36	—	6	—	—	60
	Cermin/Sagai/Cupak	—	42	78	16	43	—	—	179
	Cincaru	—	10	14	—	—	—	—	24
	Demudok/Rambai	—	—	—	—	—	—	—	—
	Kurau/Senangin/Senohong	—	—	—	62	23	—	—	85
	Pelata/Selar	—	4	8	—	—	—	—	12
	Selar Kuning/Lolong	—	24	37	217	100	—	—	378
	Selayang/Curut	—	—	—	—	—	—	—	—
	Pisang-Pisang	—	—	—	362	80	—	—	442
	Talang	—	—	—	—	—	—	—	—
35	Bilis	—	7	11	43	29	—	—	90
	Parang-Parang	—	17	23	108	80	—	—	228
	Tamban	—	72	142	—	—	—	—	214
	Terubok	—	—	—	—	—	—	—	—
	Bulan-Bulan	—	—	—	—	—	—	—	—
36	Aya/Kayu/Tongkol	—	—	—	—	—	—	—	—
	Layaran Mersuji	—	—	—	—	—	—	—	—
37	Kembong/Temenong	—	8	16	—	—	—	—	24
	Tenggiri	—	—	—	—	—	—	—	—
	Timah/Layor/Selayor	—	—	—	224	33	—	—	257
38	Pari	—	263	331	1,711	1,224	—	—	3,529
	Yu	—	96	109	446	252	—	—	903
39	Ikan Baja	—	22,857	11,514	48,403	25,086	—	—	107,860
	Ikan Campur	—	2,218	381	3,996	1,193	—	—	7,788
	Jebong	—	—	—	—	—	—	—	—
42	Ketam	—	546	584	618	591	—	—	2,339
45	Udang	—	4,783	4,050	3,042	4,171	—	—	16,046
	Udang Baring	—	—	—	—	—	—	—	—
56	Kerang	—	—	—	—	—	—	—	—
	Siput/Kepah	—	—	—	—	—	—	—	—
57	Sotong	—	411	495	958	875	—	—	2,739
76	Ubur-ubur	—	—	—	—	—	—	—	—
	JUMLAH	—	32,179	19,200	66,853	36,735	—	—	154,967

TANGKAPAN PUKAT TUNDA MENGIKUT UKURAN MUATAN DAN JENIS IKAN - 1978

(Landings by Trawlers by Tonnage and Type of Fish - 1978)

Jadual (Table) 2.21(j)

ISSCAAP Group No.	Ukuran Muatan (Tonnage) Jenis ikan (Type of Fish)	0 - 4.9 Tons	5 - 9.9 Tons	10 - 19.9 Tons	20 - 29.9 Tons	30 - 49.9 Tons	50 - 99.9 Tons	100 Tan & lebih (100 Tons & above)	Jumlah Pikul (Total Piculs)
24	Kebasi/Selangat	-	-	-	-	-	-	-	-
	Puput/Beliat Mata	12	247	293	334	426	127	-	1,439
25	Siakap	-	-	-	-	-	-	-	-
31	Lidah/Sebelah	2	47	260	314	429	45	-	1,097
33	Bayang	-	1	3	4	-	-	-	8
	Biji Nangka	-	61	516	1,398	2,100	433	-	4,508
	Daun Baharu	-	12	90	101	140	40	-	383
	Delah	-	-	-	-	-	-	-	-
	Duri/Pulutan/Utik	17	252	1,318	3,207	4,338	588	-	9,720
	Dengkis/Debam	36	480	667	778	880	358	-	3,199
	Gelama/Tengkerong	12	387	1,950	5,747	7,728	1,652	-	17,476
	Gerut-Gerut	-	-	-	-	-	-	-	-
	Jenahak	-	-	-	-	-	-	-	-
	Kaci	5	122	253	313	369	76	-	1,138
	Kerapu	11	74	118	149	168	54	-	574
	Kerisi	109	1,091	3,938	8,630	11,325	2,109	-	27,202
	Kerisi Bali	-	-	-	-	-	-	-	-
	Kikek	1	147	318	366	412	200	-	1,444
	Malong	-	19	148	382	590	67	-	1,206
	Merah	4	84	161	504	676	155	-	1,584
	Mengkerong/Conor/Ubi2	-	-	-	-	-	-	-	-
	Remong/Kunyit-Kunyit	8	111	234	285	236	84	-	958
	Semilang	-	-	-	-	-	-	-	-
	Shrumbu/Lemah	-	-	-	-	-	-	-	-
	Puntong Damar/Bulus	1	76	206	285	429	37	-	1,034
	Pasir-Pasir	-	-	6	302	340	-	-	648
34	Alu-Alu/Kacang-Kacang	4	81	124	155	177	62	-	603
	Aruan Tasik	-	7	40	95	363	348	-	853
	Bawal	-	-	119	320	594	140	-	1,173
	Belanak/Kedera	-	-	-	-	-	-	-	-
	Cermin/Sagai/Cupak	15	269	554	807	1,116	192	-	2,953
	Cincaru	-	23	77	197	302	61	-	660
	Demudok/Rambai	-	-	-	-	-	-	-	-
	Kurau/Senangin/Senohong	-	-	-	-	-	-	-	-
	Pelata/Selar	6	84	364	693	706	204	-	2,057
	Selar Kuning/Lolong	15	937	3,241	5,374	6,793	1,647	-	18,007
	Selayang/Curut	-	-	-	-	-	-	-	-
	Pisang-Pisang	-	-	-	-	-	-	-	-
	Talang	-	19	27	30	39	18	-	133
35	Billis	2	12	49	55	77	52	-	247
	Parang-Parang	1	24	39	69	77	44	-	254
	Tamban	-	65	219	689	964	158	-	2,095
	Terubuk	-	-	-	-	-	-	-	-
	Bulan-Bulan	-	-	-	-	-	-	-	-
36	Aya/Kayu/Tongkol	-	-	1	9	12	2	-	24
	Layaran/Mersuji	-	-	-	-	-	-	-	-
37	Kembong/Temenong	-	-	-	-	-	-	-	-
	Tenggiri	7	21	116	185	198	61	-	588
	Timah/Layor/Selayor	2	285	491	639	539	137	-	2,093
38	Pari	44	907	2,868	5,527	6,838	1,492	-	17,676
	Yu	13	395	1,679	3,722	4,735	760	-	11,304
39	Ikan Baja	254	3,825	15,005	28,142	32,241	4,186	-	83,653
	Ikan Campur	145	2,449	6,127	9,917	11,627	3,024	-	33,289
	Jebong	2	63	85	99	111	26	-	386
42	Ketam	4	494	1,195	2,351	2,902	534	-	7,480
45	Udang	332	1,653	5,299	8,741	9,903	1,744	-	27,672
	Udang Baring	-	-	-	-	-	-	-	-
56	Kerang	-	-	-	-	-	-	-	-
	Siput/Kepah	-	-	-	-	-	-	-	-
57	Sotong	331	2,418	9,117	16,732	20,408	5,688	-	54,694
76	Ubur-ubur	-	-	-	-	-	-	-	-
	JUMLAH	1,395	17,242	57,315	107,647	131,308	26,605	-	341,512

SEMENANJUNG MALAYSIA (PENINSULAR MALAYSIA)
HARGA BORANG PURATA IKAN BASAH DI PASAR BAGI TIAP-TIAP SEKATI MENGIKUT BULAN – 1978
 (Monthly Average Wholesale Market Prices of Fresh Fish – 1978)
 (Harga dalam S/Kati – Prices at S/Katty)

Jadual (Table) 3.1

Jenis-Jenis Ikan (Type of Fish)	Jan. (Jan)	Feb. (Feb.)	Mac (March)	April (Apr.)	Mei (May)	Jun (June)	Julai (July)	Ogos (Aug)	Sept. (Sept.)	Okt. (Oct.)	Nov. (Nov.)	Dis. (Dec.)	Purata 1978 (Average 1978)
Bawal Hitam	2.90	3.02	2.83	3.01	2.96	2.97	2.85	2.91	2.88	2.88	2.96	3.29	2.96
Bawal Puteh	5.20	5.34	4.86	5.41	5.85	5.01	5.25	5.30	5.66	5.76	5.90	6.37	5.49
Cincaru	0.92	0.93	0.93	0.93	1.02	0.98	0.96	1.00	1.00	1.04	1.09	1.08	0.99
Gelama	0.67	0.68	0.66	0.73	0.64	0.69	0.60	0.64	0.60	0.68	0.62	0.62	0.65
Kembong/Temenong	1.13	1.16	1.09	1.00	1.02	1.05	1.09	1.14	0.99	1.08	1.03	1.14	1.08
Kedera/Belanak	0.72	0.81	0.92	0.82	0.80	1.00	0.93	1.01	0.21	0.93	0.94	0.86	0.83
Kurau/Senohong	3.21	3.48	3.59	3.36	3.53	3.72	3.60	3.92	3.87	3.75	3.68	3.74	3.62
Merah	1.56	1.51	1.58	1.57	1.66	1.75	1.60	1.66	1.72	1.67	1.85	1.91	1.67
Parang-Parang/Pacal	1.71	1.74	1.75	1.71	1.65	1.81	1.87	1.93	1.85	1.99	1.57	2.03	1.80
Pari	0.46	0.53	0.57	0.46	0.52	0.56	0.47	0.47	0.41	0.45	0.51	0.51	0.49
Senangin	2.67	2.76	2.57	2.62	2.60	2.74	2.42	2.50	2.84	2.80	2.63	2.62	2.65
Tamban Sisek/Beluru	0.47	0.51	0.48	0.44	0.45	0.42	0.45	0.43	0.57	0.57	0.48	0.50	0.48
Tenggiri	2.09	2.16	2.01	2.14	2.15	2.15	2.22	2.29	2.19	2.27	2.41	2.34	2.20
Terubok	2.33	2.05	1.96	1.92	2.00	2.10	1.74	2.05	2.05	1.80	1.75	1.72	1.96
Udang Besar	7.28	7.19	7.22	7.27	7.22	7.32	7.51	7.60	7.87	7.81	7.94	7.36	7.47
Yu	0.44	0.42	0.42	0.40	0.39	0.40	0.42	0.43	0.37	0.40	0.40	0.45	0.41

Peringatan : Purata Harga-harga di Pasar-Pasar Besar Semenanjung Malaysia

Punca : Lembaga Kemajuan Ikan Malaysia.

Note : Average Prices in Main Fish Markets in Peninsular of Malaysia

Source : Fisheries Development Authority, Malaysia.

SEMENANJUNG MALAYSIA (PENINSULAR MALAYSIA)
HARGA RUNCIT PURATA IKAN BASAH DIPASAR BAGI TIAP-TIAP SEKATI BULAN – 1978
(Monthly Average Retail Market Prices of Fresh Fish – 1978)
(Harga dalam \$/Kati – Prices at \$/Katty)

Jadual (Table) 3.2

Jenis-Jenis Ikan (Type of Fish)	Jan. (Jan.)	Feb. (Feb.)	Mac. (Mar.)	April (Apr.)	Mei (May)	Jun. (June)	Julai (July)	Ogos (Aug.)	Sept. (Sept.)	Okt. (Oct.)	Nov. (Nov.)	Dis. (Dec.)	Purata 1978 (Average 1978)
Bawal Hitam	3.26	3.31	3.16	3.22	3.09	3.17	3.16	3.26	3.22	3.30	3.30	3.40	3.24
Bawal Putih	5.77	5.82	5.62	5.96	6.30	5.81	5.65	6.20	5.78	6.18	6.46	6.66	6.02
Cincaru	1.20	1.22	1.18	1.09	1.27	1.22	1.20	1.29	1.25	1.23	1.35	1.48	1.25
Galama	0.92	0.96	0.91	0.98	0.95	0.94	0.80	0.91	0.81	0.74	0.79	0.79	0.88
Kembong/Temenong	1.39	1.39	1.28	1.28	1.36	1.31	1.36	1.41	1.33	1.34	1.43	1.48	1.36
Kedera/Belanak	1.06	1.08	1.07	1.02	1.13	1.17	1.10	1.10	1.23	1.11	1.04	0.92	1.09
Kurau/Senohong	3.30	3.58	4.06	3.36	3.84	3.85	3.66	4.44	4.17	4.23	4.06	3.45	3.83
Merah	1.80	1.95	1.86	1.82	1.88	1.83	1.88	2.01	1.91	2.01	2.07	2.27	1.94
Parang-parang/Pacal	2.04	2.01	2.04	2.11	1.92	2.01	2.14	2.27	2.26	2.30	2.28	2.43	2.15
Pari	0.67	0.70	0.73	0.65	0.72	0.69	0.68	0.63	0.55	0.63	0.62	0.64	0.66
Senangin	2.92	2.97	2.94	2.98	2.92	2.96	2.94	3.03	3.09	3.09	3.04	2.96	2.99
Tamban Sisek/Beluru	0.67	0.63	0.57	0.58	0.59	0.57	0.64	0.60	0.59	0.59	0.70	0.66	0.62
Tenggiri	2.59	2.47	2.36	2.60	2.50	2.53	2.53	2.51	2.52	2.68	2.66	2.70	2.55
Terubok	2.30	2.22	2.10	2.18	2.30	2.60	2.27	2.33	2.10	2.27	2.34	2.33	2.28
Udang Besar	7.89	7.71	7.75	8.05	7.87	8.02	8.11	8.14	8.69	8.79	8.65	9.07	8.23
Yu	0.58	0.59	1.23	0.54	0.60	0.55	0.57	0.61	0.52	0.51	0.59	0.61	0.63

Peringatan: Purata Harga-harga di Pasar-Pasar Besar Semenanjung Malaysia
Punca: Lembaga Kemajuan Ikan Malaysia
Note: Average Prices in Main Fish Markets in Peninsular Malaysia.
Source: Fisheries Development Authority, Malaysia.

SEMENANJUNG MALAYSIA (PENINSULAR MALAYSIA)

NILAI HARGA BORONG PASARAN IKAN LAUT - 1978

(Wholesale Market Values of Marine Fish - 1978)

Jadual (Table)

3.3

NEGERI (STATE)	GRADE I		GRADE II		GRADE III		OCEANIC TUNA AND OTHER OCEANIC FISH		MANURE FISH		SHELLFISH		JUMLAH (TOTAL)	
	Piculs	\$	Piculs	\$	Piculs	\$	Piculs	\$	Piculs	\$	Piculs	\$	Piculs	\$
PERLIS	38,702	17,183,688	2,472	494,400	72,505	9,063,125			126,722	949,148			240,401	27,690,361
KEDAH	242,240	107,554,560	37,899	7,579,800	422,786	52,848,250			393,929	2,950,528	2,245	53,880	1,099,099	170,987,018
P. PINANG (PENANG)	59,096	26,238,624	11,393	2,278,600	138,112	17,264,000			76,138	570,274	87,551	2,101,224	372,290	48,452,722
PERAK	575,930	255,712,920	66,436	13,287,200	981,318	122,664,750	-	-	684,206	5,124,703	777,351	18,656,424	3,085,241	415,445,997
SELANGOR	396,609	176,094,396	56,098	11,219,600	520,448	65,056,000	-	-	719,446	5,388,651	38,164	915,936	1,730,765	258,674,583
NEGERI SEMBILAN	654	290,376	3,682	736,400	2,643	330,375	-	-	-	-	-	-	6,979	1,357,151
MELAKA (MALACCA)	2,209	980,796	12,501	2,500,200	12,141	1,517,625	-	-	997	7,467	12,505	300,120	40,353	5,306,208
KELANTAN	6,049	2,685,756	5,401	1,080,200	223,212	27,901,500	-	-	4,905	30,803	-	-	239,567	31,698,259
TRENGGANU	72,193	32,053,692	42,219	8,443,800	974,325	121,790,625			156,789	984,635	-	-	1,245,526	163,272,752
PAHANG	24,627	10,934,388	7,568	1,513,600	128,834	16,104,250	-	-	108,696	682,611	-	-	269,725	29,234,849
JOHOR TIMUR (EAST)	46,040	20,441,760	23,746	4,749,200	618,619	77,327,375	-	-	104,320	655,130	131	3,144	792,856	103,176,609
JOHOR BARAT (WEST)	49,160	21,827,040	26,479	5,295,800	83,327	10,415,875	-	-	46,504	348,315	9,489	227,736	214,959	38,114,766
JUMLAH (TOTAL):	1,513,509	671,997,996	295,894	59,178,800	4,178,270	522,283,750	-	-	2,422,652	17,692,265	927,436	22,258,464	9,337,761	1,293,411,275
	98090 Mt		17613 Mt		248707 Mt				144205 Mt		55205 Mt		555819	

- Notes : (1) Grade I Includes Bawal Tambak, Bawal Putih, Bawal Hitam, Senangin, Kurau, Udang and Ikan Bilis.
Grade II Includes Jenahak, Kerapu, Parang, Tenggiri, Terubuk and Puput-Puput.
Grade III Includes Merah, Alu-alu, Cermin, Cincaru, Selar, Demudok, Dengkis, Gerut-Gerut, Kaci, Kerupok, Lidah, Pelata, Remong, Shrumbu, Sotong, Ketam, Aya/Tongkol, Aruan Tasek, Bayan, Belanak, Biji Nangka, Daun Baharu, Duri, Gelama, Jebong, Kembong, Kerisi, Kikek, Matong, Pari, Selangat, Selar Kuning, Selar Pucat, Selayang, Semilang, Talang, Tamban, Yu, Udang Baring, etc.
- (2) Grade I Price at \$4.44 per katty is calculated from the average prices of Bawal Putih, Bawal Hitam, Senangin, Udang and Kurau.
Grade II Price at \$2.00 per katty is calculated from the average prices of Tenggiri and Parang.
Grade III Price at \$1.25 per katty is calculated from the average prices of Cincaru, Kembong and Merah.
- (3) Prices of Manure Fish are estimated at \$7.49 per picul (West Coast) and \$6.28 per picul (East Coast).
- (4) Prices of Shellfish are estimated at \$0.24 per katty.

SEMENANJUNG MALAYSIA (PENINSULAR MALAYSIA)

NILAI HARGA RUNCIT PASARAN IKAN LAUT – 1978

(Retail Market Values of Marine Fish – 1978)

Jadual (Table)

3.4

NEGERI (STATE)	GRADE I		GRADE II		GRADE III		OCEANIC TUNA AND OTHER OCEANIC FISH		MANURE FISH		SHELLFISH		JUMLAH (TOTAL)	
	Piculs	\$	Piculs	\$	Piculs	\$	Piculs	\$	Piculs	\$	Piculs	\$	Piculs	\$
PERLIS	38,702	18,809,172	2,472	580,920	72,505	11,020,760	—	—	126,722	1,742,427	—	—	240,401	32,153,279
KEDAH	242,240	117,728,640	37,899	8,906,265	422,786	64,263,472	—	—	393,929	5,416,524	2,245	76,330	1,099,099	196,391,231
P. PINANG (PENANG)	59,096	28,720,656	11,393	2,677,355	138,112	20,993,024	—	—	76,138	1,046,897	87,551	2,976,734	372,290	56,414,666
PERAK	575,930	279,901,980	66,436	15,612,460	981,318	149,160,336	—	—	684,206	9,407,833	777,351	26,429,934	3,085,241	480,512,543
SELANGOR	396,609	192,751,974	56,098	13,183,030	520,448	79,108,096	—	—	719,446	9,892,383	38,164	1,297,576	1,730,765	296,233,059
N. SEMBILAN	654	317,844	3,682	865,270	2,643	401,736	—	—	—	—	—	—	6,979	1,584,850
MELAKA (MALACCA)	2,209	1,073,574	12,501	2,937,735	12,141	1,845,432	—	—	997	13,709	12,505	425,170	40,353	6,295,620
KELANTAN	6,049	2,939,814	5,401	1,269,235	223,212	33,928,224	—	—	4,905	48,707	—	—	239,567	38,185,980
TRENGGANU	72,193	35,085,798	42,219	9,921,465	974,325	148,097,400	—	—	156,789	1,556,915	—	—	1,245,526	194,661,578
PAHANG	24,627	11,968,722	7,568	1,778,480	128,834	19,582,768	—	—	108,696	1,079,351	—	—	269,725	34,409,321
JOHOR TIMUR (EAST)	46,040	22,375,440	23,746	5,580,310	618,619	94,030,088	—	—	104,320	1,035,897	131	4,454	792,856	123,026,189
JOHOR BARAT (WEST)	49,160	23,891,760	26,479	6,222,565	83,327	12,665,704	—	—	46,504	639,430	9,489	322,626	214,959	43,742,085
JUMLAH (TOTAL):—	1,513,509	735,565,374	295,894	69,535,090	4,178,270	635,097,040	—	—	2,422,652	31,880,073	927,436	31,532,824	9,337,761	1503,610,401

Notes: (1) Grade I Includes Bawal Tambak, Bawal Putih, Bawal Hitam, Senangin, Kurau, Udang and Ikan Bilis.

Grade II Includes Jenahak, Kerapu, Parang, Tenggiri, Terubuk and Puput-Puput.

Grade III Includes Merah, Alu-alu, Cermin, Cincaru, Selar, Demudok, Gerut-gerut, Kaci, Kerupok, Lidah, Pelata, Remong, Dengkis, Shrumbu, Sotong, Ketam, Aya/Tongkol, Aruan Tasek, Bayan, Belanak, Biji Nangka, Daun Baharu, Duri, Gelama, Jebong, Kembong, Kerisi, Kikek, Malong, Pari, Selangat, Selar Kuning, Selar Pucat, Selayang, Semilang, Talang, Tamban, Yu, Udang Baring, etc.

(2) Grade I Price at \$4.86 per katty is calculated from the average prices of Bawal Putih, Bawal Hitam, Senangin, Udang and Kurau.

Grade II Price at \$2.35 per katty is calculated from the average prices of Tenggiri and Parang.

Grade III Price at \$1.52 per katty is calculated from the average prices of Cincaru, Kembong and Merah.

(3) Prices of Manure Fish are estimated at \$13.75 per picul (West Coast) and \$9.93 per picul (East Coast).

(4) Prices of Shellfish are estimated at \$0.34 per katty.

SEMENANJUNG MALAYSIA (PENINSULAR MALAYSIA)

NILAI TANGKAPAN IKAN LAUT MENGIKUT KUMPULAN PERKAKAS DAN GRED IKAN 1978

(Landing Values of Marine Fish by Gear Group and Grade of Fish – 1978)

Jadual (Table)

3.5

Pendaratan dan Nilai (Landings and value)	Pukat Tunda (Trawl Nets)	Pukat-Pukat Tarik (Seine Nets)		Pukat Hanyut (Drift/ Gill Nets)	Pukat Tangguk (Lift Nets)	Perangkap-Perangkap (Traps)		Pancing (Hooks & Lines)	Pukat Bakul (Bag Nets)	Pukat Rentang (Barrier Nets)	Pukat Surung (Push Nets)	Memungut Siput (Shell-fish Collection)	Rampaihan (Miscell- aneous)	Jumlah (Total)
		Pukat Jerut (Purse Seines)	Lain-lain Pukat Tarik (Other Seines)			Belat- Belat (Stat- ionary)	Bubu (Portable)							Pikul (Piculs) Nilai (Value)
Gred I														
Gred I Piculs	845,542	302,955	131,667	106,783	5,742	13,026	194	2,786	102,744	934	991	--	145	1,513,509
N. B. \$	375,420,648	134,512,020	58,460,148	47,411,652	2,549,448	5,783,544	86,136	1,236,984	45,618,336	414,696	440,004	--	64,380	671,997,996
N. R. \$	410,933,412	147,236,130	63,990,162	51,896,538	2,790,612	6,330,636	94,284	1,353,996	49,933,584	453,924	481,626	--	70,470	735,565,374
Gred II														
Grade II Piculs	116,481	1,181	726	116,123	1,004	887	14,240	44,467	--	--	--	--	785	295,894
N. B. \$	23,296,200	236,200	145,200	23,224,600	200,800	177,400	2,848,000	8,893,400	--	--	--	--	157,000	59,178,800
N. R. \$	27,373,035	277,535	170,610	27,288,905	235,940	208,445	3,346,400	10,449,745	--	--	--	--	184,475	69,535,090
Gred III														
Grade III Piculs	1,608,793	1,513,557	17,774	283,162	165,333	45,019	59,847	203,725	226,237	7,196	14,922	--	32,705	4,178,270
N. B. \$	201,099,125	189,194,625	2,221,750	35,395,250	20,666,625	5,627,375	7,480,875	25,465,625	28,279,625	899,500	1,865,250	--	4,088,125	522,283,750
N. R. \$	244,536,536	230,060,664	2,701,648	43,040,624	25,130,616	6,842,888	9,096,744	30,966,200	34,388,024	1,093,792	2,268,144	--	4,971,160	635,097,040
Ikan														
Baja Piculs	2,140,542	44,147	90,600	14,761	--	13,062	--	48	115,945	2,467	--	--	1,080	2,422,652
(Manure N. B. \$	15,605,279	330,150	678,174	110,414	--	97,152	--	301	844,228	18,478	--	--	8,089	17,692,265
Fish) N. R. \$	28,083,201	605,409	1,244,421	202,502	--	177,448	--	477	1,517,844	33,921	--	--	14,850	31,880,073
Kerang/														
Siput Piculs	--	--	--	--	--	131	--	--	--	--	--	927,305	--	927,436
(Shell N. B. \$	--	--	--	--	--	3,144	--	--	--	--	--	22,255,320	--	22,258,464
fish) N. R. \$	--	--	--	--	--	4,454	--	--	--	--	--	31,528,370	--	31,532,824
Jumlah														
Piculs	4,711,358	1,861,840	240,767	520,829	172,079	72,125	74,281	251,026	444,926	10,597	15,913	927,305	34,715	9,337,761
: N. B. \$	615,421,252	324,272,995	61,505,272	106,141,916	23,416,873	11,688,615	10,415,011	35,596,310	74,742,189	1,332,674	2,305,254	22,255,320	4,317,594	1293,411,275
(Total) N. R. \$	710,926,184	378,179,738	68,106,841	122,428,563	28,157,168	13,563,871	12,537,428	42,770,418	85,839,452	1,581,637	2,749,770	31,528,370	5,240,955	1503,610,401

N. B. \$ = Nilai Harga Borong (Wholesale Value in Malaysian Dollars)

N. R. \$ = Nilai Harga Runcit (Retail Value in Malaysian Dollars)

SEMANANJUNG MALAYSIA (PENINSULAR MALAYSIA)

PENGUNAAN PENDARATAN IKAN LAUT, 1978

(Disposition of Marine Fish Landings, 1978)

Jadual (Table)

3.6

CARA PENGGUNAAN (Disposition Channel)	NEGERI (State)	PERLIS	KEDAH	PULAU PINANG (PENANG)	PERAK	SELANGOR	NEGERI SEMBILAN	MELAKA (MALACCA)	KELANTAN	TRENG- GANU	PAHANG	JOHOR (JOHORE)	JUMLAH (Total)	
													PIKUL (Piculs)	M. Ton (M. Tonnes)
Diguna secara hidup (Disposed alive)		—	—	—	—	—	—	—	—	—	—	—	—	—
Diguna secara basah (Disposed fresh)		233,880	498,243	290,331	2,467,824	880,786	6,979	39,592	210,126	946,762	188,018	880,804	6,643,345	401,896
Diguna untuk dibeku (Disposed for freezing)		—	—	—	2,483	—	—	—	—	—	—	—	2,483	150
Diguna untuk mengetin (Disposed for canning)		N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Digunakan untuk diawitkan (Disposed for curing)	Kering/Masin/diasap (Dried/Salted/Smoked)	104	263,801	6,323	232,430	77,968	—	157	8,012	169,254	18,447	8,028	784,524	47,461
	Rebus (Steamed/boiled)	—	—	—	8,021	—	—	—	—	—	—	—	8,021	485
	Diragikan (Fermented)	—	1,118	39,101	53,353	—	—	574	180	683	—	40,997	136,006	8,228
	Lain-Lain (Others)	—	87	—	488	—	—	—	16,916	11,092	215	523	29,321	1,774
Diguna untuk mengubahkan (Disposed for reduction)		—	130,000	21,092	6,344	608,400	—	—	—	—	24,012	14,320	804,168	48,649
Diguna untuk lain-lain (Disposed for Others)		6,417	205,850	15,443	314,298	163,611	—	30	4,333	117,735	39,033	63,143	929,893	56,255
JUMLAH : PIKUL (Total) (Piculs)		240,401	1,099,099	372,290	3,085,241	1,730,765	6,979	40,353	239,567	1,245,526	269,725	1,007,815	9,337,761	564,898

N.A. — Not available.

SEMENANJUNG MALAYSIA (PENINSULAR MALAYSIA)
HASIL IKAN LAUT YANG DIPEROSES – 1978
(PROCESSED MARINE FISH PRODUCTS – 1978)
TIMBANGAN DALAM PIKUL WEIGHTS IN PICULS

Jadual (Table)
3.7

Negeri (State)	Jenis Hasil pengeluaran (Type of Products)	Ikan Masin/ Ikan Kering (Salted/ Dried Fish)	Bilis Kering (Dried Ancho- vies)	Ikan Rebus (Boiled Fish)	Ikan Baja (Manure Fish)	Tepung Ikan (Fish Meal)	Undang Kering (Dried Prawn)	Tepung/ Kulit Undang (Prawn Dust)	Otak Undang (Prawn Paste)	Belacan (Shrimp Paste)	KERUPOK (Crackers)		Cincaluk (Pickled Prawn)	Aya Asap (Smoke Tuna)	Sotong Kering (Dried Cuttle Fish)	Undang dikopek (Cooked Frozen Prawn)	Budus (Fer- mented Ancho- vies)	Ubur- Ubur (Jelly Fish)	Kerang Kering (Dried Cockles)	JUMLAH (TOTAL)
											Ikan (Fish)	Undang (Prawn)								
PERLIS		—	—	—	3,850	—	26	—	—	—	—	—	—	—	—	—	—	—	—	3,876
KEDAH		22,772	56,438	—	123,510	32,500	24	—	13	316	36	21	—	—	—	—	—	—	—	235,630
PULAU PINANG (PENANG)		2,181	—	—	9,266	5,273	672	—	732	10,170	—	—	—	—	—	—	—	—	—	28,294
PERAK		10,609	41,006	6,417	187,187	1,558	12,681	28	—	17,073	—	317	—	—	—	1,490	—	232	—	278,598
SELANGOR		17,100	—	—	93,997	152,100	11,512	—	—	—	—	—	—	—	—	—	—	695	342	275,746
NEGERI SEMBILAN		—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
MELAKA (MALACCA)		94	—	—	—	—	—	—	—	95	—	—	83	—	—	—	—	3	—	275
JOHOR (JOHORE)		535	1,784	—	37,850	3,580	—	—	—	13,119	185	155	—	—	—	—	—	6	—	57,214
KELANTAN		4,711	40	—	2,600	—	—	—	—	—	10,996	—	—	—	—	—	54	—	—	18,401
TRENGGANU		70,539	12,494	—	70,641	—	—	—	—	130	7,210	—	—	430	70	—	83	—	—	161,597
PAHANG		2,349	3,633	—	23,420	6,003	—	—	—	—	129	11	—	—	—	—	—	—	—	35,545
JUMLAH (TOTAL)		130,890	115,395	6,417	552,321	201,014	24,915	28	745	40,903	18,556	504	834	430	70	1,490	137	936	342	1,095,176

Timbangan diambil selepas diawitkan (Weights taken after preservation)

SEMENANJUNG MALAYSIA (PENINSULAR MALAYSIA)
KILANG-KILANG AIR BATU DAN KEMUDAHAN-KEMUDAHAN

PENYEJUK DITARIKH 31-12-1978
(Ice Factories and Refrigeration Facilities as at 31-12-1978)

Jadual (Table)
3.8

Negeri (State)	ICE FACTORIES						REFRIGERATION ESTABLISHMENTS			TOTAL STORAGE-CAPACITY	
	No.	Daily Production-Capacity			Storage-Capacity		No	Storage Capacity			
		Tons	Blocks	Lb. per Block	Ice (Tons)	Fish (Tons)		Ice (Tons)	Fish (Tons)	Ice (Tons)	Fish (Tons)
Perlis	2	150	1,350	224 – 320	700	—	—	—	—	700	—
Kedah	6	203	2,030	224	563	12	10	189	225	752	237
Pulau Pinang (Penang)	8	596	4,110	224 – 320	600	2,845	14	71	5,576	671	8,421
Perak	11	1,184	11,625	200 – 300	2,605	1,728	38	178	842	2,783	2,570
Selangor	20	66	1,193	40 – 215	250	—	15	302	25	552	25
Negeri Sembilan	1	28	280	224	14	—	—	—	—	14	—
Melaka (Malacca)	2	75	525	320	241	300	—	—	—	241	300
Kelantan	19	110	1,831	25 – 224	204	166	2	7	7	211	173
Trengganu	10	166	1,642	27 – 300	265	43	5	151	124	416	167
Pahang	8	204	2,748	20 – 244	513	142	3	14	28	527	170
Johor (Johore)	7	289	2,569	224 – 320	207	12	16	291	40	498	52
	94	3,071	29,903	—	6,162	5,248	103	1,203	6,867	7,365	12,115

SEMENANJUNG MALAYSIA (PENINSULAR MALAYSIA)

HASIL PERIKANAN DALAM RINGGIT MALAYSIA 1978

(Fisheries Revenue in Malaysian Dollars, 1978)

Jadual (Table)

3.9

JENIS HASIL (Type of Revenue)	HASIL NEGERI (STATE REVENUE)					HASIL PERSEKUTUAN (FEDERAL REVENUE)										JUMLAH BESAR (GRAND TOTAL)
	Perahu (Boat)	Perikanan (Fishing)	Patil Perahu (Boat No. Plate)	Jualan Telor Penyu (Sale of Turtle Eggs)	JUMLAH (Total)	JUALAN PERIKANAN (Fisheries Sales)			Pelbagai Bayaran dan Pindah Milek (Miscella- neous; boat transfer fee)	Sewa Rumah (Rent of Govt. House)	Kompaun atau denda (Compound or Fine)	Bayaran masuk Akuarium (Aquarium Entrance Fee)	Bilik Sejok (Cold Room)	Lain-Lain (Miscel- laneous)	Jumlah (Total)	
						Ikan (Fish)	Patil Belat (Stake No. Plate)	Lain-Lain (Miscel- laneous)								
NEGERI (State)																
Perlis	6,083.05	5,633.00	595.00	—	12,311.05	—	—	—	165.50	—	—	—	—	—	165.50	12,476.55
Kedah	30,155.34	25,408.00	2,327.00	—	57,890.34	103.00	21.00	—	676.00	—	9,400.00	—	—	—	10,200.00	68,090.34
P. Pinang (Penang)	17,480.00	14,250.00	2,473.00	—	34,203.00	1,146.61	—	—	388.40	8,730.00	57,241.00	134,594.50	—	1,180.30	203,280.81	237,483.81
Perak	56,571.20	62,086.00	5,600.00	—	124,257.20	196.00	—	2,500.00	1,044.00	—	23,400.00	—	—	—	27,140.00	151,397.20
Selangor	35,466.02	28,348.00	3,399.00	—	67,213.02	—	—	3,343.34	557.00	—	3,500.00	—	—	—	7,400.34	74,613.36
N. Sembilan	667.97	504.00	196.00	—	1,367.97	—	—	—	41.00	—	—	—	—	—	41.00	1,408.97
Melaka (Malacca)	3,259.10	2,252.00	734.00	—	6,245.10	—	—	610.00	240.50	—	—	—	—	—	850.50	7,095.60
Kelantan	8,382.48	7,169.00	1,560.00	—	17,111.48	3.00	—	5,220.00	204.50	—	3,200.00	—	8,980.00	—	17,607.50	34,718.98
Trengganu	20,148.58	11,903.00	3,359.00	821.96	36,232.54	1,047.02	—	210.50	1,319.80	—	8,550.00	—	19,048.20	404,071.00	434,246.52	470,479.06
Pahang	8,276.53	9,259.00	931.00	—	18,466.53	—	—	—	278.30	—	2,400.00	—	8,896.10	—	11,574.40	30,040.93
Johor	29,188.02	13,010.00	6,121.00	—	48,319.02	20.00	9.00	415.00	601.50	—	10,300.00	—	—	—	11,345.50	59,664.52
JUMLAH (TOTAL)	215,678.29	179,822.00	27,295.00	821.96	423,617.25	2,515.63	30.00	12,298.84	5,516.50	8,730.00	117,991.00	134,594.50	36,924.30	*405,251.30	723,852.07	1147,469.32

@ Jualan Boat dan Injin Dirampas
(Sale of Confiscated Boats and Engines)

Jualan Harta Kerajaan
(Sale of Government Property)

SEMENANJUNG MALAYSIA (PENINSULAR MALAYSIA)

**IMPORT DAN EKSPOT BARANG PERIKANAN MENGIKUT NEGERI-NEGERI
ASAL DAN DESTINASI – 1978**

(Imports and Exports in Fishery Commodities by Countries of Origin and Destination – 1978)

Jadual (Table) 4.1

Commodity Code S.I.T.C.	Description of commodity and Country	Unit of Quantity	IMPORTS		EXPORTS	
			Quantity	Value \$	Quantity	Value \$
034 110 00	FISH, FRESH, CHILLED OR FROZEN (excluding fillets) fish fry, alive	1,000				
	Singapore		94.28	7,784	5.00	1,200
	Thailand		408.17	40,407	—	—
	Indonesia		65.98	5,933	—	—
	Japan		94.16	6,630	—	—
	U.S.A.		—	—	—	—
	U.K.		—	—	—	—
	Hong Kong		528.98	43,945	2.85	400
	Taiwan		667.31	59,055	—	—
	China		—	—	—	—
	Others		—	—	63.00	7,815
	Total		1,858.88	163,754	70.85	9,415
034 120 00	fish for aquaria, alive	100				
	Singapore		10,939.05	177,397	51,633.91	211,059
	Thailand		1,016.80	14,814	86.00	181
	Indonesia		370.00	2,329	—	—
	Japan		56.70	10,196	30.00	200
	U.S.A.		—	—	—	—
	U.K.		—	—	351.41	11,415
	Hong Kong		10,146.24	56,804	183.00	1,189
	Taiwan		949.00	27,210	—	—
	China		—	—	—	—
	Others		5.47	1,402	4,539.13	7,363
	Total		23,483.26	290,152	56,823.45	231,407
034 131 00	tuna, fresh, chilled	Tonne				
	Singapore		—	—	3.78	3,527
	Thailand		6.60	3,960	—	—
	Indonesia		0.26	1,000	—	—
	Japan		200.00	200,000	3.28	4,600
	U.S.A.		—	—	383.22	1,334,894
	U.K.		—	—	—	—
	Hong Kong		—	—	—	—
	Taiwan		259.00	259,000	8.20	17,966
	China		—	—	—	—
	Others		641.73	731,069	—	—
	Total		1,107.59	1,195,029	398.48	1,360,987
034 132 00	sauries, fresh, chilled	Tonne				
	Singapore		—	—	—	—
	Thailand		—	—	—	—
	Indonesia		—	—	—	—
	Japan		6.00	9,000	—	—
	U.S.A.		—	—	—	—
	U.K.		—	—	—	—
	Hong Kong		—	—	—	—
	Taiwan		—	—	—	—
	China		—	—	—	—
	Others		—	—	—	—
	Total		6.00	9,000	—	—

Sambungan (Continued)

Commodity Code S.I.T.C.	Description of commodity and Country	Unit of Quantity	IMPORTS		EXPORTS	
			Quantity	Value \$	Quantity	Value \$
034 139 00	marine fish-other than tuna & sauries, fresh, chilled.	Tonne				
	Singapore		700.93	494,015	25,883.40	18,997,395
	Thailand		55,391.35	31,054,695	10.47	4,740
	Indonesia		365.87	507,044	6.62	2,261
	Japan		0.10	137	40.46	116,465
	U.S.A.		1.92	21,211	—	—
	U.K.		1.01	5,395	0.40	500
	Hong Kong		0.50	1,500	12.22	6,124
	Taiwan		35.00	180.00	0.50	400
	China		—	—	—	—
	Others		53.32	83,870	19.43	30,576
	Total		56,550.00	32,185,867	25,973.50	19,158,461
034 140 00	freshwater fish fresh; chilled	Tonne				
	Singapore		2.37	12,517	109.88	113,387
	Thailand		43.74	44,419	222.32	88,707
	Indonesia		—	—	—	—
	Japan		—	—	—	—
	U.S.A.		—	—	—	—
	U.K.		0.03	116	—	—
	Hong Kong		2.57	11,098	23.32	12,884
	Taiwan		—	—	—	—
	China		—	—	—	—
	Others		0.30	1,681	—	—
	Total		49.01	69,831	355.52	214,978
034 211 00	tuna, frozen	Tonne				
	Singapore		—	—	—	—
	Thailand		—	—	—	—
	Indonesia		—	—	—	—
	Japan		354.91	337,145	111.30	249,338
	U.S.A.		—	—	719.73	2,403,000
	U.K.		—	—	—	—
	Hong Kong		—	—	—	—
	Taiwan		1,465.25	1,405,223	15.00	15,000
	China		—	—	—	—
	Others		29.75	46,528	300.00	300,000
	Total		1,849.91	1,788,896	1,146.03	2,967,338
034 212 00	sauries, frozen	Tonne				
	Singapore		—	—	—	—
	Thailand		—	—	—	—
	Indonesia		—	—	—	—
	Japan		72.00	143,919	—	—
	U.S.A.		—	—	—	—
	U.K.		—	—	—	—
	Hong Kong		—	—	—	—
	Taiwan		—	—	—	—
	China		—	—	—	—
	Others		—	—	—	—
	Total		72.00	143,919	—	—

Sambungan (Continued)

Commodity Code S.I.T.C.	Description of commodity and Country	Unit of Quantity	IMPORTS		EXPORTS	
			Quantity	Value \$	Quantity	Value \$
034 219 00	marine fish-other than tuna & sauries, frozen	Tonne				
	Singapore		1,349.67	1,022,651	40.85	37,914
	Thailand		64.48	33,240		
	Indonesia		10.78	37,967	--	--
	Japan		89.67	309,425	114.81	462,306
	U.S.A.		5.54	66,030	12.00	34,116
	U.K.		1.95	9,663	--	--
	Hong Kong		1.23	15,245	--	--
	Taiwan		70.50	69,258	17.00	18,538
	China		1.00	800	--	--
	Others		134.83	298,649	23.10	48,329
	Total		1,729.65	1,862,928	207.76	601,203
034 220 00	freshwater fish, frozen	Tonne				
	Singapore		--	--	14.14	8,294
	Thailand		4.10	1,640	--	--
	Indonesia		--	--	--	--
	Japan		--	--	--	--
	U.S.A.		--	--	--	--
	U.K.		0.09	326	--	--
	Hong Kong		--	--	--	--
	Taiwan		--	--	0.79	394
	China		--	--	--	--
	Others		4.55	13,050	--	--
	Total		8.74	15,016	14.93	8,688
034 300 00	fish fillets,fresh or chilled	Tonne				
	Singapore		0.53	1,070	0.70	2,216
	Thailand		59.78	32,099	--	--
	Indonesia		0.08	143	--	--
	Japan		--	--	--	--
	U.S.A.		--	--	--	--
	U.K.		0.01	60	--	--
	Hong Kong		--	--	--	--
	Taiwan		--	--	--	--
	China		--	--	--	--
	Others		--	--	0.02	80
	Total		60.40	33,372	0.72	2,296
034 400 00	fish, fillets, frozen	Tonne				
	Singapore		0.52	500	2.17	2,303
	Thailand		0.01	43	--	--
	Indonesia		0.34	707	--	--
	Japan		0.61	1,482	0.75	2,370
	U.S.A.		0.62	4,979	--	--
	U.K.		0.16	1,165	--	--
	Hong Kong		--	--	--	--
	Taiwan		0.01	43	--	--
	China		--	--	--	--
	Others		1.54	5,509	6.10	36,780
	Total		3.81	14,428	9.02	41,453

Commodity Code S.I.T.C.	Description of commodity and Country	Unit of Quantity	IMPORTS		EXPORTS	
			Quantity	Value \$	Quantity	Value \$
035 010 00	FISH – DRIED, SALTED, IN BRINE OR SMOKED	Tonne				
	fish meal fit for human consumption					
	Singapore		0.03	70	1.79	1,246
	Thailand		—	—	—	—
	Indonesia		15.00	4,349	—	—
	Japan		1.00	1,243	—	—
	U.S.A.		—	—	—	—
	U.K.		—	—	—	—
	Hong Kong		—	—	—	—
	Taiwan		—	—	—	—
	China		—	—	—	—
	Others		—	—	—	—
	Total		16.03	5,662	1.79	1,246
035 020 00	cod, not in fillets, dried	Tonne				
	Singapore		0.02	84	—	—
	Thailand		—	—	—	—
	Indonesia		—	—	—	—
	Japan		—	—	—	—
	U.S.A.		—	—	—	—
	U.K.		0.01	36	0.20	413
	Hong Kong		—	—	—	—
	Taiwan		0.01	20	—	—
	China		—	—	—	—
	Others		—	—	—	—
	Total		0.04	1.40	0.20	413
035 031 00	fishmaws (excl. cod) dried, salted or in brine	Tonne				
	Singapore		0.98	8,725	0.32	848
	Thailand		—	—	—	—
	Indonesia		12.53	87,098	—	—
	Japan		0.69	3,509	20.38	101,900
	U.S.A.		—	—	—	—
	U.K.		0.03	168	—	—
	Hong Kong		0.98	6,950	—	—
	Taiwan		—	—	—	—
	China		—	—	—	—
	Others		1.30	9,147	1.56	7,458
	Total		16.51	115,597	22.26	110,206
035 032 00	sharks' fins dried, salted or in brine	Tonne				
	Singapore		171.68	280,263	13.74	40,586
	Thailand		—	—	—	—
	Indonesia		136.67	591,350	—	—
	Japan		76.30	537,022	—	—
	U.S.A.		0.71	2,708	—	—
	U.K.		—	—	—	—
	Hong Kong		2.63	16,853	—	—
	Taiwan		3.92	29,320	—	—
	China		—	—	—	—
	Others		10.31	101,253	9.11	92,037
	Total		402.22	1,558,769	22.85	132,623

Sambungan (Continued)

Commodity Code S.I.T.C.	Description of commodity and Country	Unit of Quantity	IMPORTS		EXPORTS	
			Quantity	Value \$	Quantity	Value \$
035 039 10	other marine fish (excl. cod) dried, salted or in brine.	Tonne				
	Singapore		140.60	157,671	3,127.53	3,286,959
	Thailand		3,615.52	2,656,768	—	—
	Indonesia		543.61	665,106	35.77	17,063
	Japan		7.37	14,069	174.21	997,270
	U.S.A.		—	—	24.02	169,851
	U.K.		0.17	336	0.62	997
	Hong Kong		22.26	44,466	219.98	669,523
	Taiwan		9.88	20,746	—	—
	China		3.00	19,380	—	—
	Others		180.07	686,873	345.44	962,656
Total:			4,522.48	4,265,415	3,927.57	6,104,319
035 039 20	freshwater fish dried, salted or in brine.	Tonne				
	Singapore		5.31	3,807	92.93	145,509
	Thailand		1.10	660	—	—
	Indonesia		8.31	11,765	—	—
	Japan		1.03	504	—	—
	U.S.A.		—	—	0.40	2,340
	U.K.		0.01	30	—	—
	Hong Kong		0.17	377	0.01	50
	Taiwan		0.12	270	—	—
	China		—	—	—	—
	Others		4.86	14,003	1.31	74.68
Total:			20.91	31,416	94.65	155,367
035 041 00	smoked salmon	Tonne				
	Singapore		—	—	—	—
	Thailand		—	—	—	—
	Indonesia		0.01	141	—	—
	Japan		0.08	518	—	—
	U.S.A.		6.23	145,947	—	—
	U.K.		1.05	28,543	—	—
	Hong Kong		—	—	—	—
	Taiwan		—	—	—	—
	China		—	—	—	—
	Others		1.41	37,366	—	—
Total:			8.78	212,515	—	—

Commodity Code S.I.T.C.	Description of commodity and Country	Unit of Quantity	IMPORTS		EXPORTS	
			Quantity	Value \$	Quantity	Value \$
035 049 00	other fish smoked, excl. salmon	Tonne				
	Singapore		0.03	124	9.15	50,551
	Thailand		0.11	411	—	—
	Indonesia		0.01	1,555	—	—
	Japan		0.19	515	32.04	214,005
	U.S.A.		0.03	124	—	—
	U.K.		1.30	8,259	—	—
	Hong Kong		—	—	—	—
	Taiwan		0.01	48	—	—
	China		—	—	—	—
	Others		0.23	2,825	0.07	148
Total			1.91	13,861	41.26	264,704
036 011 00	CRUSTACEANS AND MOL- LUSCS FRESH, CHILLED, FROZEN DRIED, SALTED, IN BRINE OR SIMPLY BOILED.	Tonne				
	prawns, fresh, chilled					
	Singapore		604.65	518,267	3,557.48	5,301,386
	Thailand		18,729.79	8,835,386	—	—
	Indonesia		523.56	21,709	—	—
	Japan		—	—	0.04	— 34
	U.S.A.		—	—	—	—
	U.K.		—	—	9.14	74,683
	Hong Kong		—	—	1.55	6,008
	Taiwan		—	—	0.02	100
	China		—	—	—	—
	Others		—	—	39.20	133,355
Total			19,858.00	9,375,362	3,607.43	5,515,566
036 012 00	prawns, fresh, frozen	Tonne				
	Singapore		281.75	241,344	—	—
	Thailand		56.88	93,193	—	—
	Indonesia		75.24	277,300	0.07	300
	Japan		0.01	223	1,813.57	28,010,052
	U.S.A.		1.15	18,046	149.44	1,352,125
	U.K.		0.01	635	3,978.79	28,408,710
	Hong Kong		—	—	30.68	283,368
	Taiwan		—	—	—	—
	China		—	—	—	—
	Others		18.64	164,001	5,212.58	38,705,426
Total			433.68	794,742	11,185.13	96,759,981

Commodity Code S.I.T.C.	Description of commodity and Country	Unit of Quantity	IMPORTS		EXPORTS	
			Quantity	Value \$	Quantity	Value \$
036 029 00	crustaceans (excl. prawns) — others	Tonne				
	Singapore		4.21	3,061	7.55	6,716
	Thailand		18.36	31,600	—	—
	Indonesia		3.65	11,712	—	—
	Japan		—	—	—	—
	U.S.A.		—	—	—	—
	U.K.		—	—	—	—
	Hong Kong		1.80	5,032	—	—
	Taiwan		—	—	—	—
	China		1.00	7,038	—	—
	Others		2.09	16,167	39.52	168,703
Total			31.11	74,610	47.07	175,419
036 030 00	oyster	Tonne				
	Singapore		6.84	18,795	82.56	79,345
	Thailand		0.38	734	—	—
	Indonesia		0.43	1,313	—	—
	Japan		9.44	111,908	—	—
	U.S.A.		—	—	144.66	531,028
	U.K.		0.10	699	—	—
	Hong Kong		15.37	39,336	—	—
	Taiwan		0.03	100	—	—
	China		—	—	—	—
	Others		55.47	207,451	0.84	1,023
Total			88.06	380,336	228.06	611,396
036 041 00	molluscs (excl. oysters) — fresh, chilled, frozen	Tonne				
	Singapore		327.67	185,029	8,493.02	3,297,016
	Thailand		2,145.00	1,388,694	13,230.69	2,398,786
	Indonesia		1.00	1,655	114.72	11,460
	Japan		0.16	537	13,987.61	6,062,278
	U.S.A.		1.88	28,119	2.94	36,219
	U.K.		0.07	1,470	1.17	6,402
	Hong Kong		0.40	1,252	97.23	30,831
	Taiwan		—	—	—	—
	China		—	—	—	—
	Others		14.84	171,595	1,460.70	2,964,343
Total			2,491.02	1,778,351	37,388.08	14,807,335
036 028 00	crustaceans (excl. prawns) — salted, in brine, dried or simply boiled	Tonne				
	Singapore		2.19	2,517	2.75	3,235
	Thailand		0.97	1,419	—	—
	Indonesia		8,125.81	29,326	—	—
	Japan		—	—	0.01	20
	U.S.A.		—	—	—	—
	U.K.		—	—	—	—
	Hong Kong		23.49	71,295	—	—
	Taiwan		0.10	232	—	—
	China		—	—	—	—
	Others		2.84	6,956	—	—
Total			8,155.40	111,745	2.76	3,255

Commodity Code S.I.T.C.	Description of commodity and Country	Unit of Quantity	IMPORTS		EXPORTS	
			Quantity	Value \$	Quantity	Value \$
036 048 00	molluscs (excl. oysters) — salted, in brine dried or simply boiled	Tonne				
	Singapore		10.73	18,889	149.89	155,190
	Thailand		641.79	607,038	—	—
	Indonesia		41.81	207,149	—	—
	Japan		15.80	373,324	7,827.74	11,078,207
	U.S.A.		0.01	566	6.63	46,602
	U.K.		0.20	4,980	—	—
	Hong Kong		138.58	305,862	74.37	499,859
	Taiwan		0.57	1,529	—	—
	China		19.68	122,579	—	—
	Others		153.31	538,083	66.97	98,457
	Total		1,022.48	2,179,999	8,125.60	11,878,315
036 049 00	molluscs (excl. oysters) — other	Tonne				
	Singapore		5.47	7,140	61.29	34,779
	Thailand		2.47	3,581	—	—
	Indonesia		12.08	52,771	—	—
	Japan		1.99	9,914	—	—
	U.S.A.		—	—	—	—
	U.K.		—	—	—	—
	Hong Kong		41.22	89,958	8.72	15,315
	Taiwan		0.12	383	—	—
	China		—	—	—	—
	Others		12.87	47,825	5.16	2,623
	Total		76.22	211,572	75.17	52,717
011 891 00	Beche-de-mer (trepang) fresh, chilled or frozen.	Tonne				
	Singapore		—	—	—	—
	Thailand		—	—	—	—
	Indonesia		3.35	13,175	—	—
	Japan		—	—	—	—
	U.S.A.		—	—	—	—
	U.K.		—	—	—	—
	Hong Kong		—	—	—	—
	Taiwan		—	—	—	—
	China		—	—	—	—
	Others		1.69	2,176	—	—
	Total		5.04	15,351	—	—
012 902 00	Beche-de-mer (trepang) salted, in brine, dried or smoked	Tonne				
	Singapore		2.32	3,354	2.13	2,196
	Thailand		0.19	326	—	—
	Indonesia		424.52	505,779	—	—
	Japan		—	—	—	—
	U.S.A.		1.58	3,253	—	—
	U.K.		—	—	—	—
	Hong Kong		0.34	870	—	—
	Taiwan		0.12	260	—	—
	China		—	—	—	—
	Others		38.76	81,362	—	—
	Total		467.83	595,204	2.13	2,196

Commodity Code S.I.T.C.	Description of commodity and Country	Unit of Quantity	IMPORTS		EXPORTS	
			Quantity	Value \$	Quantity	Value \$
036 013 00	prawns, salted, in brine, dried or simply boiled.	Tonne				
	Singapore		20.10	23,953	150.39	158,411
	Thailand		281.24	275,454	—	—
	Indonesia		265.89	419,586	—	—
	Japan		4.80	47,909	117.42	484,714
	U.S.A.		0.22	909	0.06	370
	U.K.		3.98	45,292	0.22	943
	Hong Kong		—	—	27.53	19,049
	Taiwan		—	—	—	—
	China		5.00	42,350	—	—
	Others		7.47	35,936	35.04	298,813
	Total		588.70	891,389	330.66	962,300
036 019 00	prawns - other	Tonne				
	Singapore		10.26	18,919	9.04	9,655
	Thailand		210.32	139,236	—	—
	Indonesia		6.58	11,877	0.02	49
	Japan		3.32	32,823	—	—
	U.S.A.		—	—	—	—
	U.K.		—	—	—	—
	Hong Kong		0.07	124	—	—
	Taiwan		—	—	—	—
	China		—	—	—	—
	Others		1.19	11,761	1.50	3,155
	Total		231.74	214,740	10.56	12,859
036 021 00	crustaceans (excl. prawns) — fresh, chilled or frozen.	Tonne				
	Singapore		73.36	58,054	144.58	127,435
	Thailand		1,697.16	840,945	14.50	4,238
	Indonesia		8.38	12,001	—	—
	Japan		—	—	55.09	287,353
	U.S.A.		0.05	568	4.36	30,791
	U.K.		—	—	—	—
	Hong Kong		0.00	0.00	0.60	655
	Taiwan		—	—	0.10	574
	China		—	—	—	—
	Others		5.21	30,602	84.95	193,708
	Total		1,784.16	942,170	304.18	644,754

Commodity Code S.I.T.C.	Description of commodity and Country	Unit of Quantity	IMPORTS		EXPORTS	
			Quantity	Value \$	Quantity	Value \$
037 111 00	PREPARED OR PRESERVED FISH: (In airtight containers) Sardines	Tonne				
	Singapore		8.94	29,644	179.21	280,886
	Thailand		78.37	151,288	10.36	16,962
	Indonesia		2.04	7,000	16.67	25,549
	Japan		4,513.54	9,921,183	—	—
	U.S.A.		—	—	—	—
	U.K.		22.70	48,474	—	—
	Hong Kong		—	—	—	—
	Taiwan		—	—	—	—
	China		10.26	16,318	—	—
	Others		67.83	199,212	841.99	1,452,465
	Total		4,703.68	10,373,119	1,048.23	1,775,862
037 112 00	herrings and brislings	Tonne				
	Singapore		0.01	40	—	—
	Thailand		—	—	—	—
	Indonesia		—	—	—	—
	Japan		6.20	14,600	—	—
	U.S.A.		—	—	—	—
	U.K.		1.57	8,818	—	—
	Hong Kong		11.82	27,900	—	—
	Taiwan		0.24	720	—	—
	China		13.63	52,225	—	—
	Others		3.46	29,118	5.49	14,584
	Total		36.93	133,421	5.49	14,584
037 113 00	pilchards	Tonne				
	Singapore		—	—	—	—
	Thailand		—	—	—	—
	Indonesia		—	—	—	—
	Japan		—	—	—	—
	U.S.A.		—	—	—	—
	U.K.		—	—	—	—
	Hong Kong		—	—	—	—
	Taiwan		—	—	—	—
	China		—	—	—	—
	Others		—	—	11.48	30,695
	Total		—	—	11.48	30,695
037 114 00	salmon	Tonne				
	Singapore		—	—	—	—
	Thailand		—	—	—	—
	Indonesia		—	—	—	—
	Japan		0.01	60	—	—
	U.S.A.		2.75	19,530	—	—
	U.K.		0.54	6,760	—	—
	Hong Kong		—	—	—	—
	Taiwan		—	—	—	—
	China		—	—	—	—
	Others		2.89	31,910	1.14	2,741
	Total		6.19	58,260	1.14	2,741

Commodity Code S.I.T.C.	Description of commodity and Country	Unit of Quantity	IMPORTS		EXPORTS	
			Quantity	Value \$	Quantity	Value \$
037 115 00	souries	Tonne				
	Singapore		—	—	1.43	4,500
	Thailand		—	—	—	—
	Indonesia		—	—	—	—
	Japan		—	—	—	—
	U.S.A.		—	—	—	—
	U.K.		—	—	—	—
	Hong Kong		—	—	—	—
	Taiwan		—	—	—	—
	China		0.90	3,900	—	—
	Others		—	—	17.57	34,054
Total			0.90	3,900	19.00	38,554
037 116 00	tuna	Tonne				
	Singapore		13.16	50,278	75.30	779,802
	Thailand		—	—	12.38	80,591
	Indonesia		—	—	—	—
	Japan		1.41	4,081	—	—
	U.S.A.		0.86	9,288	186.54	834,427
	U.K.		0.62	4,293	153.08	779,802
	Hong Kong		—	—	—	—
	Taiwan		—	—	—	—
	China		—	—	—	—
	Others		0.38	1,793	1366.06	5,124,137
Total			16.43	69,733	1793.36	7,598,759
037 117 00	horse mackerels	Tonne				
	Singapore		4.25	11,040	144.14	247,782
	Thailand		—	—	3.57	5,320
	Indonesia		—	—	50.82	52,334
	Japan		6,663.16	14,198,198	—	—
	U.S.A.		—	—	1.00	1,140
	U.K.		—	—	—	—
	Hong Kong		—	—	—	—
	Taiwan		—	—	—	—
	China		63.09	101,924	—	—
	Others		—	—	1726.01	2,632,995
Total			6,730.50	14,311,162	1925.54	2,939,571
037 119 00	other	Tonne				
	Singapore		0.59	806	549.39	871,004
	Thailand		—	—	—	—
	Indonesia		—	—	—	—
	Japan		217.13	429,349	—	—
	U.S.A.		1.00	3,144	—	—
	U.K.		1.37	9,757	1.98	3,730
	Hong Kong		10.51	16,965	7.38	27,845
	Taiwan		1.33	15,890	—	—
	China		82.53	325,724	—	—
	Others		296.66	290,715	1672.79	3,583,015
Total			611.12	1,092,350	2,231.54	4,485,594

Commodity Code S.I.T.C.	Description of commodity and Country	Unit of Quantity	IMPORTS		EXPORTS	
			Quantity	Value \$	Quantity	Value \$
037 191 00	PREPARED OR PRESERVED FISH (In other than airtight containers)	Tonne				
	sharks' fins					
	Singapore		0.56	4,031	—	—
	Thailand		—	—	—	—
	Indonesia		—	—	—	—
	Japan		0.04	420	—	—
	U.S.A.		—	—	—	—
	U.K.		—	—	—	—
	Hong Kong		0.12	5,639	—	—
	Taiwan		—	—	—	—
	China		—	—	—	—
	Others		—	—	—	—
Total			0.72	10,090	—	—
037 192 00	fish paste and similar preparations.	Tonne				
	Singapore		1.62	1,157	154.24	239,310
	Thailand		0.10	150	—	—
	Indonesia		—	—	—	—
	Japan		3.02	6,042	—	—
	U.S.A.		4.77	31,144	—	—
	U.K.		0.15	265	—	—
	Hong Kong		0.02	61	0.99	7,874
	Taiwan		0.06	120	—	—
	China		—	—	—	—
	Others		2.41	12,065	18.93	55,296
Total			12.15	51,004	174.16	302,480
037 193 00	fish, boiled or steamed	Tonne				
	Singapore		0.36	150	11.51	19,280
	Thailand		—	—	—	—
	Indonesia		—	—	—	—
	Japan		0.27	791	—	—
	U.S.A.		—	—	—	—
	U.K.		—	—	—	—
	Hong Kong		—	—	—	—
	Taiwan		—	—	—	—
	China		—	—	—	—
	Others		—	—	0.25	250
Total			0.63	941	11.76	19,530
037 199 00	other	Tonne				
	Singapore		7.57	5,729	68.33	152,980
	Thailand		34.40	21,162	—	—
	Indonesia		0.14	162	—	—
	Japan		25.86	92,647	—	—
	U.S.A.		—	—	—	—
	U.K.		23.53	186,889	—	—
	Hong Kong		2.40	3,409	0.30	608
	Taiwan		0.12	875	—	—
	China		5.49	20,281	—	—
	Others		147.78	469,639	45.33	117,646
Total			247.29	800,793	113.96	271,234

Commodity Code S.I.T.C.	Description of commodity and Country	Unit of Quantity	IMPORTS		EXPORTS	
			Quantity	Value \$	Quantity	Value \$
037 211 00	PREPARED OR PRESERVED CRUSTACEANS AND MOLLUSCS (In airtight containers)	Tonne				
	abalone					
	Singapore		—	—	19.56	54,902
	Thailand		—	—	—	—
	Indonesia		—	—	—	—
	Japan		2.67	32,205	—	—
	U.S.A.		13.30	166,875	—	—
	U.K.		—	—	107.50	774,296
	Hong Kong		—	—	—	—
	Taiwan		2.43	16,852	—	—
	China		—	—	—	—
	Others		125.82	1,315,500	88.61	589,286
	Total		144.22	1,531,432	215.67	1,418,484
037 212 00	prawns and shrimps	Tonne				
	Singapore		0.23	1,103	168.91	450,358
	Thailand		0.12	72	—	—
	Indonesia		—	—	0.01	30
	Japan		—	—	—	—
	U.S.A.		2.11	2,033	0.23	610
	U.K.		25.05	208,826	172.03	1,235,024
	Hong Kong		—	—	0.06	360
	Taiwan		—	—	—	—
	China		1.20	3,473	—	—
	Others		0.04	168	894.39	4,149,984
	Total		28.75	215,675	1,235.63	5,836,366
037 213 00	crabs	Tonne				
	Singapore		0.15	1,074	65.16	132,995
	Thailand		0.34	2,528	—	—
	Indonesia		—	—	—	—
	Japan		—	—	1.92	15,351
	U.S.A.		—	—	39.44	295,915
	U.K.		—	—	0.01	288
	Hong Kong		—	—	—	—
	Taiwan		—	—	—	—
	China		—	—	—	—
	Others		—	—	137.78	884,775
	Total		0.49	3,602	244.31	1,329,324
037 214 00	cuttlefish	Tonne				
	Singapore		1.40	3,694	247.72	441,783
	Thailand		2.02	2,816	—	—
	Indonesia		—	—	0.06	50
	Japan		0.12	401	5.88	21,854
	U.S.A.		—	—	—	—
	U.K.		—	—	0.10	105
	Hong Kong		—	—	1.50	9,216
	Taiwan		—	—	—	—
	China		16.01	42,161	—	—
	Others		0.01	119	924.13	1,693,482
	Total		19.56	49,191	1,179.39	2,166,490

Commodity Code S.I.T.C.	Description of commodity and Country	Unit of Quantity	IMPORTS		EXPORTS	
			Quantity	Value \$	Quantity	Value \$
037 219 00	other	Tonne				
	Singapore		0.06	370	199.22	423,516
	Thailand		3.96	2,889	—	—
	Indonesia		—	—	0.07	94
	Japan		2.27	29,826	—	—
	U.S.A.		0.65	5,400	3.54	18,103
	U.K.		0.03	169	1.56	3,197
	Hong Kong		1.99	3,796	—	—
	Taiwan		—	—	—	—
	China		9.59	38,431	—	—
	Others		7.90	35,168	663.23	1,482,100
Total			26.45	116,049	867.62	1,927,010
037 220 00	(In other than airtight containers):	Tonne				
	Singapore		219.84	442,627	285.27	393,228
	Thailand		663.46	975,468	—	—
	Indonesia		2.24	5,086	—	—
	Japan		211.64	615,909	9.00	10,251
	U.S.A.		—	—	10.87	98,721
	U.K.		—	—	148.25	957,281
	Hong Kong		0.62	8,077	—	—
	Taiwan		4.52	5,385	—	—
	China		32.22	134,678	—	—
	Others		8.32	72,385	490.62	2,672,798
Total			1,142.86	2,259,615	944.01	4,132,279
411 110 00	FATS AND OILS OF FISH AND MARINE MAMMALS fish liver oil	Tonne				
	Singapore		—	—	—	—
	Thailand		6.03	3,621	—	—
	Indonesia		35.61	20,265	0.20	600
	Japan		—	—	—	—
	U.S.A.		—	—	—	—
	U.K.		0.05	228	—	—
	Hong Kong		—	—	—	—
	Taiwan		—	—	—	—
	China		—	—	—	—
	Others		5.34	13,424	1.74	2,265
Total			47.03	37,538	1.94	2,865
411 120 00	other fish oils and fats	Tonne				
	Singapore		0.45	867	—	—
	Thailand		—	—	—	—
	Indonesia		404.12	241,005	—	—
	Japan		—	—	—	—
	U.S.A.		—	—	—	—
	U.K.		0.53	1,916	—	—
	Hong Kong		—	—	—	—
	Taiwan		—	—	—	—
	China		—	—	—	—
	Others		145.00	260,946	—	—
Total			550.10	504,734	—	—

Commodity Code S.I.T.C.	Description of commodity and Country	Unit of Quantity	IMPORTS		EXPORTS	
			Quantity	Value \$	Quantity	Value \$
411 130 00	oils and fats of marine mammals	Tonne				
	Singapore		—	—	—	—
	Thailand		—	—	—	—
	Indonesia		15.63	9,376	—	—
	Japan		—	—	—	—
	U.S.A.		—	—	—	—
	U.K.		—	—	—	—
	Hong Kong		—	—	—	—
	Taiwan		—	—	—	—
	China		—	—	—	—
	Others		—	—	—	—
	Total		15.63	9,376	—	—
081 421 00	FLOURS AND MEALS, OF FISH, CRUSTACEANS OR MOLLUSCS UNFIT FOR HUMAN CONSUMPTION	Tonne				
	fish meal					
	Singapore		193.69	113,098	2,118.17	535,289
	Thailand		32,226.47	15,116,284	53.50	5,350
	Indonesia		—	—	26.30	10,816
	Japan		211.00	125,625	—	—
	U.S.A.		—	—	—	—
	U.K.		0.32	1,142	—	—
	Hong Kong		—	—	—	—
	Taiwan		0.40	1,153	—	—
	China		91.32	100,208	—	—
	Others		743.20	522,299	150.00	124,626
	Total		33,466.40	15,979,809	2,347.97	676,081
081 422 00	prawn dust	Tonne				
	Singapore		9.20	1,833	698.03	128,074
	Thailand		88.45	15,573	—	—
	Indonesia		—	—	—	—
	Japan		—	—	—	—
	U.S.A.		—	—	—	—
	U.K.		—	—	—	—
	Hong Kong		—	—	—	—
	Taiwan		—	—	—	—
	China		—	—	—	—
	Others		—	—	—	—
	Total		97.65	17,406	698.03	128,074
081 429 00	other	Tonne				
	Singapore		—	—	—	—
	Thailand		167.41	86,421	—	—
	Indonesia		—	—	0.02	10
	Japan		—	—	—	—
	U.S.A.		0.02	283	—	—
	U.K.		—	—	—	—
	Hong Kong		—	—	—	—
	Taiwan		—	—	—	—
	China		—	—	—	—
	Others		—	—	—	—
	Total		167.43	86,704	0.02	10

Commodity Code S.I.T.C.	Description of commodity and Country	Unit of Quantity	IMPORTS		EXPORTS	
			Quantity	Value \$	Quantity	Value \$
098 059 20	MISCELLANEOUS					
	Soups and broths in liquid, solid or powder form of fish, crustaceans and mol- lusc					
	Singapore	Tonne	—	—	—	—
	Thailand		—	—	—	—
	Indonesia		—	—	—	—
	Japan		3.48	24,587	—	—
	U.S.A.		0.14	400	—	—
	U.K.		0.10	564	—	—
	Hong Kong		—	—	—	—
	Taiwan		—	—	—	—
098 019 20	homogenised composite food preparations of fish, crustaceans and molluscs	Tonne				
	Singapore		1.00	3,980	1.35	15,570
	Thailand		—	—	—	—
	Indonesia		—	—	8.50	18,970
	Japan		0.51	1,920	—	—
	U.S.A.		—	—	—	—
	U.K.		—	—	—	—
	Hong Kong		—	—	—	—
	Taiwan		—	—	—	—
	China		—	—	—	—
098 081 00	turtles'eggs					
	Singapore		—	—	—	—
	Thailand		—	—	—	—
	Indonesia		—	—	—	—
	Japan		—	—	—	—
	U.S.A.		—	—	—	—
	U.K.		—	—	—	—
	Hong Kong		—	—	—	—
	Taiwan		—	—	—	—
	China		—	—	—	—
	Others		0.08	517	0.13	200
	Total		3.80	26,068	0.13	200
	Total		1.52	6,620	18.91	69,436
	Total		—	—	—	—

Commodity Code S.I.T.C.	Description of commodity and Country	Unit of Quantity	IMPORTS		EXPORTS	
			Quantity	Value \$	Quantity	Value \$
291 940 00	fish waste	Tonne				
	Singapore		—	—	0.31	104
	Thailand		0.30	150	136.00	13,600
	Indonesia		—	—	—	—
	Japan		—	—	—	—
	U.S.A		—	—	—	—
	U.K.		—	—	—	—
	Hong Kong		—	—	—	—
	Taiwan		1.00	300	—	—
	China		—	—	—	—
	Others		—	—	—	—
	Total		1.30	450	136.31	13,704
291 150 00	coral etc. unworked	Tonne				
	Singapore		—	—	9,218.92	269,423
	Thailand		0.88	616	—	—
	Indonesia		3.68	766	—	—
	Japan		0.32	1,444	2.08	28,162
	U.S.A		—	—	0.02	96
	U.K.		—	—	—	—
	Hong Kong		—	—	4.07	9,342
	Taiwan		—	—	—	—
	China		—	—	—	—
	Others		20.87	32,966	2.38	689
	Total		25.75	35,792	9,227.47	307,712
291 970 00	natural sponges	Tonne				
	Singapore		0.23	1,162	0.03	185
	Thailand		—	—	—	—
	Indonesia		—	—	—	—
	Japan		—	—	—	—
	U.S.A		0.11	598	—	—
	U.K.		—	—	—	—
	Hong Kong		—	—	—	—
	Taiwan		—	—	—	—
	China		—	—	—	—
	Others		0.09	1,832	—	—
	Total		0.43	3,592	0.03	185
291 991 00	other products of fish, crustaceans and molluscs	Tonne				
	Singapore		—	—	3.58	6,819
	Thailand		—	—	—	—
	Indonesia		1.51	3,982	—	—
	Japan		—	—	—	—
	U.S.A		0.17	6,624	—	—
	U.K.		—	—	2.40	3,454
	Hong Kong		—	—	—	—
	Taiwan		0.72	1,302	—	—
	China		—	—	—	—
	Others		0.01	25	—	—
	Total		2.41	11,933	5.98	10,273

Commodity Code S.I.T.C.	Description of commodity and Country	Unit of Quantity	IMPORTS		EXPORTS	
			Quantity	Value \$	Quantity	Value \$
098 049 10	belachan	Tonne				
	Singapore		6.57	2,858	795.52	441,453
	Thailand		24.71	5,140	4,922.42	993,842
	Indonesia		10.81	2,969	76.06	3,276
	Japan		—	—	—	—
	U.S.A		—	—	1.42	4,594
	U.K.		0.01	8	0.25	1,368
	Hong Kong		—	—	18.08	25,597
	Taiwan		—	—	—	—
	China		—	—	—	—
	Others		0.06	50	315.21	341,740
	Total		42.16	11,025	6,128.96	1,811,870
271 101 00	crude fish fertilizers	Tonne				
	Singapore		—	—	—	—
	Thailand		—	—	—	—
	Indonesia		—	—	—	—
	Japan		—	—	—	—
	U.S.A		—	—	—	—
	U.K.		—	—	—	—
	Hong Kong		—	—	—	—
	Taiwan		—	—	—	—
	China		—	—	—	—
	Others		—	—	—	—
	Total		—	—	—	—
592 234 00	fish glues	Tonne				
	Singapore		—	—	—	—
	Thailand		—	—	—	—
	Indonesia		—	—	—	—
	Japan		—	—	—	—
	U.S.A.		—	—	—	—
	U.K.		—	—	—	—
	Hong Kong		—	—	—	—
	Taiwan		—	—	—	—
	China		—	—	—	—
	Others		—	—	0.27	821
	Total		—	—	0.27	821
667 101 00	pearls (not set or strung)	Value				
	— cultured					
	Singapore		—	—	—	—
	Thailand		—	—	—	—
	Indonesia		—	—	—	—
	Japan		0.00	7,526	0.00	36,000
	U.S.A		—	—	—	—
	U.K.		—	—	—	—
	Hong Kong		—	—	—	—
	Taiwan		—	—	—	—
	China		—	—	—	—
	Others		0.00	26,775	—	—
	Total		0.00	34,301	0.00	36,000

Commodity Code S.I.T.C.	Description of commodity and Country	Unit of Quantity	IMPORTS		EXPORTS	
			Quantity	Value \$	Quantity	Value \$
667 109 00	pearls (not set or strung) —other	Value				
	Singapore		—	—	—	—
	Thailand		—	—	—	—
	Indonesia		—	—	—	—
	Japan		0.00	67,804	—	—
	U.S.A		—	—	—	—
	U.K.		—	—	—	—
	Hong Kong		0.00	1,636	—	—
	Taiwan		—	—	—	—
	China		—	—	—	—
	Others		0.00	120,757	0.00	15,500
	Total		0.00	190,197	0.00	15,500
292 981 00	sea-weed products	Tonne				
	Singapore		0.03	208	0.12	623
	Thailand		0.35	700	—	—
	Indonesia		1.54	2,288	—	—
	Japan		6.79	15,389	—	—
	U.S.A		0.29	1,142	—	—
	U.K.		—	—	—	—
	Hong Kong		1.13	1,134	—	—
	Taiwan		4.30	8,449	—	—
	China		16.82	56,479	—	—
	Others		16.47	35,094	0.17	648
	Total		47.72	120,883	0.29	1,271
292 922 00	sea-grass	Tonne				
	Singapore		—	—	—	—
	Thailand		—	—	—	—
	Indonesia		4.70	1,794	—	—
	Japan		—	—	—	—
	U.S.A		—	—	—	—
	U.K.		—	—	—	—
	Hong Kong		5.21	1,931	—	—
	Taiwan		69.40	40,517	—	—
	China		26.81	26,280	—	—
	Others		0.10	200	0.01	101
	Total		106.22	70,722	0.01	101
	Grand Total		149,963.85	109,768,625	124,111.98	200,154,857

- Note: 1) All import values are in \$ CIF & all export values are in \$ FOB
- 2) Import/Export statistics on fishery commodities include fish, crustaceans, molluscs and other aquatic plants and animals as recommended by ISSCF.

SEMENANJUNG MALAYSIA (PENINSULAR MALAYSIA)
SERI TAHUNAN IMPOT BARANGAN PERIKANAN MENGIKUT KUANTITI, NILAI DAN NEGERI ASAL
(Annual Series of Fishery Commodities Import by Quantity, Value and Country of Origin)

Jadual (Table)
4.2

Country	1974		1975		1976		1977		1978	
	Quantity	Value \$	Quantity	Value \$	Quantity	Value \$	Quantity	Value \$	Quantity	Value \$
Singapore	2,005	2,497,109	1,491	2,045,389	2,529	2,277,215	3,369	3,739,239	4,192	3,941,749
Thailand	45,956	22,940,756	63,785	34,319,628	86,610	45,911,929	93,049	49,909,081	116,269	62,485,640
Indonesia	3,089	2,786,002	2,312	2,665,312	1,849	3,095,925	1,706	3,027,565	11,068	3,776,533
Japan	8,209	14,172,165	11,106	19,516,595	14,838	19,959,538	12,823	26,133,920	12,715	27,741,959
U. S. A.	82	339,844	36	256,022	64	274,639	227	461,817	46	538,921
U. K.	95	450,562	32	210,789	71	346,770	355	294,600	87	585,282
Hong Kong	163	346,545	125	354,450	204	952,546	233	644,132	285	781,515
Taiwan	10,591	14,123,894	5,062	7,495,684	1,776	3,227,104	1,644	2,438,702	1,929	1,982,260
China	1,099	1,600,102	1,333	2,138,202	2,297	2,168,253	658	1,199,723	400	1,114,229
Others	5,079	8,372,587	9,589	9,598,584	5,647	9,291,425	4,572	7,388,809	2,973	6,820,537
Jumlah (Total)	76,368	67,629,566	94,871	78,600,655	115,885	87,505,344	118,636	95,237,588	149,964	109,768,625

SERI TAHUNAN EKSPOT BARANGAN PERIKANAN MENGIKUT KUANTITI, NILAI DAN NEGERI DESTINASI
(Annual Series of Fishery Commodities Export by Quantity, Value and Country of Destination)

Jadual (Table)
4.3

Country	1974		1975		1976		1977		1978	
	Quantity	Value \$	Quantity	Value \$	Quantity	Value \$	Quantity	Value \$	Quantity	Value \$
Singapore	57,278	38,453,706	55,380	40,177,704	49,080	36,097,298	71,343	45,575,404	56,966	37,968,224
Thailand	16,605	2,147,180	9,486	1,337,051	16,442	2,005,216	13,596	2,068,052	18,686	3,612,317
Indonesia	335	111,411	139	109,134	215	178,704	254	219,816	266	142,862
Japan	7,033	29,680,467	8,355	40,682,331	10,453	75,899,333	3,747	32,243,679	24,318	48,182,730
U. S. A.	8,170	17,785,486	3,937	6,709,354	7,128	15,364,733	2,184	8,256,392	1,691	7,194,942
U. K.	4,361	22,765,900	5,154	30,023,992	4,528	28,979,314	5,221	22,667,569	4,578	32,262,608
Hong Kong	796	1,306,734	506	1,000,730	2,603	1,501,248	339	754,644	455	1,126,632
Taiwan	235	348,350	201	284,082	48	53,707	14	15,352	115	552,437
China	-	-	-	-	-	-	-	-	-	-
Others	14,078	46,574,697	11,356	45,951,975	18,552	77,986,755	11,334	47,896,707	17,037	69,112,105
Jumlah (Total)	108,891	159,173,931	94,514	166,276,353	109,049	238,066,308	108,032	159,697,615	124,112	200,154,857

Kuantiti dalam Metrik Ton
(Unit of Quantity in Tonnes)

Perikanan Airtawar
SEMANANJUNG MALAYSIA

Freshwater Fisheries
Peninsular Malaysia

SEMENANJUNG MALAYSIA (PENINSULAR MALAYSIA)

BILANGAN KOLAM IKAN DAN PENTERNAK, 1978
(Number of Fish Ponds and Number of Farmers, 1978)

Jadual (Table) 5.1

Negeri (State)	Kolam-Kolam baru 1978 (New ponds 1978)		Kolam yg. diusaha hingga 31/12/78 (Fish ponds in operation, 31/12/78)		Bilangan penternak hingga 31/12/78 (Number of farmers as at 31.12.78)				Jumlah (Total)
	Bilangan (Number)	Ekar (Acreage)	Bilangan (Number)	Ekar (Acreage)	Malayu (Malays)	Cina (Chinese)	India (Indian)	Lain-lain (others)	
Perlis	13	7.97	41	18.11	24	3	—	8	35
Kedah	94	69.41	351	254.19	188	21	—	21	230
Pulau Pinang	9	13.90	130	41.08	22	29	1	21	73
Perak	243	88.82	4,128	8,087.20	1,472	1,292	59	46	2,869
Selangor	57	58.37	941	992.41	214	215	11	72	512
Negeri Sembilan	134	81.32	4,402	900.82	1,393	308	11	15	1,727
Melaka	70	37.01	417	150.13	189	63	3	5	260
Johor	79	33.24	1,409	554.16	373	309	1	16	699
Pahang	95	31.67	1,453	889.08	953	143	6	30	1,132
Trengganu	98	41.70	270	116.18	207	4	—	—	211
Kelantan	97	37.65	350	113.36	235	7	—	—	242
JUMLAH (Total)	989	501.06	13,892	12,116.79	5,270	2,394	92	234	7,990

SEMENANJUNG MALAYSIA (PENINSULAR MALAYSIA)
 PENJUALAN IKAN AIRTAWAR DI PASAR-PASAR UTAMA MENGIKUT NEGERI DAN JENIS IKAN 1978
 (SALES OF FRESHWATER FISH AT MAJOR MARKETS BY STATE AND TYPE OF FISH -- 1978)

Jadual (Table) 5.2

Jenis Ikan (Type of Fish)		Pertis	Kedah	Perak	Selangor	Negeri Sembilan	Melaka	Johor	Pahang	Trengganu	Kelantan	Jumlah Picul (Total Piculs)
Nama Tempatan (Local Name)	Nama Sains (Scientific Name)											
Baung	<i>Mystus nemurus</i>	—	—	153.20	7.67	—	—	—	20.50	—	—	181.37
Belidah	<i>Notopetrus Chiltala</i>	—	—	—	—	—	—	—	1.96	—	—	1.96
Juara	—	—	—	—	—	—	—	—	0.48	—	—	0.48
Haruan	<i>Chana Striatus</i>	3.80	—	1,351.00	8.45	61.59	27.50	—	23.60	—	0.98	1,476.92
Jelawat	<i>Leptobarbus hoeveni</i>	—	—	0.50	—	—	—	—	7.61	—	—	8.11
Kap Rumput	<i>Ctenopharyngodon idollus</i>	—	—	890.85	386.39	209.98	151.50	—	62.69	—	—	1,701.41
Kap Perak	<i>Hypophthalmichthys Molitrix</i>	—	—	109.00	—	—	13.50	—	—	—	—	122.50
Kelah	<i>Tor Tambroides</i>	—	—	—	0.20	—	—	—	11.47	—	0.45	12.12
Jenkua	—	—	—	92.00	3.65	19.36	2.00	—	10.81	—	—	127.82
Keli	<i>Clarias batrachus</i>	—	—	1,206.10	35.55	166.84	21.00	—	51.08	—	0.20	1,480.77
Ketulu	<i>Oxyeleotris marmoratus</i>	—	—	549.85	0.80	5.80	—	—	—	—	0.75	557.20
Kepala Besar	<i>Aristichthys nobilis</i>	—	—	1,161.80	310.65	807.56	168.00	—	14.54	—	—	2,462.55
Lampam Jawa	<i>Puntius gonionotus</i>	0.60	—	672.86	219.98	47.10	158.00	—	54.81	—	—	1,153.35
Lampam Sungai	<i>Puntius Schwarefeldii</i>	—	—	28.50	—	87.25	—	—	23.30	—	1.35	140.40
Lawang	<i>Pangasius micronemus</i>	—	—	4.00	—	—	—	—	14.37	—	—	18.37
Lee Koh	<i>Cyprinus Carpio</i>	—	—	467.60	79.55	49.55	96.00	—	25.93	—	—	718.63
Patin	<i>Pangasius Pangasius</i>	—	—	—	—	—	—	—	24.19	—	—	24.19
Putih/Seluang	<i>Puntius binotatus</i>	—	—	—	2.50	—	19.00	—	3.16	—	—	24.66
Sepat Siam	<i>Trichogaster pectonalis</i>	5.00	—	365.80	3.60	32.80	—	—	1.70	—	—	408.90
Temakang	<i>Helostoma temmincki</i>	—	—	25.00	—	—	—	—	0.60	—	—	25.60
Tenggalan	<i>Puntius Bulu</i>	—	—	0.30	—	—	—	—	41.10	—	0.55	41.95
Terubok	<i>Osteochilus hasselti</i>	—	—	60.80	—	12.18	3.00	—	—	—	—	75.98
Tilapia	<i>Tilapia Mossambica</i>	—	—	1,325.05	4.20	7.60	—	—	15.03	—	—	1,351.88
Kerai Kuning	<i>Puntius daruphani</i>	—	—	—	—	—	—	—	31.54	—	—	31.54
Kerai Putih	—	—	—	—	8.07	—	—	—	27.82	—	—	35.89
Udang Galah	<i>Macrobrachium rosenbergi</i>	—	—	370.20	61.50	—	—	—	—	—	1.65	433.35
Pelbagai	Miscellaneous	—	74.00	1,284.95	27.05	—	15.50	1,334.25	35.06	24.56	32.33	2,827.70
JUMLAH (Total)	Pikul (Piculs)	9.40	74.00	10,119.36	1,159.81	1,507.61	675.00	1,334.25	503.35	24.56	38.26	15,445.60
	M. Ton (M. Tonnes)	0.6	4.5	612.2	70.2	91.2	40.8	80.7	30.4	1.5	2.3	934.4

SEMENANJUNG MALAYSIA (PENINSULAR MALAYSIA)
PENJUALAN IKAN AIRTAWAR DIPASAR-PASAR UTAMA MENGIKUT BULAN DAN JENIS IKAN 1978
(Sales of Freshwater Fish at Major Markets by Month and Type of Fish, 1978)

Jadual (Table) 5.3

Jenis Ikan (Type of Fish)		Jan	Feb.	Mac.	Apr	Mei.	Jun.	Jul.	Ogos	Sept.	Oct.	Nov.	Dis.	Jumlah Pikul (Total Piculs)
Nama Tempatan (Local Name)	Nama Sains (Scientific Name)													
Baung	Mystus nemurus	9.17	8.27	4.50	4.92	12.74	14.98	12.63	7.00	10.87	46.45	24.12	25.72	181.37
Belidah	Notopetrus Chiltala	6.05	—	0.04	10.31	9.88	9.59	7.15	6.00	30.67	9.20	10.14	9.20	108.23
Juara	—	0.15	—	—	—	—	—	—	—	—	—	—	—	0.15
Haruan	Chana Striatus	78.10	98.67	130.70	162.70	113.30	112.09	102.26	89.00	123.21	152.19	163.09	151.61	1,476.92
Jelawat	Leptobarbus hoeveni	5.27	0.10	0.32	0.23	0.23	0.04	0.26	0.50	0.31	0.41	0.27	0.20	8.14
Kap Rumpot	Ctenopharyngodon idollus	95.30	139.75	145.30	130.75	170.20	137.34	147.40	123.00	151.88	156.83	255.86	63.70	1,717.31
Kap Perak	Hypohthalmic thys molitrix	3.00	3.00	3.00	—	3.00	—	—	—	—	—	—	109.00	121.00
Kelah	Tor tambroides	4.31	1.50	1.19	1.08	1.38	1.37	0.26	—	0.53	0.66	0.17	—	12.45
Jenkua	—	6.29	—	—	—	—	—	—	—	121.53	—	—	—	127.82
Keli	Clarias batrachus	84.70	114.60	139.07	171.70	127.03	131.50	139.69	76.90	—	147.17	182.78	167.13	1,482.27
Jenahak	Lutianidae	5.17	—	—	—	—	—	—	—	—	—	—	—	5.17
Ketutu	Oxyelectris marmoratus	18.00	21.80	50.00	59.20	32.50	27.00	41.60	41.50	45.72	119.85	49.50	50.53	557.20
Kepala Besar	Aristichthys nobilis	154.50	183.41	239.15	190.05	206.90	194.40	198.30	129.00	220.51	166.80	335.44	244.25	2,462.71
Lampam Jawa	Puntius gonionotus	69.20	91.70	123.40	92.80	93.30	71.86	90.00	103.75	110.32	30.70	144.20	131.99	1,153.22
Lampam Sungai	Puntius Schwarefeldii	8.70	6.70	4.07	9.65	8.83	5.18	5.02	1.08	2.96	2.63	2.37	4.01	61.20
Lawang	Pangasius micronemus	4.00	5.03	3.92	1.17	2.15	0.69	0.45	—	0.37	0.23	0.15	0.21	18.37
Lee Koh	Cyprinus carpio	43.40	59.70	60.25	55.00	55.30	49.55	67.40	70.30	61.95	8.80	93.20	96.90	721.75
Patin	Pangasius pengasius	5.70	3.20	5.32	3.16	3.13	2.33	1.36	—	1.13	0.87	0.66	0.69	27.55
Putih/Seluang	Puntius binotatus	2.50	6.00	5.80	0.50	5.70	—	—	—	—	—	—	—	20.50
Sepat Siam	Trichogaster pectoralis	23.00	9.00	26.50	20.70	40.90	39.50	44.70	26.00	28.75	38.00	70.60	41.25	408.90
Temakang	Helostoma temmincki	5.00	3.00	—	—	—	—	—	—	—	—	0.62	—	8.62
Tenggalan	Puntius bulu	4.07	2.00	1.41	0.92	0.97	1.32	0.97	—	0.96	1.19	—	0.30	14.11
Terubol	Osteochilus hasselti	5.20	2.00	4.80	1.80	8.88	1.60	7.40	7.00	7.20	8.00	11.28	12.00	77.16
Tilapia	Tilapia mossambica	45.80	72.50	148.00	151.55	89.00	103.00	100.50	119.50	123.50	131.40	129.00	135.30	1,349.05
Kerai kuning	Puntius daruphani	9.35	—	—	—	—	1.80	—	—	1.69	—	—	0.61	13.45
Kerai Putih	—	8.70	—	—	—	—	—	—	—	8.07	1.00	0.67	0.27	18.71
Udang Galah	Macrobrachium rosenbergi	21.00	41.00	66.60	60.20	34.00	0.40	18.00	15.80	29.50	22.75	0.23	35.75	345.23
Pelbagai	Miscellaneous	33.00	53.13	116.82	54.08	269.96	527.25	66.06	13.08	1,575.15	75.52	111.59	51.40	2,947.04
Jumlah (Total)	Pikul (Piculs)	758.63	926.06	1,280.16	1,182.47	1,289.28	1,432.79	1,051.41	829.41	2,656.78	1,120.65	1,585.94	1,332.02	15,445.60
	M. Ton (M. Tonnes)	45.9	56.0	77.5	71.5	78.0	86.7	63.6	50.2	160.7	67.8	95.9	80.6	934.4

SEMENANJUNG MALAYSIA (PENINSULAR MALAYSIA)
 PENGELUARAN BENIH IKAN OLEH PUSAT-PUSAT PENGELUARAN 1978
 (FISH FRY PRODUCTION BY STATION, 1978)

Jadual (Table) 5.4

PUNCA (SOURCES)	JENIS BENIH IKAN (SPECIES OF FISH FRY)												Jumlah
	Lampam Jawa	Lee Koh	Sepat Siam	Tilapia	Udang Galah	Kap Cermin Hybrid	Kap Cermin	Temakang	Kap Jepun (Japanese Carp)	Kalui	Kap Rumput (Grass Carp)	Kap Kepala Besar (Big Head Carp)	
Pusat Pembaikbiak Ikan (Fish Breeding Station) Jitra, Kedah	275,047	158,939	7,633	1,735	50	—	—	—	—	—	—	—	443,404
Pusat Pembaikbiak Ikan (Fish Breeding Station) Enggor, Perak	77,807	33,085	461	—	—	—	—	—	—	—	—	—	111,353
Pusat Pembaikbiak Ikan (Fish Breeding Station), Tapah, Perak.	160,675	11,220	—	40	—	—	—	10,080	—	1,030	—	—	183,045
Pusat Pembaikbiak Ikan (Fish Breeding Station), Bukit Tinggi	1,242,359	220,738	42	700	4	—	—	34	35	—	—	—	1,463,912
Pusat Pembaikbiak Ikan (Fish Breeding Station) Machang, Kelantan	81,895	42,435	17,250	—	—	—	—	—	—	—	1,540	1,455	144,575
Pusat Percubaan Menternak Ikan (Fish Culture Experimental Station) Cameron Highland.	—	21,580	—	—	—	6,900	14,570	—	—	—	—	—	43,050
Institusi Penyelidikan Perikanan (Fisheries Research Institute) Glugor, Pulau Pinang	—	—	—	—	353,000	—	—	—	—	—	—	—	353,000
Rancangan Kemajuan Perikanan Darat (Inland Fisheries Extension Scheme)	—	—	—	—	—	—	—	—	—	—	42,630	24,583	67,213
Institusi Penyelidikan Pembangunan Pertanian Malaysia (MARDI)	3,600	—	—	—	—	—	—	—	—	—	1,400	9,650	14,650
JUMLAH (Total)	1,841,383	487,997	25,386	2,475	353,054	6,900	14,570	10,114	35	1,030	45,570	35,688	2,824,202

* MARDI = Malayan Agricultural Research and Development Institute.

SEMENANJUNG MALAYSIA (PENINSULAR MALAYSIA)
PEMBAHAGIAN BENIH-BENIH IKAN AIRTAWAR 1978
(DISTRIBUTION OF FRESHWATER FISH FRY 1978)

Jadual (Table) 5.5

Negeri (State)	Kepada Penternak (To Farmers)											Jumlah (Total)
	Lampam Jawa	Lee Koh (Common Carp)	Sepat Siam	Kap Rumput (Grass Carp)	Kap Kepala Besar (Big Head Carp)	Kalui	Tilapia	Kap Cermin (Mirror Carp)	Udang Galah	Temakang	Kap Jepun (Japanese Carp)	
Perlis	5,460	7,670	1,670	330	50	—	30	—	—	—	—	15,210
Kedah	80,988	46,643	10,055	5,401	3,341	—	400	—	10,000	—	—	156,828
P.Pinang	11,480	7,965	—	4,875	3,495	—	75	—	—	—	—	27,890
Perak	111,324	43,887	455	13,486	2,772	30	—	13,030	—	80	—	185,064
Selangor	205,820	38,160	—	2,300	450	—	—	—	260,000	—	—	506,730
Negeri Sembilan	233,094	87,734	—	10,150	9,542	—	—	—	—	—	—	340,520
Melaka	47,230	15,245	—	1,800	6,815	—	—	—	—	—	—	71,090
Johore	90,060	21,910	—	—	1,700	—	400	—	—	—	20	114,090
Pahang	101,607	27,697	—	1,600	1,900	—	300	—	—	—	—	133,104
Trengganu	87,241	22,275	—	1,472	1,842	—	—	—	—	—	—	112,830
Kelantan	101,425	67,435	11,800	4,156	3,781	—	—	—	8,000	—	—	196,597
—												
Jumlah (Total)	1,075,729	386,621	23,980	45,570	35,688	30	1,205	13,030	278,000	80	20	1,859,953

Negeri (State)	Pelepasan kedalam Perairan Umum (Stocking in Open and Impounded waters)							Kegunaan Pelbagai (Research and miscellaneous purposes)										Jumlah Besar (Grand Total)
	Lampam Jawa	Lee Koh (Common Carp)	Temakang	Kap Cermin Hybrid (Mirror Carp Hybrid)	Sepat Siam	Kalui	Jumlah (Total)	Lampam Jawa	Lee Koh (Common Carp)	Sepat Siam	Tilapia	Udang Galah	Kap Cermin Hybrid (Mirror Carp Hybrid)	Kap Cermin (Mirror Carp)	Temakang	Kap Jepun (Japanese Carp)	Jumlah (Total)	
Perlis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15,210
Kedah	30,000	5,000	-	-	-	-	35,000	30	30	-	30	35,000	1,000	-	-	-	36,090	227,918
Pulau Pinang	17,100	-	-	-	-	-	17,100	2,500	3,650	100	1,200	50	-	-	-	-	7,500	52,490
Perak	146,900	-	10,000	-	-	1,000	157,900	158	8,988	6	40	-	150	40	-	-	9,382	352,346
Selangor	67,000	1,000	-	-	-	-	68,000	12,080	10,515	38	-	-	-	-	30	15	22,678	597,408
N.Sembilan	107,200	100	-	-	-	-	107,300	204	4	4	-	4	-	-	4	-	220	448,040
Melaka	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	71,090
Johor	38,000	-	-	-	-	-	38,000	10,000	5,000	-	-	35,000	-	-	-	-	50,000	202,090
Pahang	185,150	12,500	-	5,750	-	-	203,400	8	8	8	-	10	-	1,500	-	-	1,534	338,038
Trengganu	61,265	100	-	-	-	-	61,365	-	-	-	-	2,000	-	-	-	-	2,000	176,195
Kelantan	470	-	-	-	1,250	-	1,720	87,589	54,481	-	-	2,000	-	-	-	-	144,070	342,387
Jumlah (Total)	653,085	18,700	10,000	5,750	1,250	1,000	689,785	112,569	82,676	156	1,270	74,064	1,150	1,540	34	15	* 273,474	* 2,823,212

*Tidak termasuk 990 Udang Galah diberikan kepada
Ketua Pengarah Perikanan, Malaysia.
(Exclude 990 Udang Galah given to General
Diretor of Fisheries, Malaysia)

SEMENANJUNG MALAYSIA (PENINSULAR MALAYSIA)
HARGA BORONG IKAN AIRTAWAR DIPASAR-PASAR UTAMA MENGIKUT BULAN 1978
 (Wholesale Prices of Freshwater Fishes at Major Markets by Month 1978)
 (\$ / Kati)

Jadual (Table) 5.6

Jenis Ikan (Type of Fish)		Jan.	Feb.	Mac.	Apr.	Mei	Jun.	Jul.	Ogos	Sept.	Okt.	Nov.	Dis.	Purata (Average)
Nama Tempatan (Local Name)	Nama Sains (Scientific Name)													
Baung	Mystus nemurus	1.20	1.02	1.50	1.00	1.35	1.35	—	1.51	1.60	1.40	1.43	1.37	1.34
Belidah	Notopetrus chitala	0.83	—	—	0.70	0.85	0.85	—	0.60	0.60	0.60	0.70	0.50	0.69
Juara	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Haruan	Chana Striatus	1.38	1.16	1.35	1.20	1.37	1.26	1.52	1.46	1.44	1.43	1.49	1.40	1.37
Jelawat	Leptobarbus hoeveni	—	—	—	—	—	—	—	12.00	—	—	—	—	12.00
Kap Rumput	Ctenopharyngodon idollus	1.40	1.56	1.48	1.24	1.23	1.31	1.40	1.35	1.38	1.41	1.37	1.35	1.37
Kap Perak	Hypophthalmichthys molitrix	1.40	1.40	1.32	—	—	—	—	—	—	—	—	—	1.37
Kelah	Tor tambroides	—	—	—	—	1.40	—	—	—	—	—	—	—	1.40
Jenkua	—	—	—	—	—	—	—	—	—	1.28	—	—	—	1.28
Keli	Clarias batrachus	1.17	1.28	1.21	0.96	1.05	1.19	1.37	1.20	—	1.26	1.30	1.22	1.20
Jenahak	Lutianidae	—	—	—	—	—	—	—	—	—	—	—	—	—
Ketutu	Oxyeleotris marmoratus	8.25	8.22	8.43	8.00	8.00	8.25	8.50	8.31	8.00	8.13	8.19	8.18	8.21
Kepala Besar	Aristichthys nobilis	1.36	1.21	1.11	1.01	1.07	1.22	1.32	1.29	1.27	1.20	1.23	1.25	1.21
Lampam Jawa	Puntius gonionotus	1.21	1.31	1.36	1.23	1.21	1.24	1.42	1.38	1.35	1.42	1.38	1.30	1.32
Lampam Sungai	Puntius schwarefeldii	1.25	1.28	1.20	1.14	1.34	1.10	—	1.20	1.20	1.20	1.20	1.15	1.21
Lawang	Pangasius micronemus	—	—	—	—	1.60	1.33	—	—	—	—	—	—	1.47
Lee Koh	Cyprinus carpio	1.27	1.47	1.49	1.70	1.19	—	1.38	1.27	1.27	1.23	1.37	1.31	1.36
Patin	Pangasius pangasius	—	—	—	—	1.60	—	—	—	—	—	—	—	1.60
Putih/Seluang	Puntius binotatus	1.40	1.43	1.40	—	—	—	—	—	—	—	—	—	1.41
Sepat Siam	Trichogaster pectoralis	1.05	1.40	0.85	0.85	1.43	0.95	0.80	0.81	0.97	0.97	1.10	0.93	1.01
Temakang	Helostoma temmincki	—	—	—	—	—	—	—	—	—	—	—	—	—
Tenggalan	Puntius bulu	—	—	—	—	—	—	—	—	—	—	—	—	—
Terubol	Osteochilus hasselti	1.27	1.15	1.15	1.13	1.55	1.10	—	0.95	0.90	—	1.35	1.00	1.16
Tilapia	Tilapia mossambica	0.58	0.46	0.49	0.49	0.43	0.43	—	0.46	0.43	0.74	0.52	0.52	0.50
Kerai kuning	Puntius daruphani	—	—	—	—	—	—	—	—	—	—	—	—	—
Kerai puteh	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Udang galah	Macrobrachium rosenbergi	6.25	6.50	6.89	6.25	7.33	6.17	—	7.83	8.50	7.09	7.75	7.75	7.12
Pelbagai	Miscellaneous	0.99	0.72	0.99	0.99	—	—	—	—	0.40	1.20	1.10	0.90	0.91

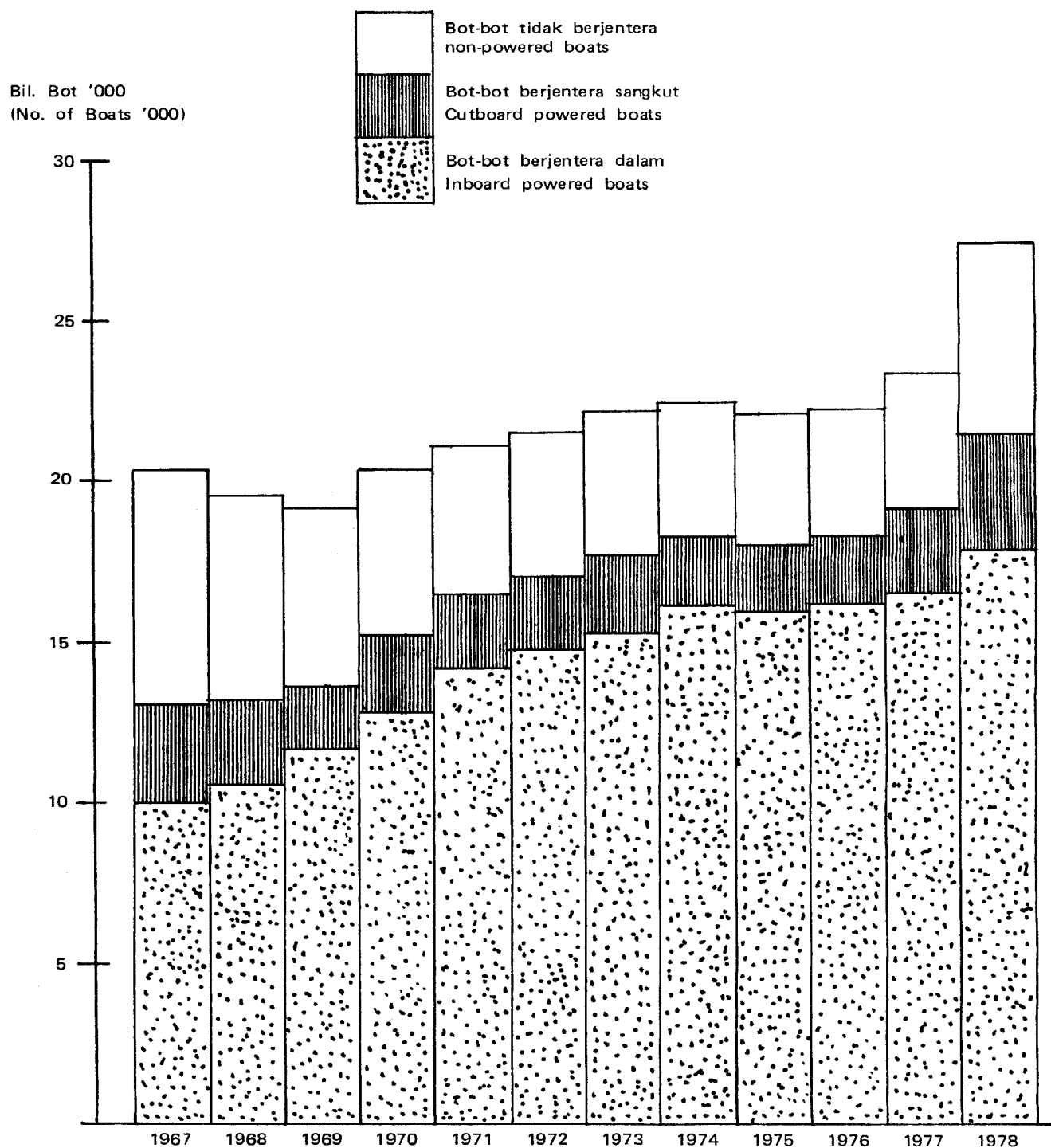
SEMENANJUNG MALAYSIA(PENINSULAR MALAYSIA)
HARGA RUNCIT IKAN AIRTAWAR DIPASAR-PASAR UTAMA MENGIKUT BULAN – 1978
(Retail Prices of Freshwater Fishes at Major Markets by Month – 1978)
(\$ / Kati)

Jadual Table
5.7

Jenis Ikan (Type of Fish)		Jan.	Feb.	Mac.	Apr.	Mei.	Jun.	Jul.	Ogos	Sept.	Okt.	Nov.	Dis.	Purata (Average)
Nama Tempatan (Local Name)	Nama Sains (Scientific Name)													
Baung	<i>Mystus nemurus</i>	1.60	2.00	2.00	2.19	2.48	2.64	2.30	2.30	1.74	1.98	1.82	2.86	2.16
Belidah	<i>Notopetrus chiltala</i>	1.72	—	1.60	1.39	1.64	1.84	1.87	2.64	1.89	1.63	2.20	1.82	1.84
Juara	—	3.20	—	3.40	—	—	—	—	—	—	—	—	—	3.30
Haruan	<i>Chana Striatus</i>	1.61	1.70	1.71	1.68	1.74	1.70	1.64	1.70	1.64	1.67	1.70	1.77	1.69
Jelawat	<i>Leptobarbus hoeveni</i>	25.00	22.00	20.00	24.00	25.06	28.00	27.00	23.25	27.50	27.00	28.50	26.00	25.28
Kap Rumpit	<i>Ctenopharyngodon idollus</i>	1.98	2.06	1.97	1.96	1.81	2.03	1.97	1.92	1.88	1.86	1.99	1.78	1.93
Kap Perak	<i>Hypophthalmichthys molitrix</i>	1.60	1.60	1.60	—	1.60	—	—	—	—	—	—	—	1.60
Kelah	<i>Tor tambroides</i>	6.00	6.00	6.00	6.00	6.00	4.00	6.00	6.50	3.90	6.00	6.00	6.50	5.74
Jenkua	—	4.00	—	—	—	—	—	—	—	—	—	—	—	4.00
Keli	<i>Clarias batrachus</i>	1.57	1.67	1.64	1.63	1.68	1.61	1.64	1.57	1.55	1.51	1.44	1.60	1.59
Jenahak	<i>Lutianidae</i>	3.80	—	—	—	—	—	—	—	—	—	—	—	3.80
Ketulu	<i>Oxyeleotris marmoratus</i>	9.77	9.90	10.45	9.75	10.09	10.25	10.13	10.06	9.69	9.82	9.81	9.62	9.95
Kepala Besar	<i>Aristichthys nobilis</i>	1.54	1.73	1.67	1.62	1.61	1.78	1.62	1.61	1.66	1.63	1.85	1.65	1.66
Lampam Jawa	<i>Puntius gonionotus</i>	1.55	1.60	1.66	1.56	1.59	1.64	1.90	1.82	1.78	1.64	1.72	1.83	1.69
Lampam Sungai	<i>Puntius schwarefeldii</i>	1.76	2.08	1.68	1.58	1.92	1.93	1.90	1.78	1.74	1.93	1.68	1.80	1.82
Lawang	<i>Pangasius micronemus</i>	—	3.95	4.50	4.50	4.50	3.50	3.90	3.20	4.00	4.00	4.00	4.50	4.05
Lee Koh	<i>Cyprinus carpio</i>	1.60	1.77	1.62	1.70	1.65	1.66	1.61	1.60	1.65	1.69	1.79	1.64	1.67
Patin	<i>Pangasius pangasius</i>	3.77	5.15	5.50	6.00	6.40	4.45	5.20	5.61	6.37	6.10	5.53	6.33	5.53
Putih/Seluang	<i>Puntius binotatus</i>	1.50	3.03	1.50	1.40	1.40	—	—	—	—	—	—	—	1.77
Sepat Siam	<i>Trichogaster pectoralis</i>	1.30	1.35	1.20	1.18	1.24	1.29	1.19	1.19	1.18	1.30	1.29	1.16	1.24
Temakang	<i>Helostoma temmincki</i>	—	—	—	—	—	—	—	—	—	—	—	—	—
Tenggalan	<i>Puntius bulu</i>	4.70	6.00	4.05	6.00	6.00	4.65	5.75	6.00	4.83	4.60	4.56	3.25	5.03
Terubol	<i>Osteochilus hasselti</i>	1.47	1.20	1.45	1.58	0.93	1.20	0.98	1.34	1.22	1.25	1.00	1.10	1.23
Tilapia	<i>Tilapia mossambica</i>	0.70	0.75	0.97	0.75	0.70	1.15	1.00	1.13	0.96	1.00	0.77	0.97	0.90
Kerai Kuning	<i>Puntius daruphani</i>	4.80	4.50	—	—	—	—	3.30	—	4.33	—	3.90	3.60	4.07
Kerai puteh	—	—	6.00	—	—	—	—	—	—	1.20	3.80	4.51	5.25	4.15
Udang Galah	<i>Macrobrachium rosenbergi</i>	9.00	8.66	9.17	7.49	9.92	7.92	8.75	5.99	11.00	8.66	9.61	8.08	8.69
Pelbagai	Miscellaneous	1.18	2.03	1.86	1.77	3.45	1.37	—	3.00	—	1.55	1.79	2.21	2.02

**BILANGAN BOT-BOT BERJENTERA DALAM, BERJENTERA SANGKUT
DAN TIDAK BERJENTERA YANG DILESENKAN BAGI JANGKA
MASA 1967 - 1978**

(Number of Inboard Powered, Outboard Powered and Non-Powered
Fishing Boats Licensed in the Period 1967 - 1978)



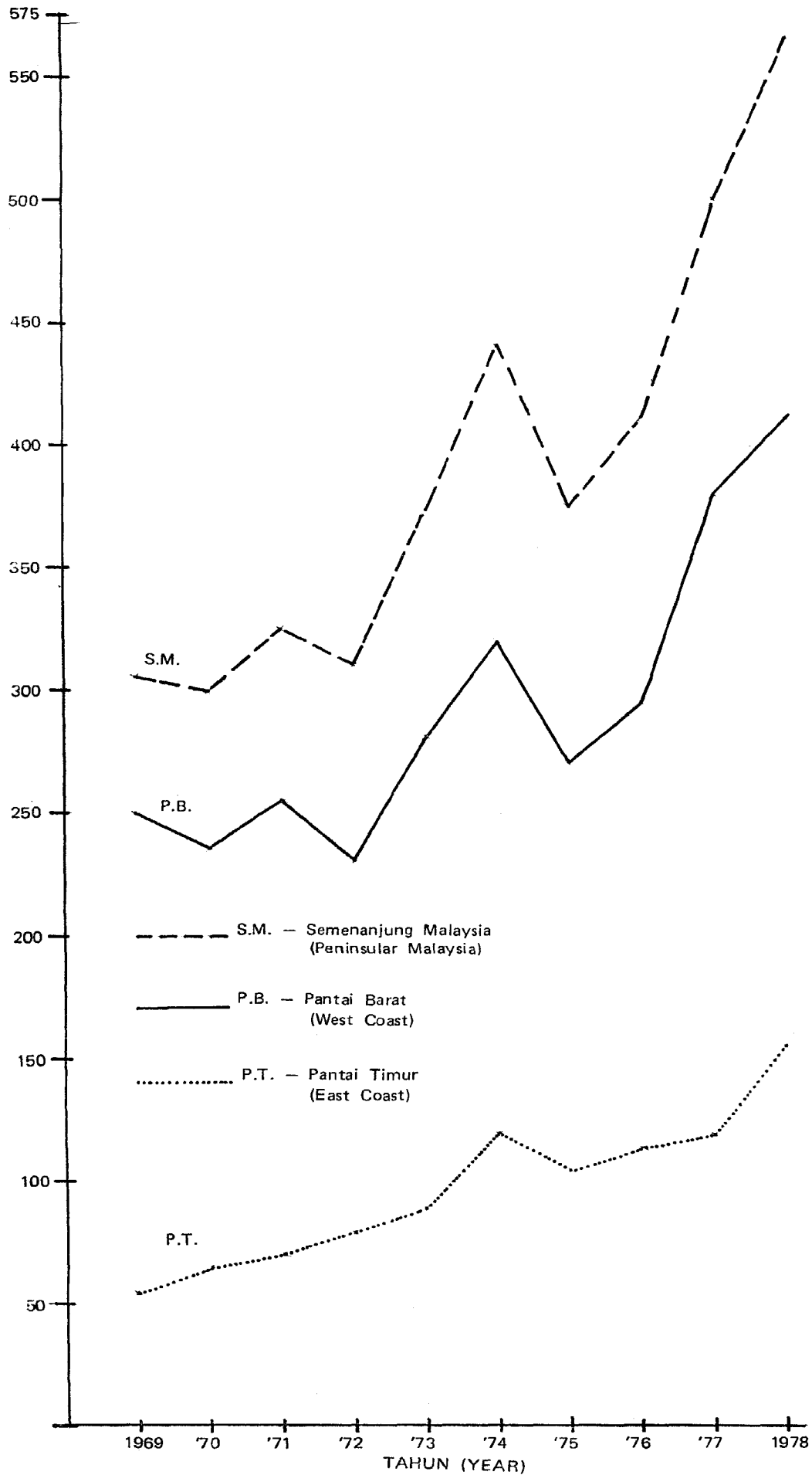
SEMENANJUNG MALAYSIA (PENINSULAR MALAYSIA)

ALIRAN PENDARATAN IKAN LAUT 1969 - 1978

(Trend of Marine Fish Landings, 1969 - 1978)

Peta (Chart)
B

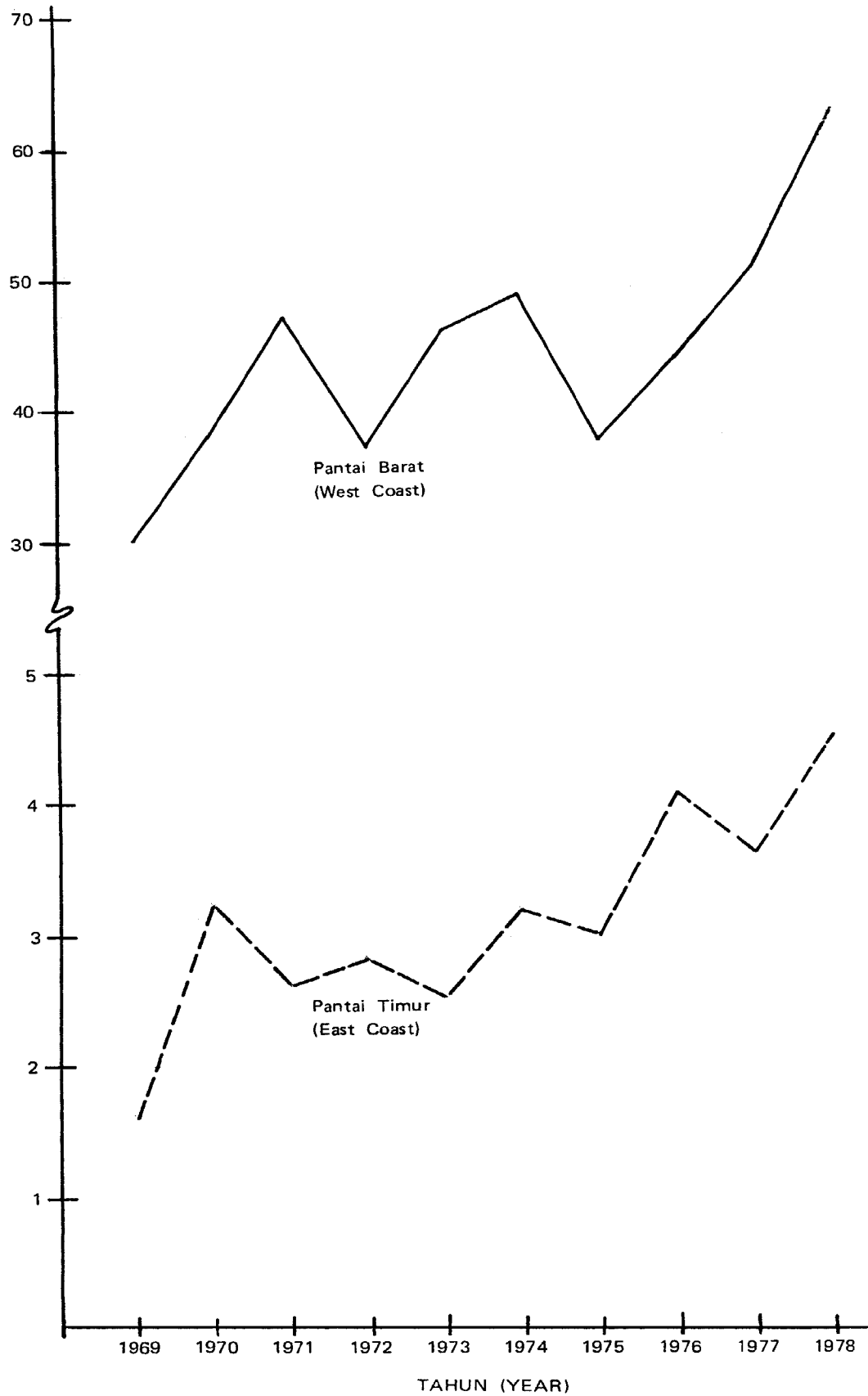
(.000 M. Tonnes)



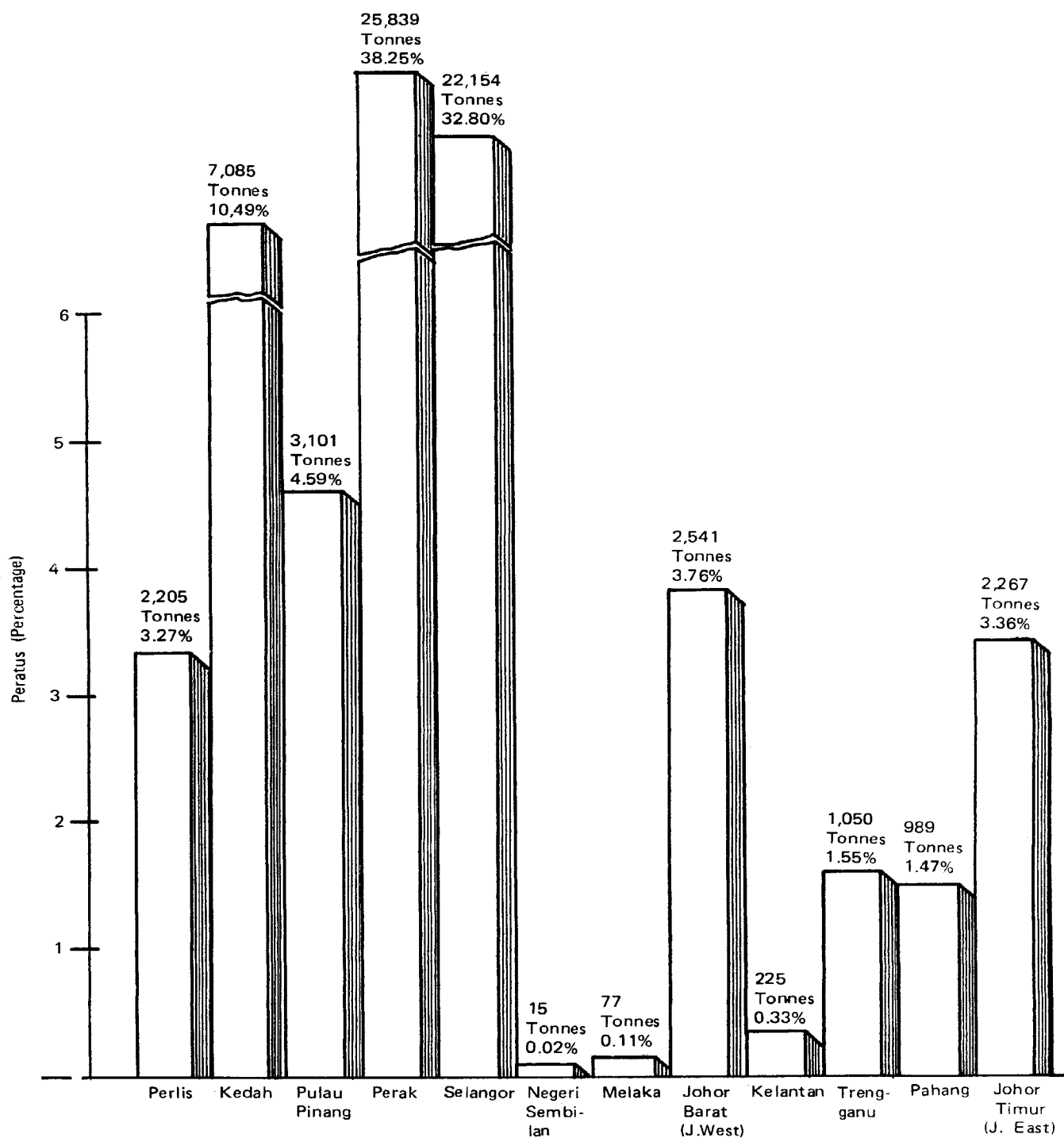
SEMENANJUNG MALAYSIA (PENINSULAR MALAYSIA)
 ALIRAN PENDARATAN UDANG, 1969 - 1978
 (Trend of Prawn Landings, 1969 - 1968)

Peta (Chart) C

('000 M. Tonnes)



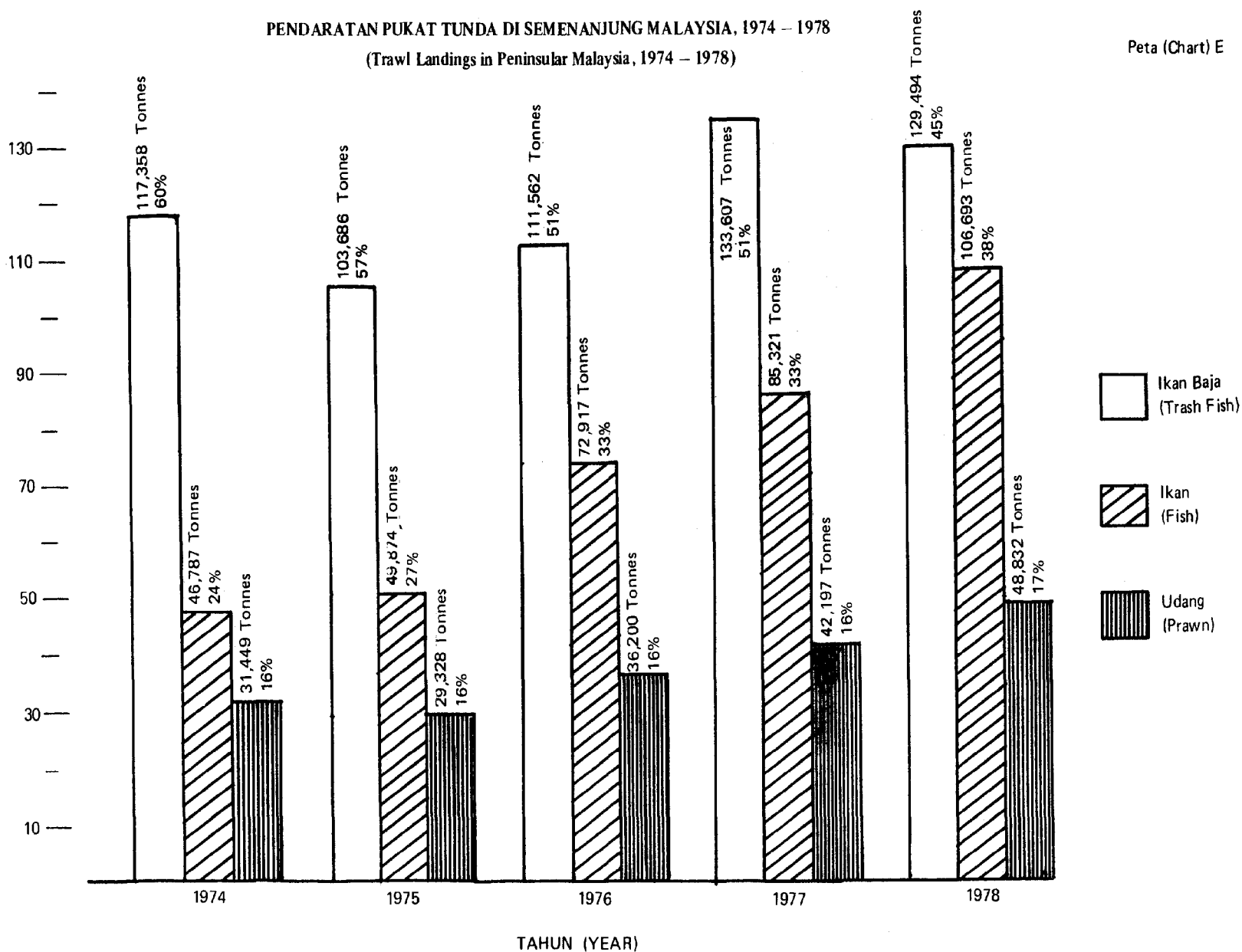
PENDARATAN UDANG, 1978
(Prawn Landings in 1978)



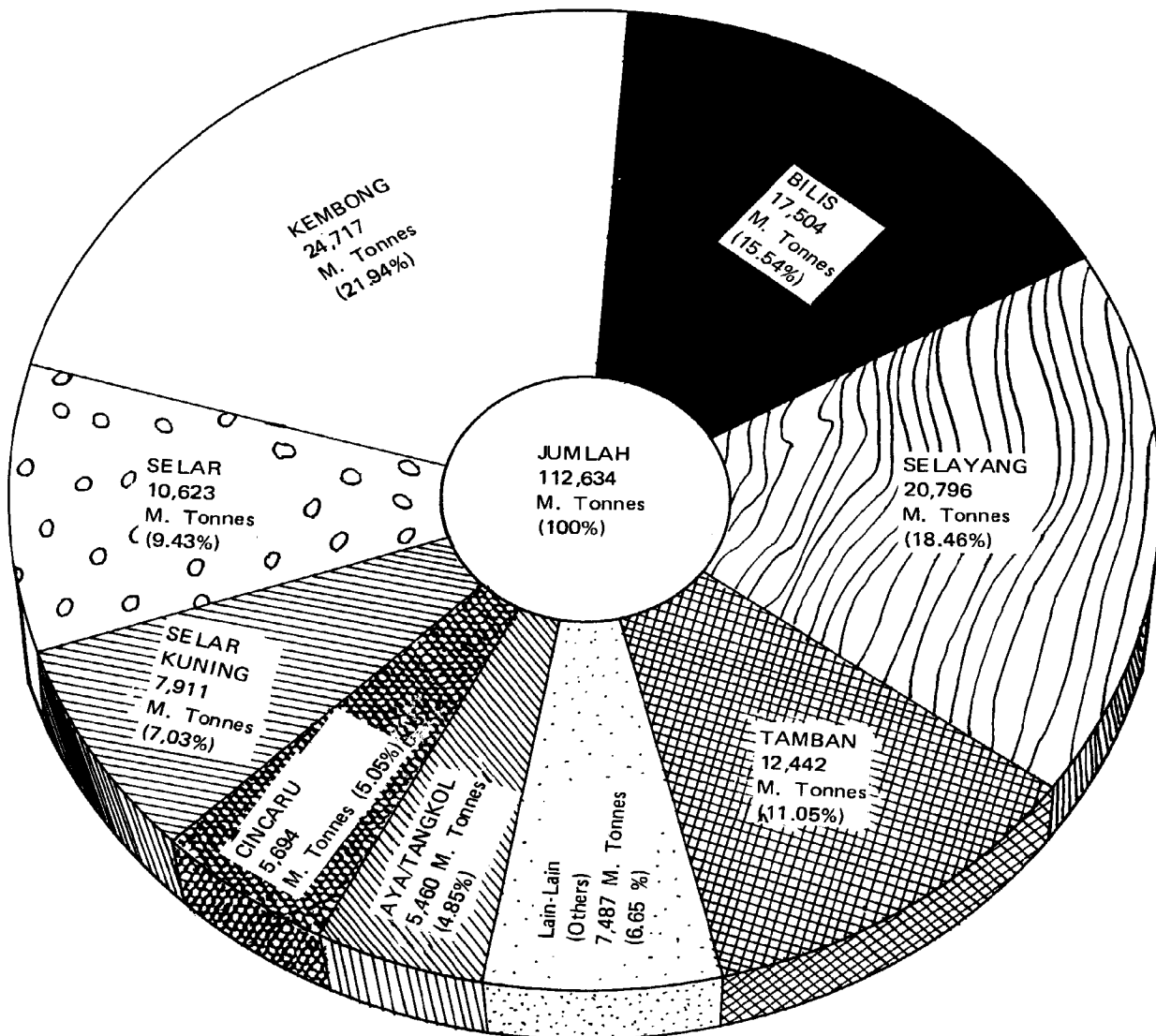
PENDARATAN PUKAT TUNDA DI SEMENANJUNG MALAYSIA, 1974 – 1978

(Trawl Landings in Peninsular Malaysia, 1974 – 1978)

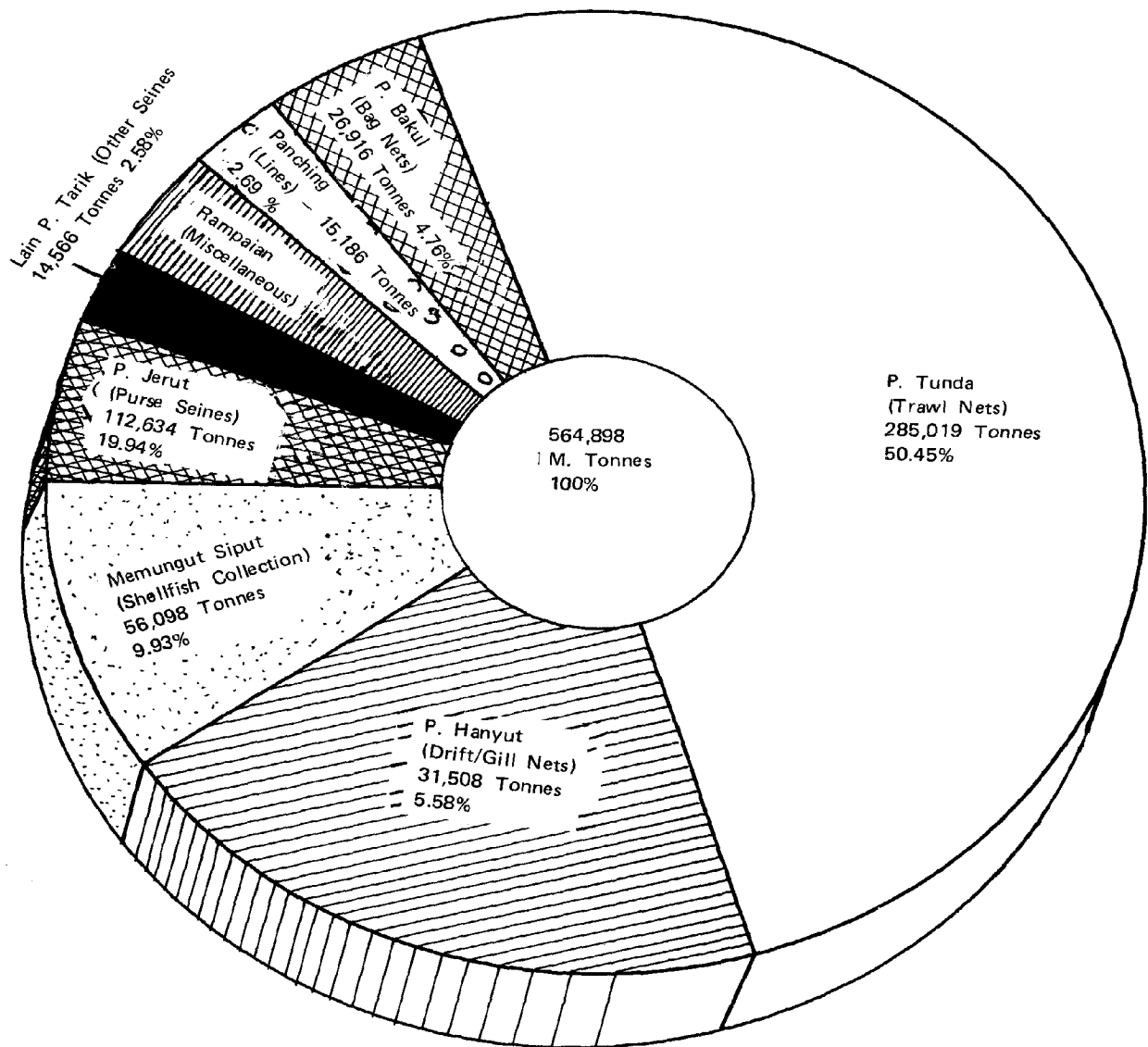
Peta (Chart) E



SEMENANJUNG MALAYSIA (PENINSULAR MALAYSIA)
 PENDARATAN PUKAT JERUT MENGIKUT JENIS IKAN – 1978
 (Purse Seine Landings by Type of Fish – 1978)



SEMENANJUNG MALAYSIA (PENINSULAR MALAYSIA)
TANGKAPAN IKAN LAUT MENGIKUT KUMPULAN PERKAKAS – 1978
(Landings of Marine Fish by Gear Group – 1978)



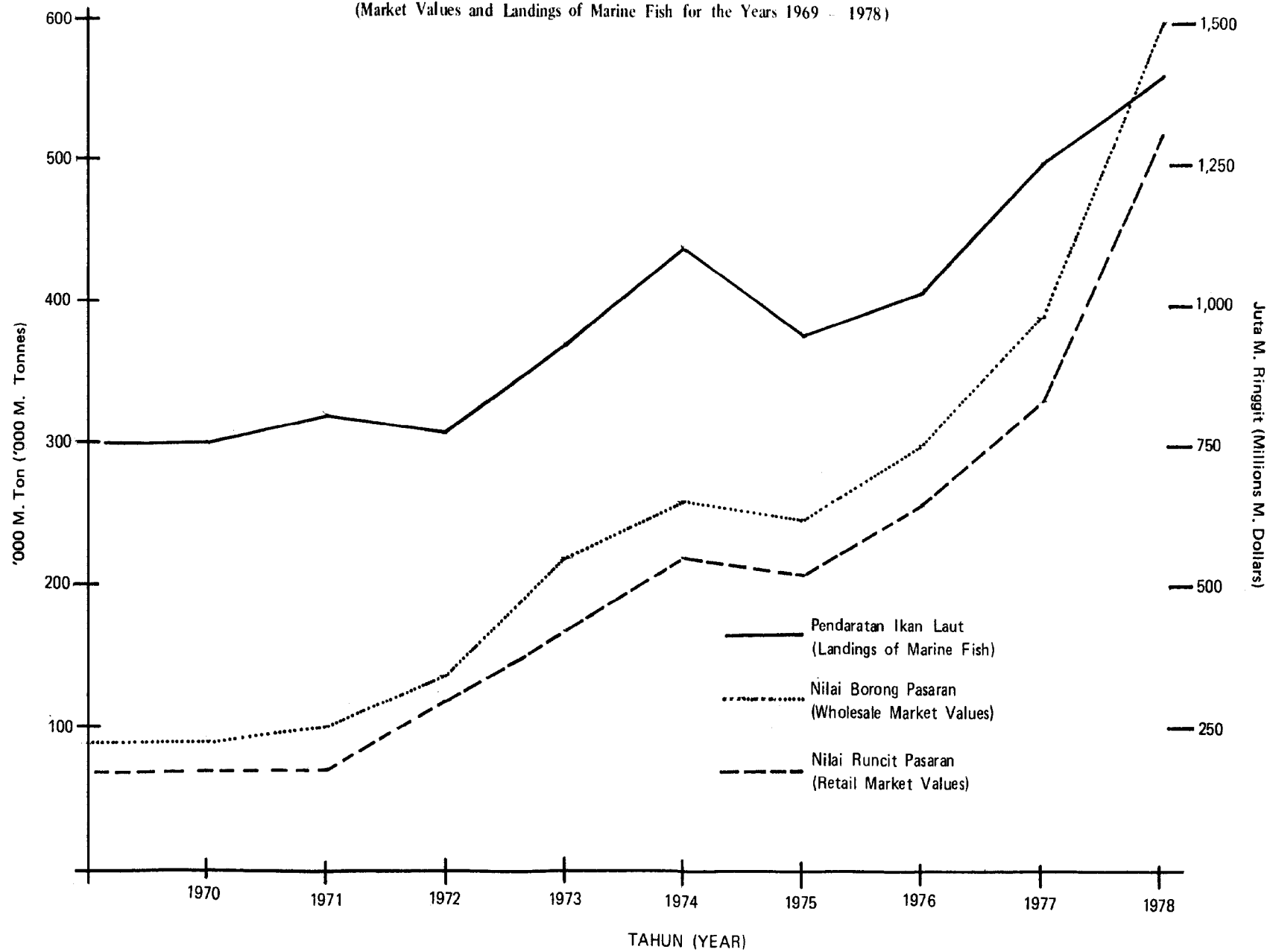
* Rampaian Termasuk P. Tangguk, Belat-Belat, Bubu, P. Rentang, P. Surung dll.

Miscellaneous Including Lift Nets, Stationary and Portable Traps, Barrier Nets, Push Nets and Others)
22,971 Tonnes 4.07%

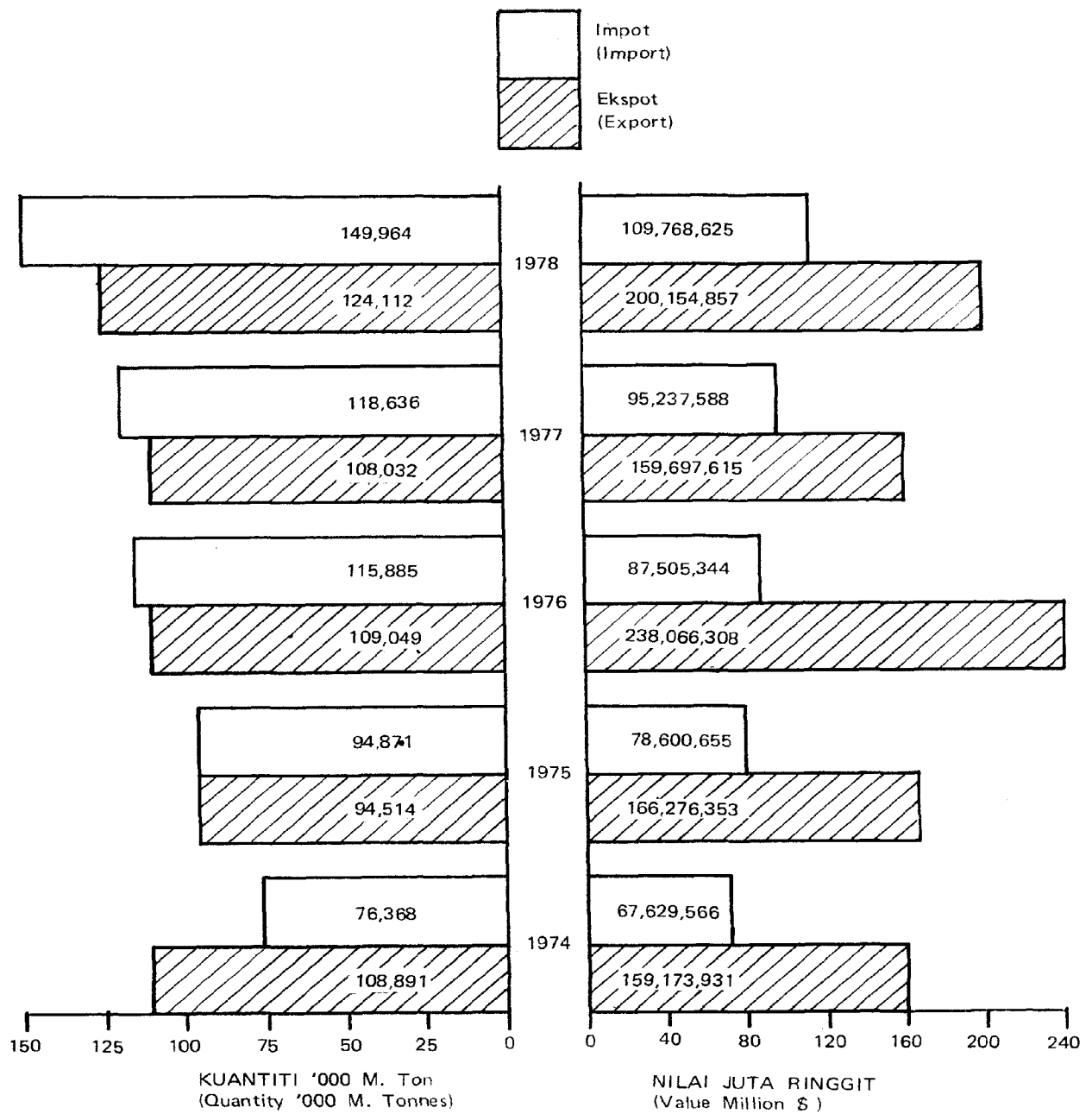
NILAI PASARAN DAN PENDARATAN IKAN LAUT BAGI TAHUN 1969 - 1978

(Market Values and Landings of Marine Fish for the Years 1969 - 1978)

Peta (Chart) H

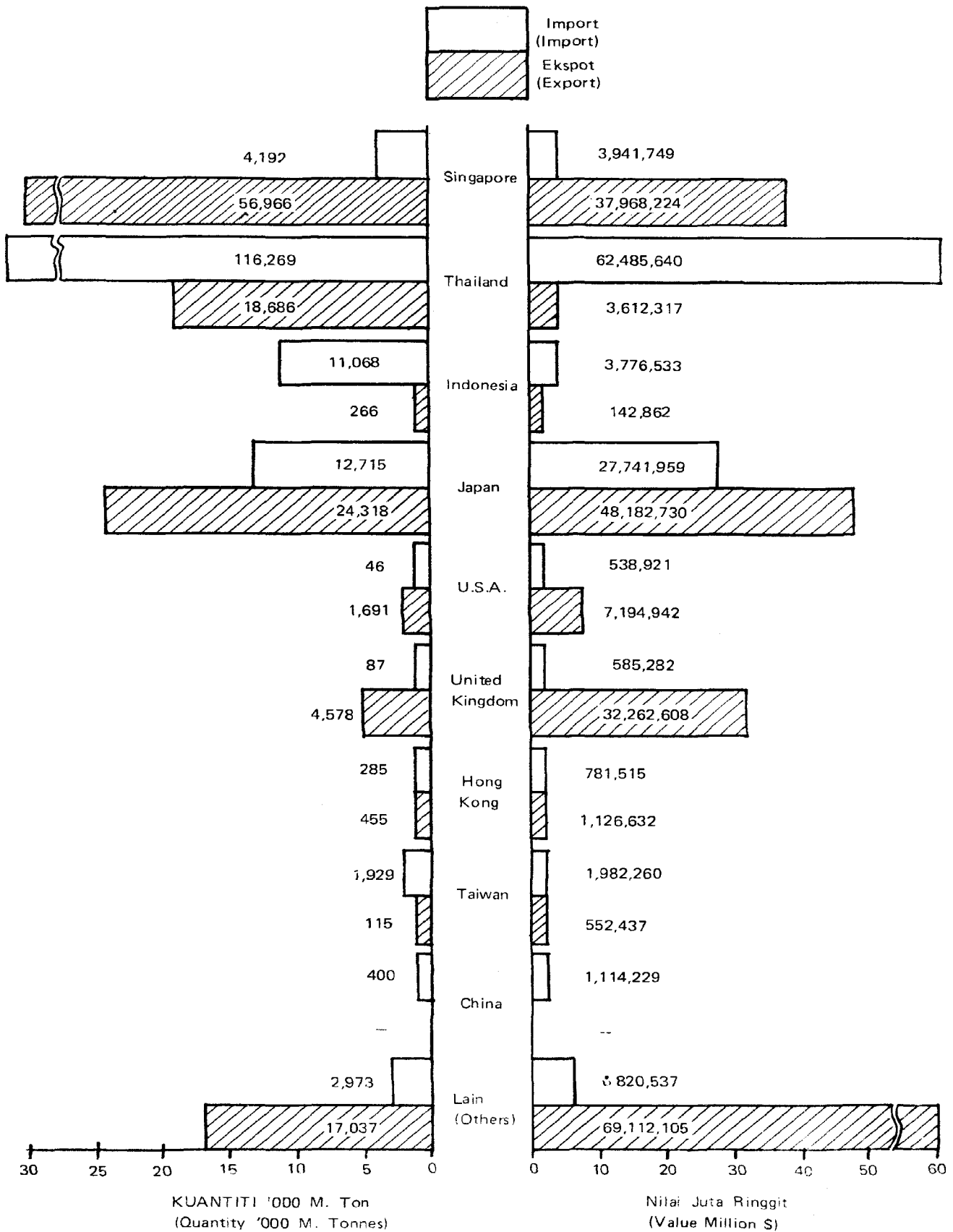


SEMENANJUNG MALAYSIA (PENINSULAR MALAYSIA)
 SERI TAHUNAN IMPOT DAN EKSPOT BARANGAN PERIKANAN
 MENGIKUT KUANTITI DAN NILAI
 (Annual Series of Fishery Commodities Import and Export
 by Quantity and Value)

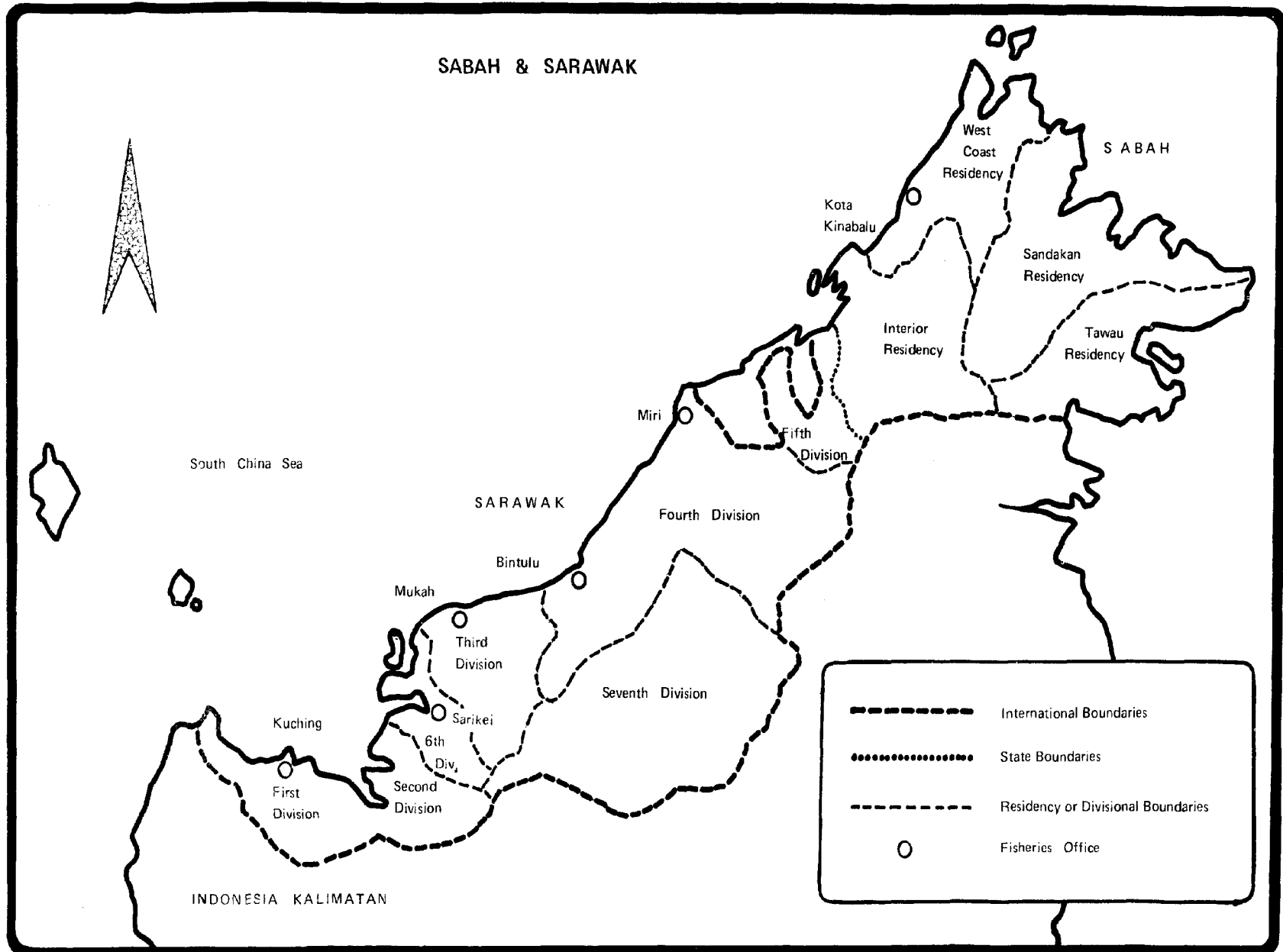


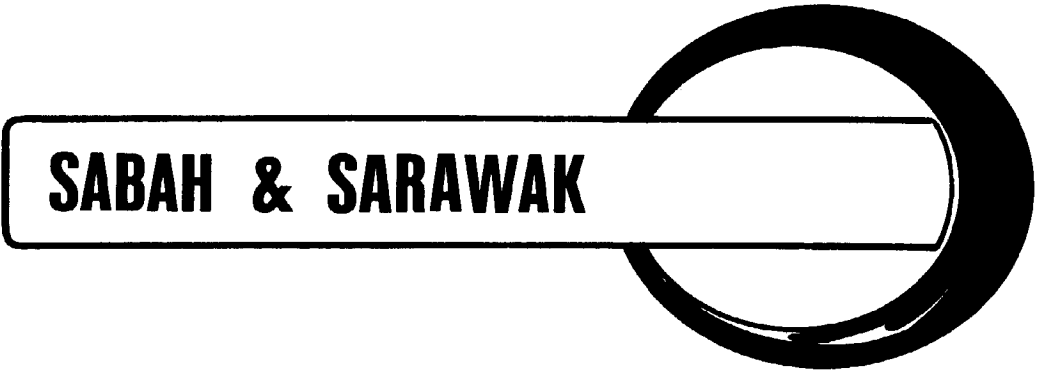
SEMENANJUNG MALAYSIA (PENINSULAR MALAYSIA)
IMPOT DAN EKSPOT BARANGAN PERIKANAN MENGIKUT
KUANTITI, NILAI DAN NEGERI ASAL/DESTINASI, 1978
 (Import and Export of Fishery Commodities by Quantity,
 Value and Country of Origin/Destination, 1978)

Peta (Chart) J



SABAH & SARAWAK





SABAH & SARAWAK

PENGELUARAN IKAN MENGIKUT JENIS KUMPULAN IKAN, SABAH

(Production of Fish by Group of Species, Sabah)

1969-1978

Jadual (Table) 6.1

Jenis Kumpulan Ikan (Group of Species)	Kuantiti (Quantities) ('000 Metric Tonnes)									
	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978
Freshwater fishes	1.016	1.016	1.016	1.016	1.016	1.016	1.016	1.000	1.300	1.500
Shads, mild fishes, etc.	1.727	1.727	1.727	1.727	1.829	1.829	1.829	1.500	0.300	0.400
Flounders, soles, etc.	0.813	0.813	0.813	0.915	1.016	1.016	1.016	1.000	0.100	0.500
Redfishes, basses, congers, etc.	3.048	3.251	3.251	3.454	4.572	4.572	4.877	4.500	6.500	7.300
Jacks, mullets, etc.	2.845	2.947	2.743	2.845	3.048	3.048	3.454	3.200	7.900	5.700
Herrings, sardines, anchovies, etc.	4.064	4.064	4.064	3.861	3.861	3.861	3.962	3.700	1.800	1.100
Tunas, bonitos, skipjacks	0.711	0.813	0.610	0.610	0.610	0.813	0.915	0.800	1.200	1.000
Mackerels, billfishes, etc.	1.524	1.727	1.727	1.727	2.032	2.133	2.235	2.000	7.400	11.000
Sharks, rays	1.626	1.829	1.829	1.829	1.829	1.930	1.829	1.700	0.700	0.500
Slipmouths (Leiognathus spp.)	1.219	1.422	1.626	1.524	2.845	3.048	3.353	3.000	0.400	0.600
Unsorted and unidentified fishes	2.032	2.032	2.032	2.235	2.845	3.048	2.946	2.600	1.500	0.700
Crustaceans	4.064	4.470	5.283	5.486	5.689	5.893	5.588	5.700	6.000	9.000
Molluscs	0.406	0.406	0.508	0.406	0.508	0.610	0.508	0.500	0.600	1.600
Beche-de-mer, sea-urchins, ect.	0.102	0.102	0.102	0.102	0.102	0.102	0.102	0.100	0.100	0.200
Pearls, shells, corals, etc.	0.406	0.406	0.406	0.406	0.406	0.406	0.406	0.400	0.400	0.500
JUMLAH(Total):	25.603	27.025	27.737	28.143	32.208	33.325	34.036	31.700	36.200	41.600

NILAI IKAN YANG DIDARATKAN, SABAH

(Value of Fish Landed in Sabah)

1969 - 1978

Jadual (Table) 6.2

Jenis Kumpulan Ikan (Groups of Species)	Nilai (Value) ('000 M \$)									
	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978
Freshwater fishes	1,200	1,200	1,400	1,800	2,000	2,000	2,600	2,800	3,700	4,270
Shads, Milkfishes, etc	580	600	600	680	900	900	1,500	1,380	280	380
Flounders, soles, etc.	720	740	760	900	1,200	1,200	1,600	1,760	180	900
Redfishes, basses, congers, etc.	2,700	3,000	3,200	4,080	5,100	6,040	7,900	8,150	11,780	14,000
Jacks, mullets, etc.	3,260	3,400	3,200	3,360	4,200	4,500	6,650	6,890	17,100	13,000
Herrings, sardines, anchovies, etc.	1,800	1,850	2,000	1,900	1,900	1,900	2,280	2,380	1,200	800
Tunas, bonitos, skipjacks	350	480	360	360	360	560	750	730	1,100	1,000
Mackerels, billfishes, etc.	1,650	2,000	2,200	2,200	3,200	3,360	4,220	4,220	15,700	23,700
Sharks, rays	450	860	720	1,080	1,080	1,140	1,300	1,350	560	400
Slipmouths (Leiognathus spp.)	500	600	640	600	1,120	1,350	1,730	1,730	240	400
Unsorted and unidentified fishes	1,800	2,000	2,000	1,540	280	480	700	690	400	200
Crustaceans	9,300	10,120	14,000	19,300	20,460	21,460	24,000	28,000	32,400	44,120
Molluscs	320	320	400	520	600	720	720	790	950	2,600
Beche-de-mer, sea-urchins, etc.	50	50	50	50	50	50	60	70	80	250
Pearls, shells, corals, etc.	500	500	500	400	500	500	600	660	700	1,100
JUMLAH (Total)	25,180	27,720	32,030	38,770	42,950	46,160	56,610	61,600	86,370	107,120

IMPOT DAN EKSPOT HASIL—HASIL PERIKANAN, SABAH — 1978
(Import and Export of Fisheries Products, Sabah — 1978)

(Kuantiti dalam M. Ton — Quantity in M. Tonnes)

Jadual (Table) 6.3

Description of Commodity	Commodity Code	Unit of Quantity	Imports		Exports	
			Quantity	Value (M.\$)	Quantity	Value (M.\$)
Beeche—de—Mer	011891					
	012902	Tonne	66.20	51,827	228.88	306,907
Fish Fry	034110	1000	214.66	15,161	—	—
Fish for aquaria	034120	100	1,288.80	33,800	0.79	124
Other fish marine, fresh or chilled	034139	Tonne	23.23	52,681	72.40	276,383
Fish freshwater, fresh chilled or frozen	034140	Tonne	12.16	956	1.33	2,158
Other fish marine, frozen	034219	Tonne	34.71	101,546	414.11	1,667,656
Fishmaw	035031	Tonne	2.22	58,895	0.02	45
Sharks fin salted or dried not further prepared	035032	Tonne	20.43	362,271	1.94	9,902
Fish marine, salted or dried	03503910	Tonne	103.24	205,654	15.92	38,605
Fish freshwater, salted or dried	0350392	Tonne	2.08	4,094	0.04	68
Salmon smoked	035041	Kg.	307.96	14,002	—	—
Fish smoked except salmon	035049	Kg.	1,182.30	5,352	1,183.12	2,883
Prawns fresh chilled	036011	Tonne	0.59	3,721	154.52	740,934
Prawns fresh frozen	036012	Tonne	9.43	12,734	2,573.92	31,084,393
Crabs, lobsters etc. fresh chilled or frozen	036021	Tonne	1.09	11,160	37.36	100,355
Prawns, crabs, lobster etc. salted in brine, dried or boiled	036028	Tonne	4.76	35,664	0.30	2,778
Oysters Fresh	036030	Tonne	23.41	204,029	0.06	765
Other Molluscs fresh • chilled or frozen	036041	Tonne	3.58	18,258	13.79	31,961
Other molluscs salted in brine	036048	Tonne	43.74	191,378	1.30	5,525
Fish boiled or steamed	037193	Tonne	0.64	1,095	—	—
Sardine canned	037111	Tonne	1,201.42	2,738,377	15.98	49,564
Herring and Brisling canned	037112	Tonne	16.61	39,834	0.32	400
Pilchards canned	037113	Tonne	0.22	1,248	—	—
Salmon canned	037,114	Tonne	10.50	8,516	—	—
Fish paste and similar preparations	037192	Tonne	1.19	6,440	—	—
Sharks' fins prepared	037191	Tonne	0.42	35,941	—	—
Tuna canned	037116	Tonne	1.83	11,773	—	—
Fish preparations not canned	037199	Tonne	90.17	138,877	0.01	35
Sauries canned	037115	Tonne	1.86	4,521	—	—
Horse mackerels canned	037117	Tonne	1,514.27	3,149,351	5.24	14,906
Fish, others canned	037119	Tonne	553.77	1,597,167	6.56	17,668
Abalone canned	037211	Tonne	16.80	175,341	1.26	20,080
Prawns and shrimps (Belacan) canned	037212	Tonne	225.33	519,053	5.97	18,495

(Kuantiti dalam M. Ton — Qty. in M Tonnes)

Sambungan
(Continued)

Description of Commodity	Commodity Code	Unit of Quantity	Imports		Exports	
			Quantity	Value (M.\$)	Quantity	Value (M\$)
Crabs canned	037213	Tonne	14.47	41,498	—	—
Cuttlefish canned	037214	Tonne	428.14	665,368	0.20	372
Preparations of crustacean and molluscs not canned	037220	Tonne	215.49	363,645	4.06	16,869
Preparations of crustacean and molluscs canned	037219	Tonne	189.45	532,206	3.34	4,486
Prawn Dust	081422	Tonne	5.08	3,417	—	—
Fish meal	081421	Tonne	184.60	173,015	—	—
Flour meal of fish, crustaceans and molluscs	081429	Tonne	43.89	31,423	—	—
Fish molluscs and crustaceans and broths	09805920	Kg.	178.09	1,298	—	—
Tortoise shell unworked	291160	Tonne	11.01	15,671	—	—
Coral etc. unworked	291150	Tonne	44.70	53,403	117.96	220,747
Fish waste	291940	Tonne	0.85	2,541	34.17	62,323
Natural sponges	291970	Kg.	1.00	65	—	—
Turtle eggs	098081	100	2,888.68	21,502	—	—
Products of fish, crustaceans and molluscs not for human consumption	291991	Tonne	9.53	1,301	1.11	3,305
Sea grass	292922	Tonne	9.18	3,028	—	—
Sea weed products	292981	Tonne	50.74	46,706	87.94	38,114
Pearls not set	667101	Value	—	77	—	—
Pearl fragments unworked	667109	Value	—	—	—	6,855
Total (Jumlah)			5,194.70 (Tonnes)	11,766,881 (M.\$)	3,801.19 (Tonnes)	34,745,661 (M.\$)

IMPOT DAN EKSPOT HASIL-HASIL PERIKANAN, SABAH
(Import and Export of Fisheries Products, Sabah)
1965 - 1978
(Kuantiti dlm. M. Ton - Qty. in M. Tonnes)

Jadual (Table) 6.4

Tahun (Year)	Impot (Import)		Ekspot (Export)	
	Quantity	Value (M\$)	Quantity	Value M\$)
1965	2,332	3,127,038	1,643	4,272,600
1966	2,443	3,410,991	2,004	5,990,187
1967	2,895	3,568,010	2,350	7,509,005
1968	2,470	3,390,673	2,204	8,482,298
1969	2,770	3,992,054	2,274	7,337,991
1970	3,148	4,494,787	2,443	8,703,229
1971	2,863	4,144,925	2,353	10,636,254
1972	3,657	5,172,929	2,669	12,438,520
1973	4,081	6,869,428	2,991	18,507,065
1974	4,279	9,091,577	2,689	13,712,863
1975	4,282	8,400,596	2,786	14,880,057
1976	5,618	11,205,702	4,028	29,595,961
1977	4,085	10,245,153	3,678	32,671,347
1978	5,195	11,766,881	3,801	34,745,661

Perangkaan ekspot 1977 telah dipindahkan.
 (Export Data for 1977 are revised figures)

BILANGAN BOT-BOT PERIKANAN DISABAH
(Number of Fishing Boats in Sabah)
1962 - 1978

Jadual (Table 6.5)

Tahun (Year)	Total No. of Fishing Boats	Number of Non-Powered Boats	Number Motorised	
			With Inboard Engines	With Out- board Engines
1962	5,963	3,981	482	* 1,500
1963	5,235	2,849	586	* 1,800
1964	* 4,288	1,388	* 700	* 2,200
1965	3,315	440	875	* 2,000
1966	2,925	72	1,053	* 1,800
1967	3,347	296	1,151	* 1,900
1968	* 4,089	771	1,218	* 2,100
1969	* 3,810	300	* 1,310	* 2,200
1970	* 4,020	300	* 1,400	* 2,320
1971	* 4,080	150	* 1,430	* 2,500
1972	* 4,165	200	* 1,470	* 2,495
1973	* 4,298	497	1,253	2,548
1974	* 4,298	500	1,253	2,545
1975	* 4,236	400	1,131	2,705
1976	* 4,050	300	1,250	2,500
1977	* 4,083	856	1,474	1,753
1978	4,619	784	1,758	2,077

Perangkaan 1970, 1974, 1976 dan 1977 telah dipindahkan.
 (Data for 1970, 1974, 1976 and 1977 are revised figures)

* Angka-angka Anggaran (Estimated Figures)

Pendaratan Ikan dan Udang Mengikut Bulan di Sarawak, 1978
(Monthly Landings of Fish and Prawn in Sarawak by Species, 1978)
(Kuantiti dlm. Pikul – Quantity in Piculs)

Jadual (Table)
6.6

Nama Tempatan (Local Name of Fishes)	Nama Sains (Scientific Names)	Jan. (Jan.)	Feb. (Feb.)	Mar. (Mar.)	Apr. (Apr.)	Mei (May)	Jun (June)	Julai (July)	Ogos (Aug.)	Sept. (Sept.)	Okt. (Oct.)	Nov. (Nov.)	Dis. (Dec.)	Jumlah (Total)	M. Ton (M. Tonnes)
Lidah	Soleidae	1,416	1,310	2,027	4	35	58	48	14	16	6	6	2	4,942	299
Sabelah	Cynoglossidae	1,216	1,409	1,820	1,363	16	8	30	4	8	4	17	13	5,908	358
Bayan	Callyodon Spp/ thalassoma spp.	—	—	162	199	171	170	30	—	10	—	12	8	762	46
Daun Baharu	Drepape punctata	55	26	403	120	64	—	3	2	2	—	34	6	715	43
Duri (Jahan/Goh)	Tachysuridae	1,659	3,546	3,900	5,649	8,244	8,975	6,925	7,667	7,238	4,250	6,470	6,447	70,970	4,294
Gelama/Tengkerong	Sciaenidae	2,452	2,556	3,423	6,517	8,423	6,170	10,247	6,095	3,485	2,991	2,759	2,952	58,070	3,513
Jenahak	Lutianidae	—	—	—	—	3	54	704	1,179	506	145	740	635	3,966	240
Kerapu	Epinephalus spp.	272	293	600	1,763	818	850	397	280	211	128	104	51	5,767	349
Kerisi	Nemipteridae	109	61	75	141	643	481	617	753	913	461	658	462	5,374	325
Kikek	Leiognathidae	106	81	127	322	409	372	295	139	53	35	44	353	2,336	141
Malong	Muraenesox cinereus	2,727	3,084	4,709	3,952	5,938	3,429	3,438	2,814	4,412	2,175	8,152	1,922	46,752	2,828
Pelandok	Lathrinus miniatus F.	—	—	—	—	42	9	26	24	—	3	14	67	185	11
Semilang	Pletosus spp.	1,150	1,078	206	179	251	223	228	174	204	31	25	21	3,770	228
Shrumbu (Senohong/Kapas)	Lactarius lactarius	211	178	628	2,004	1,571	1,154	1,121	840	861	2,149	238	254	11,209	678
Ubi-Ubu/Mengkerong	Sauride spp.	—	—	—	—	—	—	18	—	19	—	74	—	111	7
Alu-Alu/Kacang-kacang	Sphyræna spp.	55	35	236	263	60	36	42	22	22	112	21	18	922	56
Bawal Puteh/Dueh Puteh	Pampus chinensis	146	146	1,425	2,027	1,992	1,290	1,599	1,306	1,774	1,124	241	353	13,423	812
Bawal Puteh(Bujang) Dueh Puteh (Bujang)	Pampus argenteus	123	113	286	581	622	727	418	1,077	471	222	78	56	4,774	289
Bawal Hitam/Dueh Hitam	Parastromateus niger	1,191	1,311	2,686	5,665	3,924	3,393	2,219	4,537	2,208	1,440	1,261	973	30,808	1,864
Belanak/Kedera	Mugil spp.	111	87	29	39	11	13	19	8	4	20	27	9	377	23
Cincaru (Goronggong)	Negalaspsis crydyla	1,506	1,511	235	1,312	882	1,161	1,024	1,221	525	272	427	368	10,444	632
Demudok/Rambai	Caranx spp.	5	19	—	151	102	174	107	786	825	403	617	372	3,561	215
Kurau/Senangin	Polynemus tetradactylus	1,859	1,602	1,885	2,374	1,977	1,761	1,638	1,054	1,274	366	182	59	16,031	970
Pelata/Selar	Caranx spp.	245	214	139	1,882	1,308	1,036	1,629	267	1,412	459	656	807	10,054	608
Selar Kuning	Caranx spp.	917	1,187	1,281	70	2,252	1,661	1,008	212	992	29	112	416	10,137	613
Talang	Chorinemus spp.	158	85	240	255	714	736	637	94	192	63	54	82	3,310	200
Bilis	Stolophorus spp.	—	36	—	—	—	—	—	—	—	—	—	—	36	2
Bulan	Megalops cyprinoides	—	—	—	—	—	—	21	25	10	5	2	3	66	4
Parang-Parang	Chirocentrus dorab	622	229	422	631	506	633	659	615	340	331	104	28	5,120	310
Tamban	Clupea spp.	540	608	1,150	1,575	385	1,154	426	222	214	120	219	160	6,773	410
Terubok	Clupea macrura	102	392	555	656	2,605	1,567	1,146	777	850	671	329	50	9,700	587
Tongkol/Kayu/Aya	Euthynnus spp.	2,340	2,714	3,935	4,013	3,642	3,572	2,222	3,227	1,749	1,757	2,069	2,005	33,245	2,011
Kembong/Temenong	Pastrelliger kanagurta	1,501	943	668	3,862	1,467	1,122	784	918	1,187	2,566	514	667	16,199	980

1 M. Ton (Metric Tonnes) = 16.53 Pikul (Piculs)

Sambun,
(Continued.)

Nama Tempatan (Local Name of Fishes)	Nama Sains (Scientific Names)	Jan. (Jan)	Feb. (Feb)	Mar. (Mar)	April (Apr.)	Mei (May)	Jun (June)	Julai (July)	Ogos (Aug)	Sept. (Sept)	Okt. (Oct.)	Nov. (Nov.)	Dis. (Dec.)	Jumlah (Total)	M. Ton (M. Tonnes)
Tenggiri	Scomberomenus spp.	2,063	2,486	4,242	7,059	7,161	7,952	6,135	6,953	5,290	5,931	2,601	4,109	61,982	3,750
Timah	Trichiurus spp.	1,411	1,140	816	631	267	488	811	697	483	194	62	27	7,027	425
Yu	Lamniiformes	2,582	2,545	2,748	3,272	2,780	3,128	3,759	4,106	5,707	3,623	3,821	4,633	42,704	2,583
Pari	Order rajiformes	1,609	2,644	2,600	3,164	2,914	4,089	3,378	3,376	3,527	3,357	1,496	1,267	33,421	2,022
Baja		6,881	7,158	18,730	25,318	25,695	26,641	24,137	22,193	23,691	19,002	19,119	8,900	227,465	13,761
Jebong	Abalisters stellaris	—	—	—	—	6	20	16	—	—	—	14	16	72	4
Ikan Campur	—	6,066	6,875	10,518	13,413	17,583	18,129	14,804	19,014	14,555	16,662	11,010	16,111	164,740	9,966
Kebasi/Selangat	Dorosoma chacunda	—	—	18	119	38	38	42	159	37	283	—	1,403	2,137	129
Puput	Pellona spp.	1,233	1,684	1,543	2,599	2,579	2,094	1,972	1,359	1,196	513	257	152	17,181	1,039
Jamah	Caranx spp.	50	110	180	265	100	266	105	400	25	29	5	10	1,545	93
Pereneong	Scaridae	17	104	—	770	292	216	3	1	22	25	1	5	1,456	88
Panjang	Pseudoscianena spp.	400	542	297	503	411	108	466	887	989	206	25	7	4,841	293
Pelayak	Callyodontidae	54	65	21	64	37	179	65	22	14	35	9	4	569	34
Impirang	Setipinna taty	1,376	1,208	1,201	477	444	365	350	246	284	188	159	104	6,402	387
Bulu Ayam	Coillia spp.	197	610	661	244	429	533	781	525	538	395	12	—	4,925	298
Lumi	Harpodon nehereus	728	2,383	2,304	1,470	664	9	215	150	7	98	—	25	8,053	487
Kilat	Pampus spp.	456	342	575	2,050	2,240	2,319	918	1,310	1,130	533	275	126	12,274	743
Merah	Lutianus spp.	659	100	213	669	289	1,228	490	714	683	526	501	691	6,763	409
Bulu	Polynemus borneensis	40	139	17	92	193	137	97	147	123	7	6	3	1,001	61
Empirit	Clupea macrura	283	507	213	194	124	93	69	116	29	15	—	—	1,643	99
Ubor-ubor			863	11,079	4,042	274	185	177	117	301	360	330	308	18,036	1,091
Ketam	Crustacea	415	299	350	454	683	494	388	346	207	142	132	219	4,129	250
Ketam Laut/Ketam Suri	Crustacea	5	32	9	4	2	1	38	13	16	44	18	22	204	12
Udang Karang	Panulirus polyhagus	—	—	—	3	—	—	—	—	—	—	6	10	19	1
Udang Lobok	Thenus orientalis	20	13	6	19	4	—	11	10	11	5	44	4	147	9
Udang/Siar	Penaeus spp.														
	Matapenaeus spp.	11,896	15,634	12,916	12,075	8,756	8,443	9,458	7,565	11,154	4,204	11,080	13,706	126,887	7,676
Payak	Parapenopsis spp.	10,943	40,493	14,932	5,861	2,758	3,057	4,516	2,465	3,649	1,037	5,868	12,430	108,009	6,534
Udang Baring	Acetus	28	266	741	1,091	746	949	871	278	309	152	228	242	5,901	357
Udang Galah	Macrobrachium rosenbaegi	71	119	140	156	183	174	159	120	144	105	99	32	1,502	91
Sotong	Mollusca	1,258	1,421	1,395	2,526	1,468	1,384	1,411	883	564	859	377	157	13,703	829
Kerang	Anadara spp.	10	10	5	—	23	10	—	—	—	—	—	—	58	4
Tokoyong	Mollusca	15	8	—	—	45	89	—	—	—	—	12	5	174	11
Lokan	Mollusca	20	—	—	—	41	31	—	—	—	—	—	—	92	6
Ambal	Mollusca	194	11	—	—	—	—	—	—	—	—	54	3	262	16
Ramin	Mollusca		25	15	—	37	—	—	—	—	—	4	51	132	8
Jumlah (Total)	Pikul (Piculs)	73,774	114,690	121,737	136,173	128,343	124,838	115,367	110,525	106,672	80,868	83,885	84,401	1,281,273	
	M. Ton (M. Tonnes)	4,463	6,938	7,365	8,238	7,764	7,552	6,979	6,687	6,453	4,892	5,075	5,106		77,512

PENDARATAN IKAN LAUT DAN UDANG MENGIKUT KUMPULAN PERKAKAS, SARAWAK
(Marine Fish and Prawn Landings by Gear Group, Sarawak)
1974 — 1978

(Kuantiti dalam Metrik Tan — Quantity in Metric Tonnes)

Jadual (Table) 6.7

Kumpulan Perkakas (Gear Group)	1974	1975	1976	1977	1978
Pukat-Pukat Tunda (Trawl Nets)	35,672.19	33,540.41	43,821.48	45,582.64	52,439.38
Jaring-Jaring Hanyut (Drift/Gill Nets)	9,472.62	23,355.84	20,988.69	15,238.54	13,139.14
Belat-Belat (Fishing Stakes)	2,806.64	2,829.10	1,532.67	2,343.25	2,083.73
Pukat-Pukat Tarik (Seine Nets)	139.15	374.65	1,754.39	1,488.93	2,507.68
Pukat-Pukat Tanggok/Surung (Scoop/Push/Lift Nets)	170.12	288.87	2,083.55	13,719.96	1,222.99
Pukat-Pukat Bakul (Bag Nets)	2,586.08	1,977.01	257.77	1,909.26	3,999.15
Pukat-Pukat Rentang (Barrier Nets)	119.32	638.96	472.53	386.69	327.47
Pancing (Hook/Lines)	125.36	239.14	442.59	312.34	1,125.35
Bubu (Traps)	241.12	476.04	439.69	416.76	253.12
Jala (Cast Nets)	158.69	—	—	—	—
Memungut Siput (Shellfish Collection)	—	212.95	306.84	27.65	43.44
Rampaian (Miscellaneous)	424.55	252.93	113.19	1,868.97	370.54
JUMLAH (Total)	51,915.84	64,185.90	73,213.39	83,294.99	77,511.99

Perangkaan untuk 1975 dan 1976 telah dipindakan
(Data for 1975 and 1976 are revised figures)

BILANGAN PERAHU-PERAHU BERJENTERA DAN TIADA BERJENTERA DISARAWAK

(Number of Powered and Non-Powered Fishing Crafts in Sarawak)

1970 - 1978

Jadual (Table) 6.8

Tahun (Year)	Jenis Perahu (Type of Boat)	Tiada Berinjin (Non-Powered)	Beringin Sangkut (Outboard Powered)	Berinjin Dalam (Inboard Powered)				Jumlah (Total)
				Kotaks	Membawa Ikan (Fish Carriers)	Pukat Tunda (Trawlers)	Lain-Lain (Others)	
1970		1,572	881	478	81	176	349	3,537
1971		1,346	904	417	51	243	398	3,359
1972		1,287	877	405	45	433	460	3,507
1973		1,558	783	432	46	472	490	3,781
1974		1,772	1,098	368	69	479	586	4,372
1975		1,961	1,530	370	85	530	608	5,084
1976		1,836	1,537	378	82	569	538	4,940
1977		1,527	1,563	382	90	713	624	4,899
1978		1,128	1,464	347	106	744	1,225	5,014

IMPOT DAN EKSPOT IKAN DAN HASIL-HASIL PERIKANAN

SARAWAK (1963 - 1978)

Import & Export of Fish & Fish Products in
Sarawak (1963 - 1978)

(Kuantiti dlm M. Ton - Qty. in M. Tonnes)

Jadual (Table) 6.9

Tahun (Year)	Impot (Import)		Ekspot (Export)	
	Kuantiti - M. Ton (Qty. - Tonnes)	Nilai C.I.F. \$ (Value C.I.F. \$)	Kuantiti - M.Ton (Qty. - M. Tonnes)	Nilai C.I.F. \$ (Value C.I.F. \$)
1963	3,750.29	5,478,765	416.56	279,379
1964	6,252.87	6,517,799	40.92	73,813
1965	4,617.90	6,179,568	97.24	179,875
1966	4,928.01	6,554,756	32.22	55,517
1967	4,341.77	5,255,127	269.60	613,984
1968	4,753.09	5,615,787	106.14	224,546
1969	4,868.64	5,795,682	112.43	268,075
1970	5,044.03	6,416,785	276.38	609,475
1971	4,166.61	5,338,441	909.85	2,209,041
1972	3,950.98	5,270,873	1,163.67	5,301,553
1973	6,285.60	8,156,581	1,381.07	7,146,986
1974	4,351.49	7,687,164	1,542.56	6,552,236
1975	4,912.73	9,553,139	1,292.25	5,770,850
1976	5,033.06	10,483,013	2,228.65	14,512,073
1977	5,182.73	11,749,997	3,155.22	21,904,917
1978*	2,021.68	4,648,338	1,819.11	9,259,389

*Angka-angka anggaran
(Preliminary figures)

Perangkaan impot untuk tahun 1963 - 1977 telah
dipindahkan
(All impot data for 1963 - 1977 are revised figures)

PEMBETULAN KEPADA PERANGKAAN TAHUNAN PERIKANAN 1977
(Amendments to Annual Fisheries Statistics, 1977)

1. **Jadual 1.1 — Muka 1 (Table 1.1 — Page 1)**
Jumlah bilangan nelayan orang India dibawah Negeri Perak sebenarnya 328 dan bukan 326.
(Total number of Indian fishermen under Perak State should read as 328 and not 326)
2. **Jadual 2.11 1 Sambungan — Muka 76 (Table 2.11 1 Continued — Page 76)**
Pendaratan 18 pikul Udang dibawah Pukat Surong harus dibatalkan.
(18 piculs of Prawn landings under Push Nets should be cancelled.)
3. **Jadual 4.1 — Muka 99 (Table 4.1 — Page 99)**
Nilai eksport item S.I.T.C. 031206 — Fish, other than Salmon, smoked; sebenarnya \$708,687 dan bukan \$708,637.
(Export value of item S.I.T.C. 031206 — Fish, other than Salmon, smoked; should read as \$708,687 and not \$708,637.)
4. **Jadual 4.1 Sambungan — Muka 100 (Table 4.1 Continued — Page 100)**
Nombor S.I.T.C. item 'Sardines' sebenarnya 032011 dan bukan 032001.
(S.I.T.C. number of item 'Sardines' should read as 032011 and not 032001.)
5. **Jadual 4.3 b — Muka 107 (Table 4.3 b — Page 107)**
Bilangan kuantiti dan nilai item 031-026 dibawah Hong Kong dan U.S.A. sebenarnya 0 long ton dan M.\$ 2,700; — long ton dan M.\$ — masing-masing dan bukan — long ton dan M.\$ 0; 2,700 long tons dan M.\$—masing masing.
(Quantity and value of item 031-026 under Hong Kong and U.S.A. should read as 0 long ton and M.\$ 2,700; — long ton and M.\$ — respectively and not as — long ton and M.\$ 0; 2,700 long tons and M.\$ — respectively.)
6. **Peta E — Muka 119 (Chart E — Page 119)**
Yunit sekil Peta E yang tidak disebutkan sebenarnya 'Ribuan Metrik Ton/'000 M. Ton'.
(Scale unit of Chart E not stated therein should read as 'Thousands Metric Tonnes/'000 M. Tonnes'.)
7. **Jadual 7.6 — Muka 153 (Table 7.6 — Page 153)**
Nilai impot 1974, bulan Mac sebenarnya M.\$ 164,697 dan bukan M.\$ 164,679; kuantiti impot 1977, bulan Disember sebenarnya 177.88 long tons dan bukan 117.88 long tons.
(1974 import value for the month of March should read as M.\$ 164,697 and not M.\$164,679; 1977 import quantity for the month of December should read as 177.88 long tons and not 117.88 long tons.)