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2001
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PENDAHULUAN

Perangkaan Tahunan Perikanan adalah pengeluaran Jabatan Perikanan sebagai bahan rujukan utama mengenai data dan maklumat penting mengenai industri perikanan Malaysia. Maklumat ini termasuk juga data eksport dan import komoditi perikanan.

Data mengenai pengeluaran ikan, nelayan, vesel, perkakas dan usaha menangkap ikan dimasukkan dalam jilid I manakala data eksport/import dalam jilid 2.

Dengan ini adalah diharapkan penerbitan ini akan memberi manfaat kepada semua terutama mereka yang memerlukan statistik perikanan terkini.

Terima kasih.

Ketua Pengarah Perikanan
Jabatan Perikanan Malaysia
KUALA LUMPUR.

FOREWORD

The Annual Fisheries Statistics is a bulletin produced by the Department of Fisheries as a reference for vital data and information on the Malaysian Fisheries Sector. It also includes the export and import data of fisheries commodities.

The data on fish production, fishermen, vessels, fishing gears and fishing efforts are in volume I whereas the export and import data are in volume 2.

We hope that this bulletin would be beneficial to all especially to those who require the latest fisheries statistics.

Thank you.

Director-General of Fisheries
Department of Fisheries Malaysia
KUALA LUMPUR.

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Jadual *(Table)* 26.1 Anggaran Harga Borong Ikan Air Tawar Di Pasar Utama Mengikut Negeri Dan Spesis, Malaysia, 2001
(Estimated Wholesale Prices Of Freshwater Fish At Major Markets By State And Species, Malaysia, 2001)

Jadual *(Table)* 26.2 Anggaran Harga Runcit Ikan Air Tawar Di Pasar Utama Mengikut Negeri Dan Spesis, Malaysia, 2001
(Estimated Retail Prices Of Freshwater Fish At Major Markets By State And Species, Malaysia, 2001)

Jadual *(Table)* 27.1 Anggaran Harga Borong Ikan Air Payau/Masin Di Pasar Utama Mengikut Negeri Dan Spesis, Malaysia, 2001
(Estimated Wholesale Prices Of Brackishwater/Marine Fish At Major Markets By State And Species, Malaysia, 2001)

Jadual *(Table)* 27.2 Anggaran Harga Runcit Ikan Air Payau/Masin Di Pasar Utama Mengikut Negeri Dan Spesis, Malaysia, 2001
(Estimated Retail Prices Of Brackishwater/Marine Fish At Major Markets By State And Species, Malaysia, 2001)

Jadual *(Table)* 28.1 Anggaran Pengeluaran Ikan Hiasan Mengikut Negeri, Malaysia, 2001
(Estimated Production Of Ornamental Fish By State, Malaysia, 2001)

Jadual *(Table)* 28.2 Anggaran Pengeluaran Dan Nilai Ikan Hiasan Mengikut Negeri, Malaysia, 2001
(Estimated Production And Value Of Ornamental Fish By State, Malaysia, 2001)

PERAIRAN UMUM *(Public Waterbodies)*

Jadual *(Table)* 29.1 Anggaran Pendaratan Ikan Air Tawar Dari Perairan Umum/Perikanan Darat Mengikut Bulan Dan Negeri, Malaysia, 2001
(Estimated Landings Of Freshwater Fish From Public Waterbodies/Inland Fisheries By Month And State, Malaysia, 2001)

Jadual *(Table)* 29.2 Anggaran Pendaratan Ikan Air Tawar Dari Perairan Umum/ Perikanan Darat Mengikut Perairan Dan Negeri, Malaysia, 2001
(Estimated Landings Of Freshwater Fish From Public Waterbodies/ Inland Fisheries By Waterbodies And State, Malaysia, 2001)

PENGELUARAN BENIH IKAN/UDANG *(Fish/Prawn Fry Production)*

Jadual *(Table)* 30.1 Anggaran Pengeluaran Benih Ikan Air Tawar Dari Pusat Pembaikbiak Ikan Kerajaan Mengikut Pusat Dan Spesis, 2001
(Estimated Production Of Freshwater Fingerlings From Government Hatcheries By Hatchery And Species, 2001)

Jadual *(Table)* 30.2 Anggaran Pengeluaran Benih Udang Air Payau/Masin Dan Udang Galah Dari Pusat Pembaikbiak Kerajaan Mengikut Pusat Dan Spesis, 2001
(Estimated Production Of Brakishwater Prawn and Giant Freshwater Prawn Fingerlings From Marine Government Hatcheries By Hatchery And Species, 2001)

Jadual *(Table)* 30.3 Anggaran Pengeluaran Benih Ikan/Udang Air Payau/Masin Dan Udang Galah Dari Pusat Kerajaan Mengikut Pusat dan Spesis, 2001
(Estimated Production Of Brackishwater Fish/Prawn Fingerlings From Government Hatcheries By Hatchery And Species, 2001)

Jadual *(Table)* 30.4 Bilangan Dan Anggaran Pengeluaran Haceri Benih Ikan Air Payau Swasta Mengikut Negeri, Malaysia, 2001
(Number And Estimated Production Of Private Brakishwater Fish Fry Hatcheries By State, Malaysia, 2001)

Jadual *(Table)* 30.5 Bilangan Dan Anggaran Pengeluaran Haceri Benih Udang Swasta Mengikut Negeri, Malaysia, 2001
(Number And Estimated Production Of Private Prawn Fry Hatcheries By State, Malaysia, 2001)

Jadual *(Table)* 30.6 Bilangan Dan Anggaran Pengeluaran Haceri Benih Ikan Air Tawar Swasta Mengikut Negeri, Malaysia, 2001
(Number And Estimated Production Of Private Freshwater Fish Fry By State, Malaysia, 2001)

Jadual *(Table)* 30.7 Pembahagian Benih Ikan Air Tawar Untuk Kegunaan Pelbagai dan Pelepasan ke Perairan Umum Mengikut Negeri dan Spesis, 2001
(Distribution Of Freshwater Fish Fry For Miscellaneous Purposes And Releases Into Public Waterbodies By State And Species, 2001)

Jadual *(Table)* 30.8 Pembahagian Benih Ikan Air Tawar Kepada Penternak Mengikut Negeri dan Spesis, 2001
(Distribution Of Freshwater Fish Fry To Culturists By State And Species, 2001)

D. KLASIFIKASI PERANGKAAN PIAWAIAN IKAN AIR TAWAR DAN IKAN LAUT MALAYSIA (Standard Statistical Classification Of Common Malaysian Freshwater And Marine Fishes)

KEDUDUKAN SEKTOR PERIKANAN DI MALAYSIA

STATUS OF MALAYSIAN FISHERIES SECTOR

KEDUDUKAN SEKTOR PERIKANAN DI MALAYSIA

1. PENDAHULUAN

Sektor perikanan masih memainkan peranan yang penting sebagai penyumbang utama ikan selaku sumber makanan dan protein yang penting kepada negara. Ia telah menyumbang 1.54% kepada KDNK* dan menyediakan peluang pekerjaan kepada 84,496 orang nelayan dan 22,108 orang penternak ikan. Seperti tahun-tahun yang lalu sektor perikanan laut pantai masih kekal sebagai pengeluaran utama hasil perikanan iaitu sekitar 1.06 juta tan metrik.

Sebagai agensi yang dipertanggungjawapkan mengurus sumber perikanan, Jabatan telah dan sedang mengambil beberapa tindakan untuk meningkatkan pengeluaran ikan negara. Antara usaha yang sedang diambil untuk menambahkan pengeluaran ikan negara adalah dengan menggalakkan tangkapan perikanan laut dalam serta membangunkan sektor akuakultur. Penambahan vesel laut dalam serta pengurusan sumber perikanan secara mampan dan berterusan akan menjamin keberkekalan sumber ini bagi masa akan datang. Namun begitu pergantungan kepada pengeluaran perikanan tangkapan mungkin tidak dapat lagi mampu memenuhi permintaan yang kian bertambah. Justeru itu sebagai alternatif sektor akuakultur telah diberi penekanan bagi menjamin pengeluaran ikan negara memandangkan sektor ini mempunyai kawasan berpotensi yang luas. Dijangkakan bahawa pengeluaran daripada sektor ini akan dapat ditingkatkan empat kali ganda menjelang tahun 2010.

Perancangan dan langkah bersepadu sedang diambil dengan penyertaan pihak swasta dan adalah diharapkan bahawa industri akuakultur akan menjadi pemangkin kepada peningkatan pengeluaran ikan negara dimasa akan datang.

* Keluaran Dalam Negara Kasar adalah RM 353.25 bilion (Buku Maklumat Perangkaan, Jabatan Perangkaan Malaysia 2001)

2. **PROFIL PERIKANAN**

Sektor perikanan pada tahun 2001 telah menghasilkan RM 5.45 bilion merangkumi 1,408,308 tan metrik pengeluaran ikan bernilai RM 5.37 bilion dan 338 juta ekor ikan hiasan bernilai RM 81 juta. Pengeluaran ikan mencatatkan penurunan sebanyak 3.12% dari segi pengeluaran tetapi daripada segi nilai telah meningkat sebanyak 0.06%. Sumbangan sektor perikanan kepada KDNK adalah 1.54% untuk tahun 2001 berbanding dengan 1.60% dalam tahun 2000. Namun begitu sumbangan kepada sektor pertanian telah meningkat daripada 18.24% pada tahun 2000 kepada 18.48% pada tahun 2001.

Mengikut sektor, pengeluaran perikanan marin menyumbang 1,231,289 tan metrik atau 87.4% daripada pengeluaran ikan negara yang bernilai RM 4.17 bilion. Perikanan pantai masih kekal sebagai penyumbang utama dengan pengeluaran sebanyak 1,063,363 tan metrik bernilai RM3.66 bilion atau 75.5% daripada keseluruhan pengeluaran ikan negara. Sektor perikanan laut dalam telah menyumbang 167,926 tan metrik bernilai RM 509 juta iaitu 11.9% daripada keseluruhan pengeluaran ikan negara.

Sektor akuakultur pula telah mencatatkan pengeluaran sebanyak 177,019 tan metrik, menghasilkan 12.6% daripada jumlah pengeluaran ikan negara. Peningkatan sebanyak 5.43% jika dibandingkan dengan pengeluaran pada tahun 2000. Pengeluaran daripada sektor ini juga menunjukkan pertumbuhan yang sangat menggalakkan dimana nilai pengeluaran turut meningkat sebanyak 24.35% daripada RM970.32 juta pada tahun 2000 kepada RM1,206.59 juta pada tahun 2001.

Disamping itu sektor perikanan darat pada tahun 2001 hanya mencatatkan pengeluaran sebanyak 3,446 tan metrik atau 0.24% daripada jumlah pengeluaran ikan negara. Industri ikan hiasan pula pada tahun lapuran telah mencatat pengeluaran sebanyak 338 juta ekor ikan bernilai RM81.03 juta.

Daripada segi tenaga kerja sektor perikanan mempunyai seramai 84,496 orang nelayan yang bekerja di atas vesel menangkap ikan yang berlesen dan 22,108

orang penternak ikan terlibat dalam pelbagai sistem akuakultur. Angka ini tidak termasuk ramai lagi para pengusaha yang terlibat secara langsung atau tidak langsung dalam aktiviti hiliran dan industri yang berkaitan dengan industri perikanan. Pada tahun 2001, jumlah vesel menangkap ikan yang dilesenkan ialah 31,780 buah dimana kebanyakannya mengusahakan peralatan tradisional.

3. PERIKANAN MARIN

3.1 Nelayan

Sejumlah 84,496 orang nelayan telah direkodkan pada tahun 2001 bekerja di atas vesel menangkap ikan berlesen, peningkatan sebanyak 3.05% jika dibandingkan dengan tahun 2000. Seramai 31,641 orang nelayan bekerja diatas vesel pukat tunda dan pukat jerut ikan manakala selebihnya iaitu 52,855 orang nelayan bekerja diatas vesel menangkap ikan tradisional. Terdapat seramai 31,242 (36.97%) orang nelayan di Pantai Barat Semenanjung Malaysia, 22,396 (26.51%) orang di Pantai Timur dan 30,858 (36.52%) orang di Malaysia Timur.

Industri perikanan laut dalam seringkali menghadapi masalah kekurangan vesel yang besar dan kekurangan pekerja mahir. Berbagai langkah telah diambil untuk memastikan bahawa pembangunan industri perikanan laut dalam akan membawa keuntungan maksimum kepada negara. Langkah tersebut termasuklah pengeluaran permit laut dalam dan latihan kepada nelayan. Namun begitu industri penangkapan ikan laut dalam masih lagi bergantung kepada penggunaan tenaga kerja asing. Dengan penglibatan vesel carter dalam industri laut dalam, bilangan nelayan asing telah bertambah daripada 15,166 orang pada tahun 2000 kepada 18,152 orang pada tahun 2001, pertambahan sebanyak 19.69%. Seramai 10,182 orang nelayan asing telah diluluskan untuk berkerja di Semenanjung Malaysia, 2,167 orang di Sarawak, 5,767 di Sabah dan 36 orang di Labuan.

3.2 Vesel Menangkap Ikan

Bilangan vesel menangkap ikan yang berdaftar di Malaysia adalah sebanyak 31,780 buah pada tahun 2001 berbanding dengan 31,531 buah pada tahun 2000, peningkatan 0.79 %. Kebanyakan vesel beroperasi di laut pantai yang

telah dieksploitasikan ketahap maksimum. Dasar Jabatan sekarang ini adalah memberi keutamaan kepada vesel menangkap ikan laut dalam yang berpotensi di Malaysia Timur terutama di Sarawak. Bilangan vesel di Semenanjung Malaysia mencatatkan peningkatan 1.52% daripada 18,564 buah pada tahun 2000 kepada 18,846 buah pada tahun 2001. Pantai Timur menunjukkan peningkatan sebanyak 5.7% dan Pantai Barat pula mencatitkan penurunan sebanyak 0.23%. Bilangan vesel menangkap ikan yang dilesenkan di Sabah dan Sarawak tiada perubahan manakala di Labuan berkurangan sebanyak 33 buah vesel.

Pembangunan sektor perikanan laut dalam mengambil kira status sumber perikanan berdasarkan maklumat yang diperolehi dari sumber perikanan. Bilangan vesel menangkap ikan disektor perikanan laut dalam agak kecil jika dibandingkan dengan bilangan vesel perikanan laut pantai. Pada tahun 2001 terdapat lebih daripada 30,000 buah vesel yang dilesenkan untuk menerokai perairan laut pantai berbanding dengan hanya 543 buah diperairan laut dalam iaitu penurunan sebanyak 58 buah daripada 601 buah pada tahun 2000. Walau bagaimana adalah dijangkakan bahawa pengeluaran dari sektor ini akan berkembang dan akan menyumbang kepada peningkatan dalam pengeluaran ikan negara.

3.3 Perkakas Menangkap Ikan

Sesebuah vesel menangkap ikan yang dilesenkan pada kebiasaannya mengusahakan sejenis perkakas sahaja. Walau bagaimanapun terdapat vesel yang beroperasi lebih daripada sejenis alat menangkap ikan samada pada masa yang sama atau pun dimusim yang berlainan. Oleh sebab itu bilangan lesen yang dikeluarkan untuk perkakas menangkap ikan dengan bilangan lesen yang dikeluarkan untuk vesel menangkap ikan biasanya tidak sama. Bilangan perkakas menangkap ikan yang dilesenkan meningkat sebanyak 28.1% daripada 24,722 unit pada tahun 2000 kepada 31,681 unit pada tahun 2001

3.4 Pendaratan Ikan Marin

Pendaratan ikan marin berkurangan sebanyak 4.23% daripada 1,285,696 tan metrik pada tahun 2000 kepada 1,231,289 tan metrik pada tahun 2001. Daripada segi nilai pendaratan juga, terdapat penurunan sebanyak 5.3% daripada RM 4.399 bilion pada tahun 2000 kepada RM 4.166 bilion pada tahu 2001. Vesel menangkap ikan komersial yang mengusahakan pukat tunda dan pukat jerut ikan yang hanya merupakan 22% daripada jumlah bilangan vesel menangkap ikan telah menghasilkan 75.6% daripada pengeluaran ikan marin. Pada keseluruhannya pendaratan vesel pukat tunda menurun 4.85% daripada 710,379 tan metrik pada tahun 2000 kepada 675,957 tan metrik pada tahun 2001. Pendaratan vesel pukat jerut ikan juga menurun sebanyak 2.01% daripada 260,378 tan metrik pada tahun 2000 kepada 255,149 tan metrik pada tahun 2001.

JADUAL 1: PENDARATAN DAN NILAI PERIKANAN LAUT PANTAI, 2001

	Kuantiti (Tan Metrik)	Nilai(RM)
Pantai Barat Semenanjung Malaysia	446,542	1,658,232,613
Pantai Timur Semenanjung Malaysia	311,911	950,778,404
Semenanjung Malaysia	**758,453**	**2,609,011,017**
Sabah	172,789	615,958,557
Sarawak	123,571	396,310,675
Wilayah Persekutuan Labuan	8,550	35,792,584
Jumlah	**1,063,363**	**3,657,072,833**

Sebahagian besar daripada pengeluaran ikan marin masih disumbangkan oleh sektor perikanan laut pantai (Jadual 1). Tetapi pada tahun 2001 ia telah menurun sebanyak 4.6% daripada 1,114,669 tan metrik kepada 1,063,363 tan metrik, iaitu 86.36% daripada jumlah pengeluaran ikan marin. Semenjak dua dekad yang lalu sektor perikanan pantai merupakan penyumbang utama kepada pendaratan ikan marin yang kekal pada tahap lebih kurang 80% setiap tahun. Peralatan

tradisional yang digunakan diatas 24,757 unit vesel hanya menyumbang sebanyak 300,183 tan metrik pada 2001.

Bagi sektor perikanan laut pantai, vesel pukat tunda telah dapat mendaratkan sebanyak 586,919 tan metrik, penurunan sebanyak 4.66% daripada pendaratan tahun 2000 iaitu sebanyak 615,595 tan metrik. Pukat jerut juga telah menampakkan penurunan sebanyak 4.31% daripada 184,719 tan metrik pada tahun 2000 kepada 176,760 tan metrik pada tahun 2001.

Industri perikanan laut dalam (Jadual 2) merangkumi vesel menangkap ikan yang bermuatan 70 GRT keatas yang mengusahakan pukat tunda, pukat jerut (kecuali pukat jerut bilis) dan pancing yang beroperasi di kawasan perairan melebihi 30 batu notika. Pada tahun 2001 industri ini menyumbang sebanyak 167,926 tan metrik ikan atau merupakan 13.6% daripada jumlah pendaratan ikan marin di Malaysia. Pendaratan ini telah menurun sebanyak 1.8% jika dibandingkan dengan tahun sebelumnya. Daripada segi nilai pula pengeluaran daripada laut dalam telah juga menurun sebanyak 0.62% daripada RM 512.21 juta pada tahun 2000 kepada RM 509.04 juta pada tahun 2001. Nilai ini juga adalah 12.2% daripada jumlah nilai pendaratan ikan marin di Malaysia.

Pendaratan vesel pukat tunda dalam sektor perikanan laut dalam menunjukkan penurunan sebanyak 6.06% daripada 94,784 tan metrik pada tahun 2000 kepada 89,038 tan metrik pada tahun 2001. Walau bagaimanapun pendaratan oleh vesel pukat jerut telah meningkat sebanyak 3.6% daripada 75,659 tan metrik pada tahun 2000 kepada 78,389 tan metrik pada tahun 2001.

JADUAL 2 : PENDARATAN DAN NILAI PERIKANAN LAUT DALAM MENGIKUT KUMPULAN PERKAKAS, 2001

	Pukat Tunda 70 GRT & Keatas		Pukat Jerut Ikan 70 GRT & Keatas		Rawai/Pancing 70 GRT & Keatas		Jumlah	
	Kuanatiti (Tan Metrik)	Nilai (RM)	Kuanatiti (Tan Metrik)	Nilai (RM)	Kuanatiti (Tan Metrik)	Nilai (RM)	Kuanatiti (Tan Metrik)	Nilai (RM)
Pantai Barat Sem. Malaysia	26,626	68,404,250	15,858	56,147,785	0	0	42,484	124,552,035
Pantai Timur Sem. Malaysia	30,363	78,004,892	55,901	197,926,430	0	0	86,264	275,931,322
Peninsular Malaysia	56,989	146,409,142	71,759	254,074,215	0	0	128,748	400,483,357
Sabah	0	0	5,068	17,944,065	189	1,039,942	5,257	18,984,007
Sarawak	31,773	81,627,291	1,054	3,731,856	310	1,705,725	33,137	87,064,872
W. Persekutuan Labuan	276	709,065	508	1,798,655	0		784	2,507,720
Jumlah	**89,038**	**228,745,498**	**78,389**	**277,548,791**	**499**	**2,745,667**	**167,926**	**509,039,956**

4. AKUAKULTUR

Sektor akuakultur mempunyai potensi untuk menyumbang kepada pengeluaran ikan negara. Perancangan yang teliti dan rapi serta usaha yang serius dalam memajukan sektor ini amatlah diperlukan terutama sekali melalui penglibatan pihak swasta. Namun begitu usaha yang sama harus diberikan untuk meningkatkan pengeluaran akuakultur daripada ladang yang kecil dan sederhana melalui penggunaan teknologi moden dan amalan pengurusan ladang yang mampan.

4.1 Pengeluaran Akuakultur

Pada keseluruhannya, industri akuakultur menyumbang sebanyak 12.60% daripada jumlah pengeluaran ikan negara. Dan industri ini merupakan sektor yang terus berpotensi untuk meningkatkan pengeluaran ikan negara. Berkemungkinan tinggi akuakultur akan memainkan peranan utama dalam pengeluaran makanan diabad yang akan datang. Walaupun perancangan dan berbagai usaha telah diambil untuk membangunkan sektor ini, ia akan mengambil satu tempoh masa sebelum hasil dan matlamat yang ditetapkan dapat dicapai sepenuhnya. Pengeluaran dari sektor akuakultur untuk tahun 2001 masih terus dipengaruhi oleh pengeluaran kerang dan kolam air tawar. Peningkatan telah mendorong pengeluaran keseluruhan meningkat sebanyak 5.43% kepada 177,019 tan metrik pada tahun 2001 daripada 167,894 tan metrik pada tahun 2000.

Sejumlah 22,108 penternak terlibat dalam industri akuakultur dalam tahun 2001, meningkat 1.53% daripada 21,774 orang pada tahun 2000 . Sejumlah besar tenaga kerja terlibat dalam sektor air tawar iaitu 17,146 orang merupakan 77.6% daripada keseluruhan penternak. Manakala sektor air payau/masin melibatkan 4,962 orang penternak.

4.2 Ternakan Air Tawar

Ternakan air tawar menyumbang sebanyak 24.5% daripada jumlah pengeluaran akuakultur. Dalam tahun 2001 jumlah pengeluaran ternakan air tawar telah menurun sebanyak 14.3% daripada 50,688.43 tan metrik kepada 43,456.38 tan

metrik. Daripada segi nilai pula ia merekodkan RM248.58 juta iaitu penurunan 18.5% berbanding tahun sebelumnya dan dengan itu menyumbang hampir 20.6% daripada jumlah nilai pengeluaran akuakultur keseluruhan.

Sektor ternakan kolam air tawar merupakan penggerak utama dalam sistem ternakan ini, menyumbang sebanyak 78% (33,882 tan metrik) daripada jumlah pengeluaran air tawar iaitu menurun 12.8% berbanding dengan pengeluaran tahun 2000. Daripada segi nilai ia mencatatkan penurunan sebanyak 18.18% daripada RM 251.65 juta kepada RM 205.88 juta pada tahun 2001. Spesis utama yang diternak ialah keli (11,614 tan metrik), Tilapia Merah (8,497 tan metrik), Belut (2,358 tan metrik) dan Tilapia Hitam (2,034 tan metrik).

Pengeluaran dari bekas lombong menurun sebanyak 21.8% daripada 6,437 tan metrik dalam tahun 2000 kepada 5,034 tan metrik dalam tahun 2001. Nilai pengeluaran juga menurun sebanyak 23.5% daripada RM 22.6 juta dalam tahun 2000 kepada RM17.3 juta dalam tahun 2001. Spesis utama yang dihasilkan ialah Tilapia Merah (1,967 tan metrik) diikuti oleh Kap Kepala Besar (1,073 tan metrik) dan Tilapia Hitam (795 tan metrik).

Ternakan sangkar air tawar menyumbang 7.39% dari keseluruhan pengeluaran ternakan air tawar iaitu penurunan sebanyak 18.3% daripada 3,929 tan metrik kepada 3,210 tan metrik dalam tahun 2001. Tilapia Merah merupakan spesis utama dengan pengeluaran sebanyak 1,677 tan metrik bernilai RM 7.67 juta dan diikuti Patin sebanyak 809 tan metrik bernilai RM 7.5 juta.

Ternakan tangki simen dan kandang menyumbang 1,329 tan metrik terutama ternakan Tilapia Merah dan Keli. Sistem ternakan ini terus berkembang ke negeri Johor, Terengganu dan Negeri Sembilan.

4.3 Sistem Air Payau

Sektor air payau dalam tahun 2001 menyumbang 75.45% daripada jumlah pengeluaran akuakultur. Sumbangan ini meningkat 13.96% daripada 133,562 tan metrik tahun 2000 berbanding 117,206 tan metrik tahun 2001.

Penghasilan **kerang** meningkat sebanyak 9.97% daripada 64,396 tan metrik dalam tahun 2000 kepada 70,815 tan metrik dalam tahun 2001. Negeri Perak menghasilkan 72.8% daripada pengeluaran pada tahun 2001 iaitu sebanyak 51,583 tan metrik diikuti oleh Pulau Pinang 11,599 tan metrik dan Selangor 6,922 tan metrik.

Pengeluaran daripada ternakan **kolam air payau** meningkat dengan begitu ketara sekali sebanyak 67.3% daripada 17,418 tan metrik dalam tahun 2000 kepada 29,148 tan metrik dalam tahun 2001. Nilai juga bertambah sebanyak 58.9% daripada RM 495.2 juta kepada RM 787 juta. Sabah mendahului negeri lain dengan pengeluaran sebanyak 5,639 tan metrik.

Pengeluaran dari **sangkar air payau** adalah sebanyak 7,591 tan metrik, menurun daripada 7,965 tan metrik pada tahun 2000. Sementara nilai pengeluaran menurun sebanyak 2.6% daripada RM 105.37 juta kepada RM 102.7 juta dalam tahun 2001. Pulau Pinang mendahului negeri lain dengan pengeluaran sebanyak 2,093 tan metrik.

Pengeluaran utama dari sangkar air payau terdiri daripada ikan Siakap dan Jenahak yang menyumbang sebanyak 58% daripada pengeluaran sektor ini. Spesis lain termasuk Kerapu, Siakap Merah dan Ketam.

Pengeluaran **siput sudu** telah menurun sebanyak 37.8% daripada 11,068 tan metrik dalam tahun 2000 kepada 6,880 tan metrik dalam tahun 2001. Negeri Johor yang merupakan pengeluar utama dengan pengeluaran sebanyak 6,616 tan metrik iaitu 96% pengeluaran siput sudu negara.

Nilai pengeluaran siput sudu menurun daripada RM 5.5 juta dalam tahun 2000 kepada RM 3.3 juta pada tahun 2001 iaitu penurunan sebanyak 38.9%.

Jumlah pengeluaran **tiram** adalah sebanyak 264 tan metrik dalam tahun 2001 dengan nilai pengeluaran sebanyak RM 1.69 juta. Terengganu mendahului dengan pengeluaran sebanyak 114 tan metrik.

4.4 Ikan Hiasan

Jumlah pengeluaran ikan hiasan telah menunjukkan peningkatan sebanyak 10.4% daripada 306,096,870 ekor dalam tahun 2000 kepada 338,055,460 ekor dalam tahun 2001. Daripada segi nilai terdapat peningkatan sebanyak 12.6% daripada RM 71.95 juta dalam tahun 2000 kepada RM 81.03 juta dalam tahun 2001. Negeri Johor masih kekal sebagai pengeluar utama ikan hiasan yang menyumbang sebanyak 263,760,236 ekor iaitu 78% daripada jumlah keseluruhan pengeluaran ikan hiasan dalam tahun 2001.

5. PENGELUARAN BENIH

Pengeluaran benih dan rega ikan air tawar dari pusat pembaikbiak ikan kerajaan pada tahun 2001 adalah sebanyak 14.7 juta ekor. Spesis utama yang dikeluarkan ialah Lampam Jawa, Keli, dan Tilapia Merah.

Pengeluaran benih dan rega ikan/udang air payau daripada pusat kerajaan pada tahun 2001 adalah sebanyak 223.3 juta ekor. Spesis utama ialah Kerapu, Siakap, Udang Harimau, dan Udang Galah

Pada tahun 2001 sejumlah 2.58 juta ekor benih ikan air tawar dilepaskan ke perairan umum dan sejumlah 9.87 juta ekor benih ikan air tawar dibahagikan kepada penternak-penternak pada tahun 2001. Penternak Perak adalah penerima utama diikuti oleh Sabah dan Pahang.

6. PERAIRAN UMUM

Pendaratan dari perairan umum telah menurun daripada 3,549 tan metrik pada tahun 2000 kepada 3,446 tan metrik pada tahun 2001 iaitu penurunan sebanyak 2.9%. Negari Perak menyumbang sebanyak 1,247 tan metrik atau 36.2% daripada keseluruhan pendaratan ikan dari perairan umum.

PENDARATAN/PENGELUARAN PERIKANAN DAN NILAI, MALAYSIA,2001

	KUANTITI (TAN METRIK)	NILAI (RM)
Perikanan Marin		
Laut Pantai	1,063,363	3,657,072,833
Laut Dalam	167,926	509,039,956
Jumlah Perikanan Marin	**1,231,289**	**4,166,112,789**
Akuakultur Air Tawar		
Kolam	33,882	205,877,650
Sangkar	3,210	19,642,150
Bekas Lombong	5,035	17,304,430
Tangki Simen	862	3,570,870
Kandang	467	2,182,870
Jumlah Akuakultur Air Tawar	**43,456**	**248,577,970**
Akuakultur Air Payau/ Masin		
Kolam	29,148	787,020,720
Sangkar	7,592	102,726,960
Kerang	70,816	55,731,480
Siput Sudu	6,880	3,299,800
Tiram	264	1,687,160
Rumpai Laut	18,863	7,545,120
Jumlah Akuakultur Air Payau/Masin	**133,563**	**958,011,240**
Jumlah Akuakultur	**177,019**	**1,206,589,210**
Jumlah Pengeluaran Marin & Akuakultur	**1,408,308**	**5,372,701,999**
Pendaratan Ikan Air Tawar (Perairan Umum)	3,446	n.a
Jumlah Ikan Untuk Dimakan	**1,411,754**	
Ikan Hiasan*	**338,055,460**	**81,032,996**
Benih Kerang	2,253	n.a
Jumlah Besar	-	**5,453,734,995**

n.a: Tiada Maklumat
* Kuantiti Dalam Ekor

STATUS OF THE FISHERIES SECTOR IN MALAYSIA

1. INTRODUCTION

The fisheries sector still plays an important role in providing fish as a source of food and protein. It contributed about 1.54% to the GDP* and provided direct employment to 84,496 fishermen and 22,108 fish culturists. Over the years, the industry has succeeded in achieving a steady production from its marine inshore fisheries amounting to an average of 1.06 million tonnes.

The Department of Fisheries is taking several measures to increase fish production in the country. Amongst these measures are to increase fish production from deep-sea fishing and the development of the aquaculture sector. An increase in the number of deep-sea fishing vessels together with sustainable management of the resource, it would give a positive contribution to the fisheries sector in the future. However, the real potential to increase fish production still remains within the aquaculture industry. With a vast potential of inland areas and coastal areas, it is estimated that the production from the aquaculture industry can be increased by as much as four times its present level by the year 2010.

Proper planning and concerted efforts have been made and especially with the participation of the corporate sector, it is envisaged that the aquaculture industry will spearhead the quest to increase fish production in the future.

2. FISHERIES PROFILE

The fisheries sector in 2000, produced RM 5.45 billion consisting 1,408,308 tonnes of fish valued at RM 5.37 billion and 338 million of ornamental fish valued at RM 81 million. Statistically, the fisheries sector recorded an overall decrease in production by 3.12% but in value it has an increase of 0.06% as

* National GDP of RM 353.25 billion (Statistics Handbook, Statistics Department Malaysia, 2001)

compared to 2000 figures. The indication that the fisheries industry is poised to remain an important industry can be reflected by its greater contribution to the GDP, which was 1.54% in 2001 as compared to 1.66% in 2000. Its contribution to the agricultural sector GDP was also encouraging, increasing from 18.24% to 18.48% in 2001.

By sector, production from marine capture fisheries contributed 1,231,289 tonnes or 87.4% of the nation's fish production with a value of RM 4.17 billion. Within this sector, the coastal fisheries remained the major contributor with a production of 1,063,363 tonnes valued at RM 3.66 billion. Still to be developed to its full potential, the deep-sea fisheries sector managed 167,929 tonnes with a value of RM 509 million and contributed 11.9% to the total fish production.

The aquaculture sector recorded a production of 177,019 tonnes, which constituted about 12.6% of the total fish production and increasing by 5.43% from the production of 2000. The value from the aquaculture sector rose by 24.35% from RM 970.32 million in 2000 to RM 1,206.59 million in 2001.

The inland fisheries sector continued to be insignificant producing only 3,446 tonnes or 0.24% of the total fish production. The contribution from the ornamental fish (aquarium) industry recorded 338 million pieces valued at RM 81.03 million.

The work force of the fisheries sector consisted of 84,496 fishermen working on licensed fishing vessels and 22,108 fish culturists involved in the various aquaculture systems. These figures do not include thousands more involved directly or indirectly in downstream activities and related industries. A total of 31,780 fishing vessels were licensed in 2001 with the majority operating traditional gears.

3. MARINE FISHERIES

3.1 Fishermen

With 84,496 fishermen working on licensed fishing vessels, the population of the marine fisheries work force increased by 3.05%. Out of that 31,641 fishermen working on trawlers and purse seiners while the remainder 52,855 fishermen working on traditional fishing vessels. The West Coast of Peninsular Malaysia had 31,242 (36.97%) fishermen, the East Coast of Peninsular Malaysia had 22,396 (26.51%) while East Malaysia accounted for 30,858 (36.52%) fishermen.

The deep-sea fishing industry has been affected by a lack of large fishing vessels and skilled manpower. Various measures have been taken to ensure the expansion and development of the deep-sea fishing industry would bring maximum benefits to the country. Amongst these are the issuance of new permits and new licences for deep-sea fishing as well as the training of fishermen. However, the operations of deep-sea fishing vessels, to a certain extent, will still have to rely on foreign work force. The involvement of foreign workers in this sector of the fishing industry is considered necessary to accelerate the development of the industry itself. With the expansion of the deep-sea fishing fleet and especially with the involvement of chartered vessels, the number of foreign fishermen had increased from 15,166 in 2000 to 18,152 in 2001 Of these, 10,182 foreign crew had been approved to work in Peninsular Malaysia, 2,167 in Sarawak, 5,767 in Sabah, and 36 in Labuan.

3.2 Fishing Vessels

The number of licensed fishing vessels in Malaysia stood at 31,780 units in 2001 as compared to 31,531 units in 2000, increasing by only 0.79%. The majority of the fishing vessels operate in the coastal areas, which have been exploited at an optimum level. In line with the management policy, new licences for fishing vessels are only issued for the deep-sea fishing sector,

where the potential is more focused in East Malaysia especially in Sarawak. The fishing fleet in Peninsular Malaysia recorded an increase of 1.52% from 18,564 in 2000 to 18,846 in 2001 while dipping by 0.23% in the West Coast.The was no change for Sabah and Sarawak with Labuan dropped by 33 vessels.

Development of the deep-sea fishing fleet takes into serious consideration the status of the fisheries resources. Taking a precautionary approach, the deep-sea fishing fleet will remain comparatively small compared with the over 30,000 units licensed to operate in the inshore waters. In 2001, the total number of licensed deep-sea fishing vessels was only 543 units as compared to 601 units in 2000. It is expected that the production from this sector will grow and contribute more to the nation's fish production.

3.3 Fishing Gears

Normally each fishing vessel in licensed to operate one fishing gear. However, there are fishing operations where more than one licensed fishing gear are being used. At the same time, there are also licensed fishing vessels being issued more than one fishing gear licence but at different seasons. The number of fishing licences issued for fishing gears will normally exceed the number of fishing vessels licensed. There was an increase in the total number of fishing gear licences issued in 2001 by 28.1% as compared to 2000 (24,722 units in 2000 to 31,681 in 2001).

3.4 Marine Fish Landings

The total marine landings decreased 4.23% from 1,285,696 tonnes in 2000 to 1,231,289 tonnes in 2001. In terms of value, there was a slight reduction of 5.3% from RM 4.399 billion in 2000 to RM 4.166 billion in 2001. Commercial fishing vessels operating trawls and fish purse seiners comprising of only 22% of the total fishing vessels produced 75.6% of the total marine fish

landings. There was a slight decrease in the landings of trawlers by 4.85% from 710,379 tonnes in 2000 to 675,957 tonnes in 2000. Landings from the purse seiners also dropped by 2.01% from 260,378 tonnes in 2000 to 255,149 tonnes in 2001.

TABLE 1 : LANDINGS AND VALUES OF INSHORE FISHERIES, 2001

	Quantity (Tonnes)	Value (RM)
West Coast Peninsular Malaysia	446,542	1,658,232,613
East Coast Peninsular Malaysia	311,911	950,778,404
Peninsular Malaysia	**758,453**	**2,609,011,017**
Sabah	172,789	615,958,557
Sarawak	123,571	396,310,675
Federal Territory Labuan	8,550	35,792,584
Total	**1,063,363**	**3,657,072,833**

The bulk of the marine production is accounted for by the inshore fisheries (Table 1), which, in 2000, recorded a drop of 4.6% from 1,114,669 tonnes in 2000 to 1,063,363 tonnes contributing 86.36% of the total marine production. Over the last two decades, this sector of the marine fisheries remained the major source of fish landings accounting for over 80% annually. The traditional gears involving 24,757 units of fishing vessels produced only 300,183 tonnes in 2001.

Within the commercial sector of the inshore fisheries, landings from trawlers reduced by 4.66% of 2000 landings and there was also a significant decrease in the landings of purse seiners by 4.31%.

The deep sea fisheries (Table 2) covers fishing by vessels of 70 GRT and above operating trawl nets, purse seines (except anchovy purse seine) hooks and lines at a distance of beyond 30 nautical miles from the coast. It contributed a total of 167,926 tonnes of fish in 2000 which was 13.6% of the total marine fish landing of Malaysia, and showed a slight reduction of 1.8%

compared to the preceeding year. The value of deep-sea fisheries decreased by 0.62% from RM 512.21 million in 2000 to RM 509.04 million in 2001. This contributed to 12.2% of the total value of marine fish landed in Malaysia in 2001.

Within the deep-sea fishing sector, landings from vessels operating trawlers reported a drop of 6.06% from 94,784 tonnes in 2000 to 89,038 tonnes in 2001. However, landing from purse seiners had a small increased by 3.6% from 75,659 tonnes in 2000 to 78,389 tonnes in 2001.

TABLE 2 : LANDINGS AND VALUES OF DEEP-SEA FISHERIES BY GEAR GROUP, 2001

	Trawl Nets 70 GRT & Above		Fish Purse Seine 70 GRT & Above		Hooks & Lines 70 GRT & Above		Total	
	Quantity (Tonnes)	Value (RM)	Quantity (Tonnes)	Value (RM)	Quantity (Tonnes)	Value (RM)	Quantity (Tonnes)	Value (RM)
West Coast of Pen. Malaysia	26,626	68,404,250	15,858	56,147,785	0	0	42,484	124,552,035
East Coast of Pen. Malaysia	30,363	78,004,892	55,901	197,926,430	0	0	86,264	275,931,322
Peninsular Malaysia	56,989	146,409,142	71,759	254,074,215	0	0	128,748	400,483,357
Sabah	0	0	5,068	17,944,065	189	1,039,942	5,257	18,984,007
Sarawak	31,773	81,627,291	1,054	3,731,856	310	1,705,725	33,137	87,064,872
Federal Territory Labuan	276	709,065	508	1,798,655	0		784	2,507,720
Total	**89,038**	**228,745,498**	**78,389**	**277,548,791**	**499**	**2,745,667**	**167,926**	**509,039,956**

4. AQUACULTURE

The aquaculture sector has a large potential and can contribute significantly to the country's total fish requirement in future. Careful planning and serious efforts have been made to develop this sector, especially in the area of industrial scale aquaculture, through the participation of the private sector. However, equal emphasis will also be given to improving the aquaculture output from small and medium scale farms through intensification of production using modern technologies and sustainable management practices.

4.1 Aquaculture Production

Aquaculture production for the year 2001 continued to be influenced by the production of cockles and fish from freshwater pond culture. The total production was 177,019 tonnes valued at RM 1,206 million, which was an increase of 5.43% over the 2000 output of 167,894 tonnes. This contributed 12.6% to the overall fish production in the country.

A total of 22,108 fish farmers/culturists were involved in the aquaculture industry in 2001, increasing by 1.53% from 21,774 fish farmers/culturists in 2000. The bulk of the culturists were involved in the freshwater sector accounting for 77.6% of all fish farmers/culturists.

4.2 Freshwater culture

Freshwater aquaculture contributed 24.5% of the total aquaculture production in 2001. It dropped by 14.3% from 50,688 tonnes in 2000 to 43,456 tonnes in 2001. In terms of value, it recorded RM 248.58 million, which was 18.5% higher compared to the previous year, and contributed 20.6% to the total value of aquaculture production.

Freshwater pond culture spearheaded production from freshwater systems with 78% (33,882 tonnes) of the total freshwater production, decreasing 12.8% when compared to the production recorded in 2000. In terms of value, it recorded a decrease of 18.18% from RM 251.65 million to RM 205.88 million. The major freshwater species cultured were Catfish (11,6142 tonnes), Red Tilapia (8,497 tonnes), Eels (2,358 tonnes) and Black Tilapia (2,034 tonnes).

Production from **ex-mining pools** went down by 21.85% from 6,437 tonnes in 2000 to 5,034 tonnes in 2001 posting a value of RM 17.3 million a drop by 23.5% from RM22.6 million in 2000. Major species produced were Red Tilapia (1,967 tonnes) followed by Big Head Carp (1,073 tonnes) and Black Tilapia (795 tonnes).

Freshwater cage culture, which contributed 7.39% to the overall freshwater production, also registered a decrease of 18.3%, from 3,929 tonnes in 2000 to 3,210 tonnes in 2001. Major species produced were Red Tilapia (1,677 tonnes) followed by River Catfish (809 tonnes).

Freshwater tank and pen culture systems together provided 1,329 tonnes of mainly Red Tilapia and walking catfish. Freshwater tank culture is gaining popularity in Johor,Terengganu and Negeri Sembilan.

4.3 Brackishwater / Marine Culture

In 2001, the brackishwater and marine sectors contributed 117,206 tonnes or 75.45% of the total aquaculture production. This was an increase by 13.96% from 2000

Cockle harvest increased by 9.97% from 64,396 tonnes in 2000 to 70,815 tonnes in 2001. Perak contributed 72.8% or 51,583 tonnes of the total cockle harvest while Penang contributed 11,599 tonnes and Selangor 6,922 tonnes.

Production from **brackishwater pond** culture moved up significantly by 67.3% from 17,418 tonnes in 2000 to 29,148 tonnes in 2001. The value also increased by 58.9%, from RM 495.2 million to RM 787 million. Sabah led other state with a production of 5,639 tonnes.

Production from **brackishwater cage** culture was 7,591 tonnes a reduction from 7,965 tonnes in 2000. The value decreased slightly by 2.6% from RM 105.37 million to RM 102.7 million in 2001. Pulau Pinang registered a production of 2,093 tonnes

Mussels production decreased from 11,068 tonnes in 2000 to 6,880 tonnes in 2001. Johore was the main producer with production of 6,616 tonnes, contributing 96.0% of the total mussels harvest.

Total **oyster** production in 2001 was 264 tonnes with a value of RM1.69 million. Terengganu registered a production of 114 tonnes

4.4 Ornamental Fish

The total production of ornamental fish increased by 10.4% from 306,096,870 pieces in 2000 to 338,055,460 pieces in 2001. In terms of value, the increase was 12.6% from RM71.95 million in 2000 to RM81.03 million in 2001. Johor remained as the main producer of ornamental fish contributing 263,760,236 pieces, which was 78% of the total production of ornamental fish in 2001.

5. FISH SEED PRODUCTION

Production of freshwater fingerlings from government hatcheries in 2001 amounted to 14.7 million pieces. The main species bred were Javanese carp, walking catfish, and red tilapia.

Production of brackishwater fish/prawn fry and fingerlings from government hatcheries in 2001 was 223.3 million pieces. The main species produced were barramundi , tiger prawn and giant freshwater prawn. A large number freshwater fry amounting to 2.58 million pieces were released to public water bodies.

6. PUBLIC WATERBODIES/INLAND FISHERIES

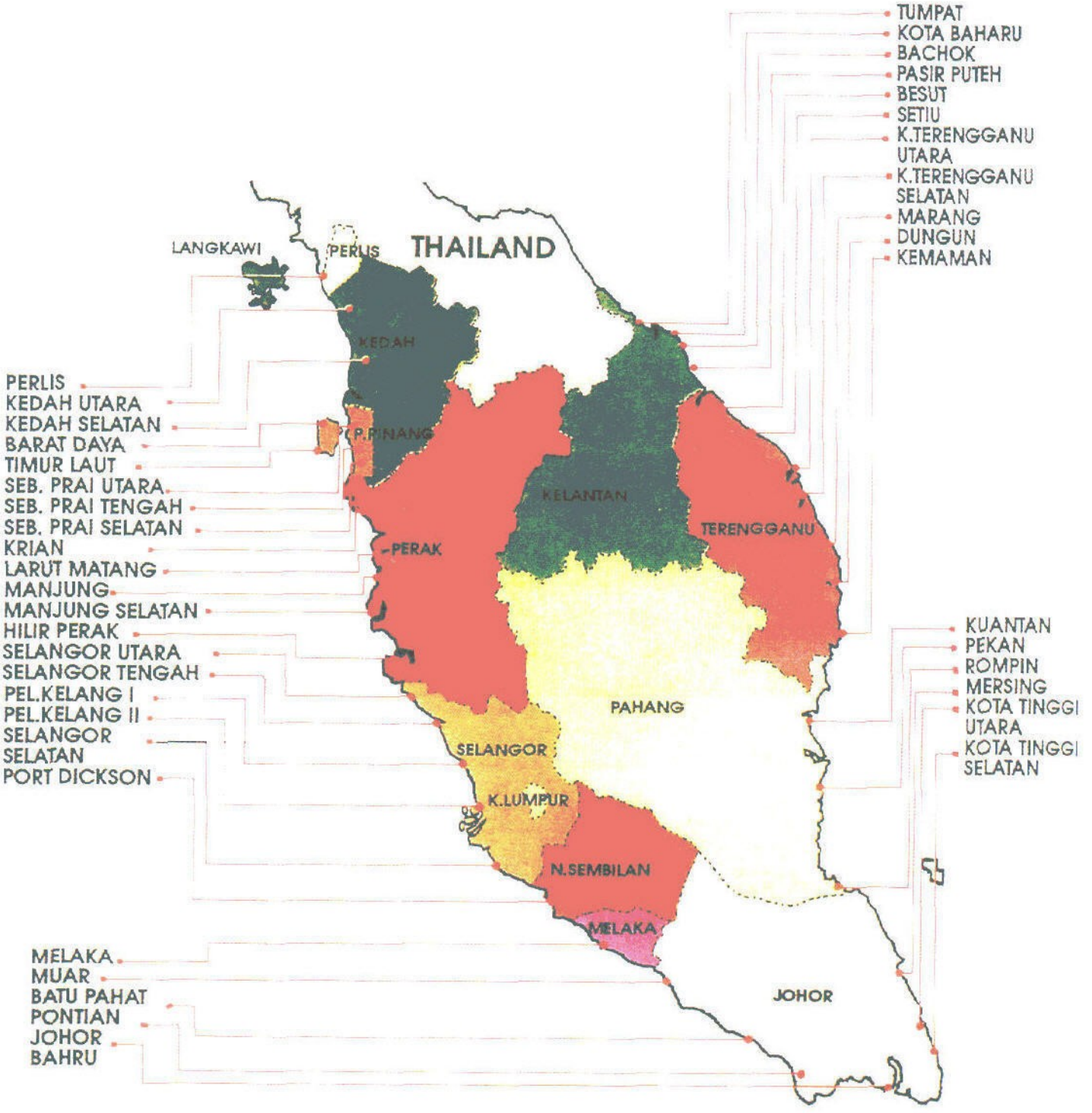
Public waterbodies/inland fisheries refers to the landing of fish from public waterbodies i.e. rivers, lakes, ex-mining pools and dams. The landings from public waterbodies/inland fisheries decreased from 3,549 tonnes in 2000 to 3,446 tonnes in 2001 i.e. a drop of 2.9%. Perak produced 1,247 tonnes or 36.2% of the total landings.

FISHERIES LANDING/PRODUCTION AND VALUE, MALAYSIA,2001

	QUANTITY (TONNES)	VALUE (RM)
Marine Capture Fisheries		
Inshore	1,063,363	3,657,072,833
Deep Sea	167,926	509,039,956
Total Marine Capture Fisheries	**1,231,289**	**4,166,112,789**
Freshwater Aquaculture		
Ponds	33,882	205,877,650
Cages	3,210	19,642,150
Ex-Mining Pools	5,035	17,304,430
Cement Tanks	862	3,570,870
Pen Culture	467	2,182,870
Total Freshwater Aquaculture	**43,456**	**248,577,970**
Brackish/Marine Aquaculture		
Ponds	29,148	787,020,720
Cages	7,592	102,726,960
Cockles	70,816	55,731,480
Mussels	6,880	3,299,800
Oysters	264	1,687,160
Seaweeds	18,863	7,545,120
Total Brackishwater/Marine Aquaculture	**133,563**	**958,011,240**
Total Aquaculture	**177,019**	**1,206,589,210**
Total Marine & Aquaculture Production	**1,408,308**	**5,372,701,999**
Landing Of Freshwater Fish (Public Water Bodies)	3,446	n.a
Total Food Fish	**1,411,754**	
Ornamental Fish*	**338,055,460**	**81,032,996**
Cockle Seeds	2,253	n.a
Grand Total	-	**5,453,734,995**

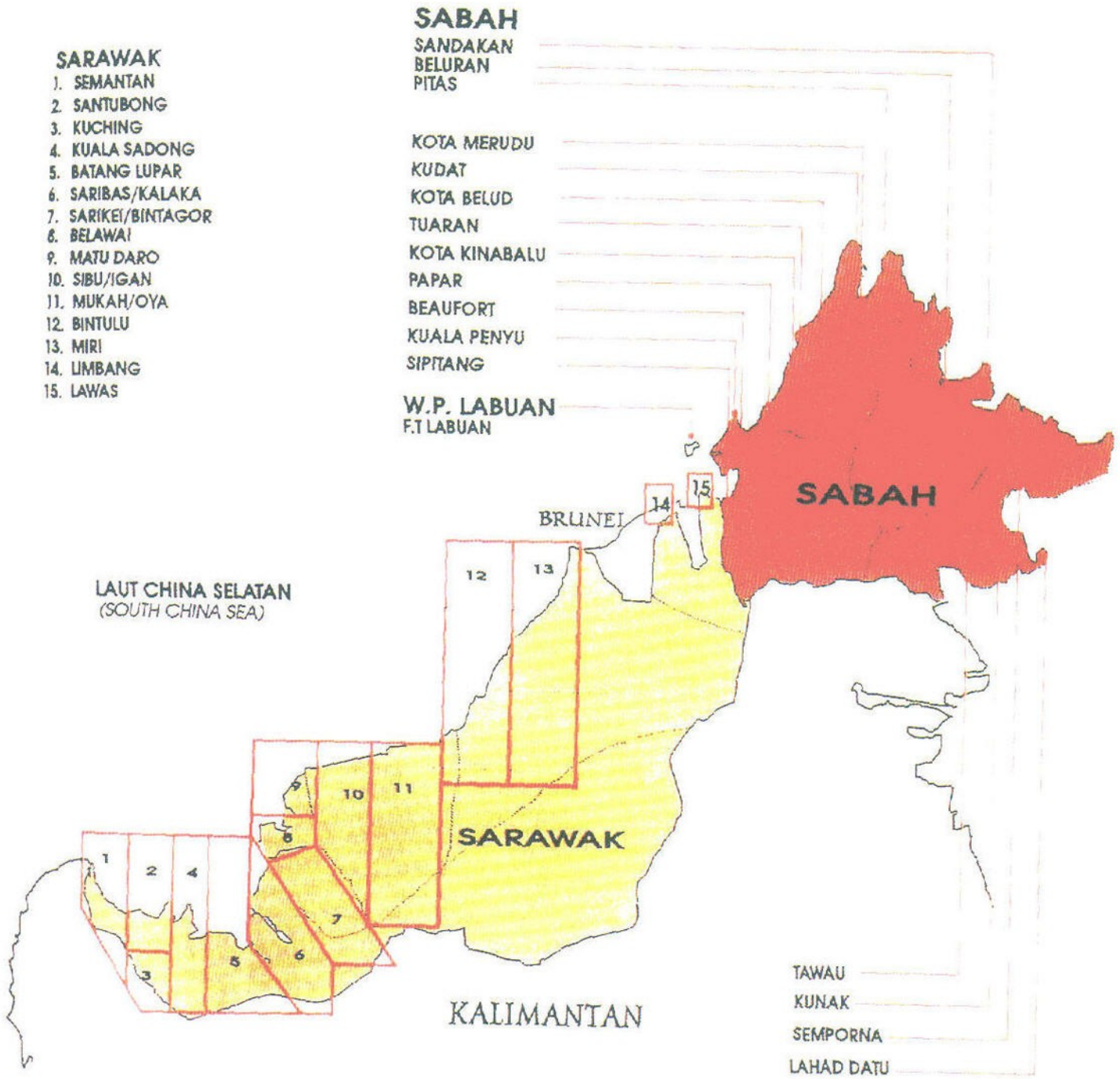
n.a: Not Available
* Quantity In Pieces

MALAYSIA - DAERAH-DAERAH PERIKANAN
Malaysia - Fisheries Districts



Sempadan Negeri ——————— *State Boundary*

Sempadan Daerah Perikanan ——————— *Fisheries Administrative Districts*


SABAH
SANDAKAN
BELURAN
PITAS
KOTA MERUDU
KUDAT
KOTA BELUD
TUARAN
KOTA KINABALU
PAPAR
BEAUFORT
KUALA PENYU
SIPITANG
W.P. LABUAN
F.T LABUAN
SARAWAK
1. SEMANTAN
2. SANTUBONG
3. KUCHING
4. KUALA SADONG
5. BATANG LUPAR
6. SARIBAS/KALAKA
7. SARIKEI/BINTAGOR
8. BELAWAI
9. MATU DARO
10. SIBU/IGAN
11. MUKAH/OYA
12. BINTULU
13. MIRI
14. LIMBANG
15. LAWAS
SABAH
BRUNEI
LAUT CHINA SELATAN
(SOUTH CHINA SEA)
SARAWAK
KALIMANTAN
TAWAU
KUNAK
SEMPORNA
LAHAD DATU

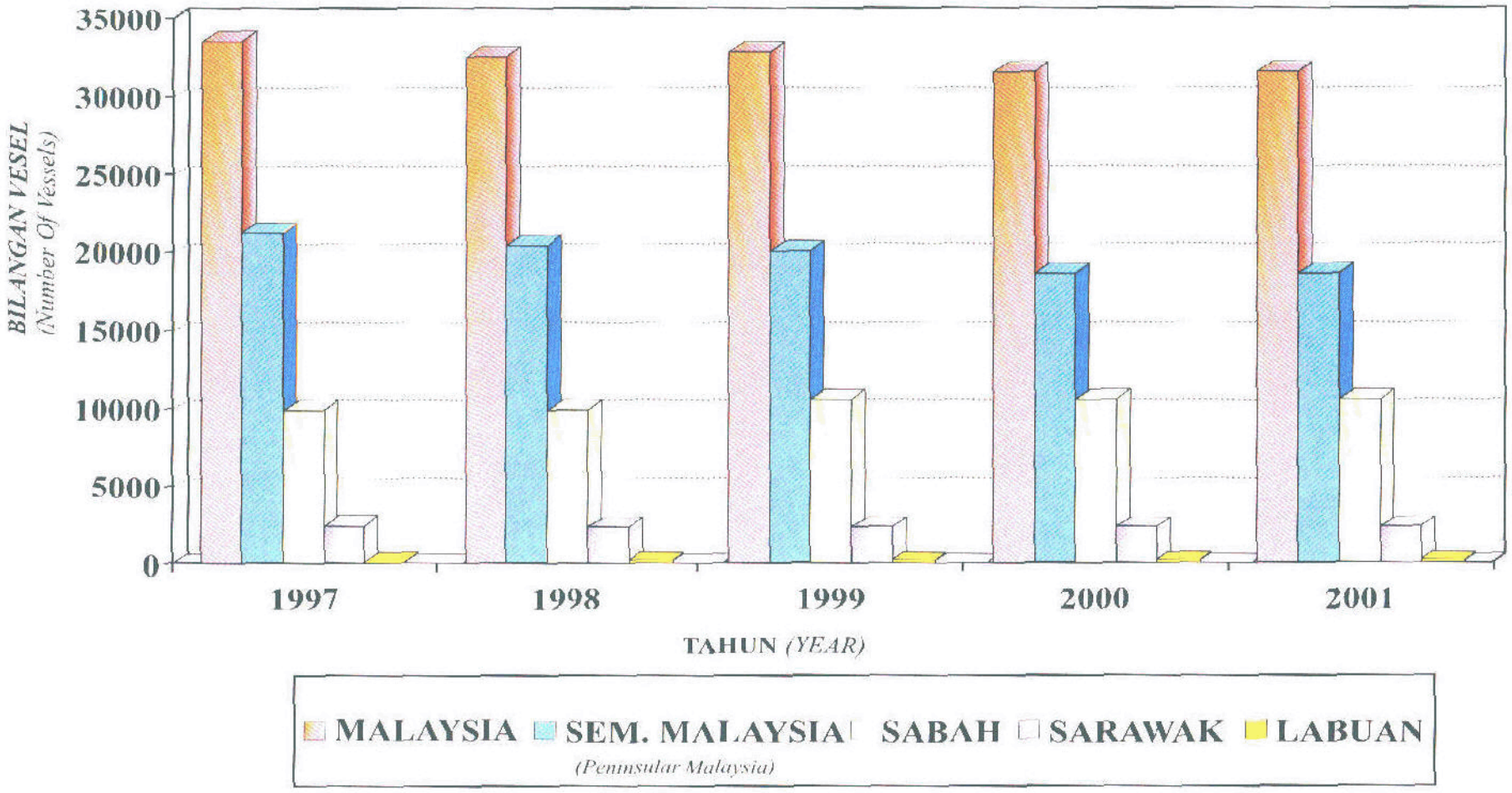
Carta 1

Chart 1

BILANGAN VESEL MENANGKAP IKAN YANG DILESENKAN, 1997-2001

(NUMBER OF FISHING VESSELS LICENCED, 1997-2001)

MALAYSIA



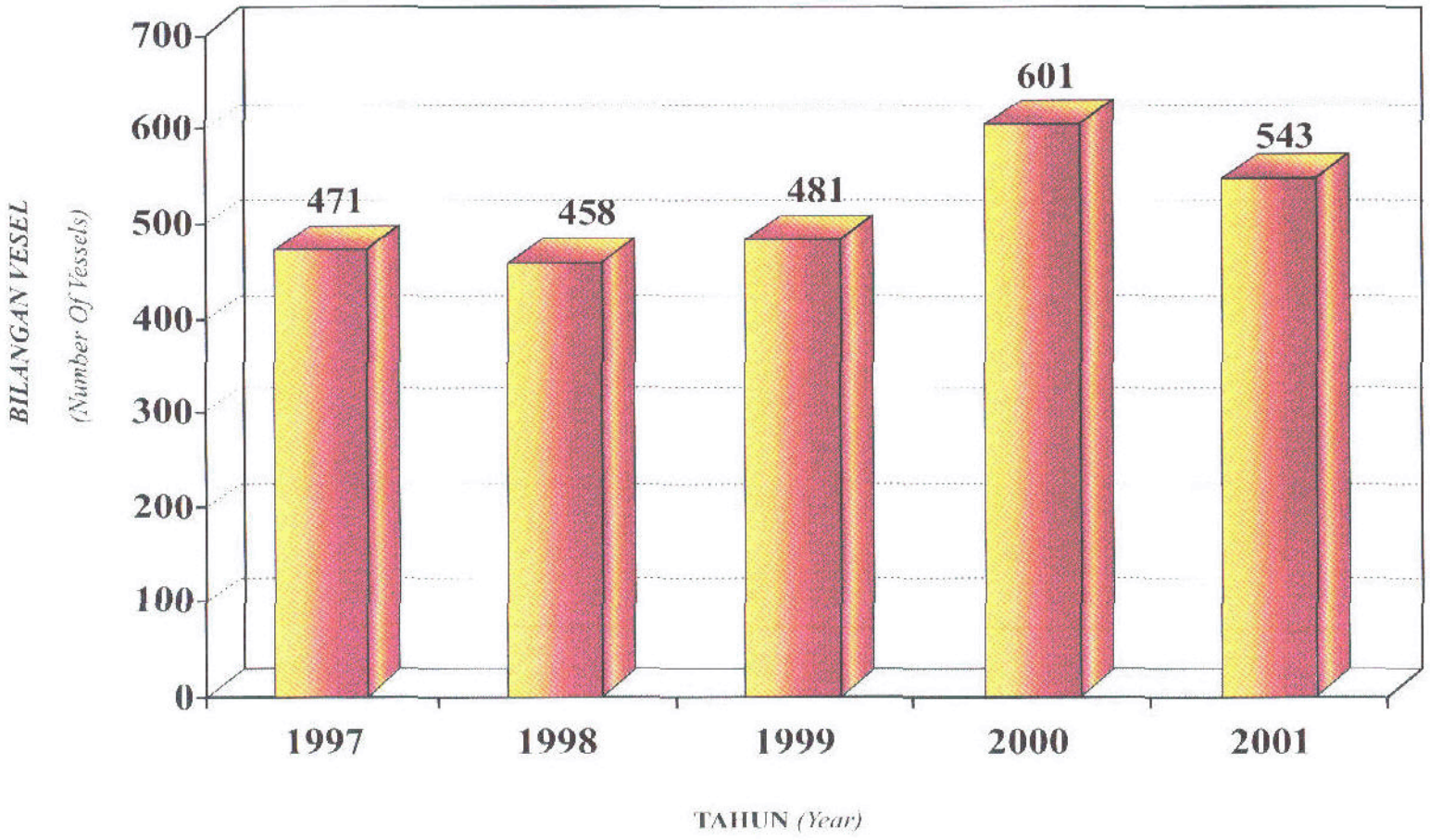
Carta II

Chart II

BILANGAN VESEL LAUT DALAM YANG DILESENKAN, 1997-2001

(NUMBER OF DEEP-SEA VESSELS LICENCED, 1997-2001)

MALAYSIA

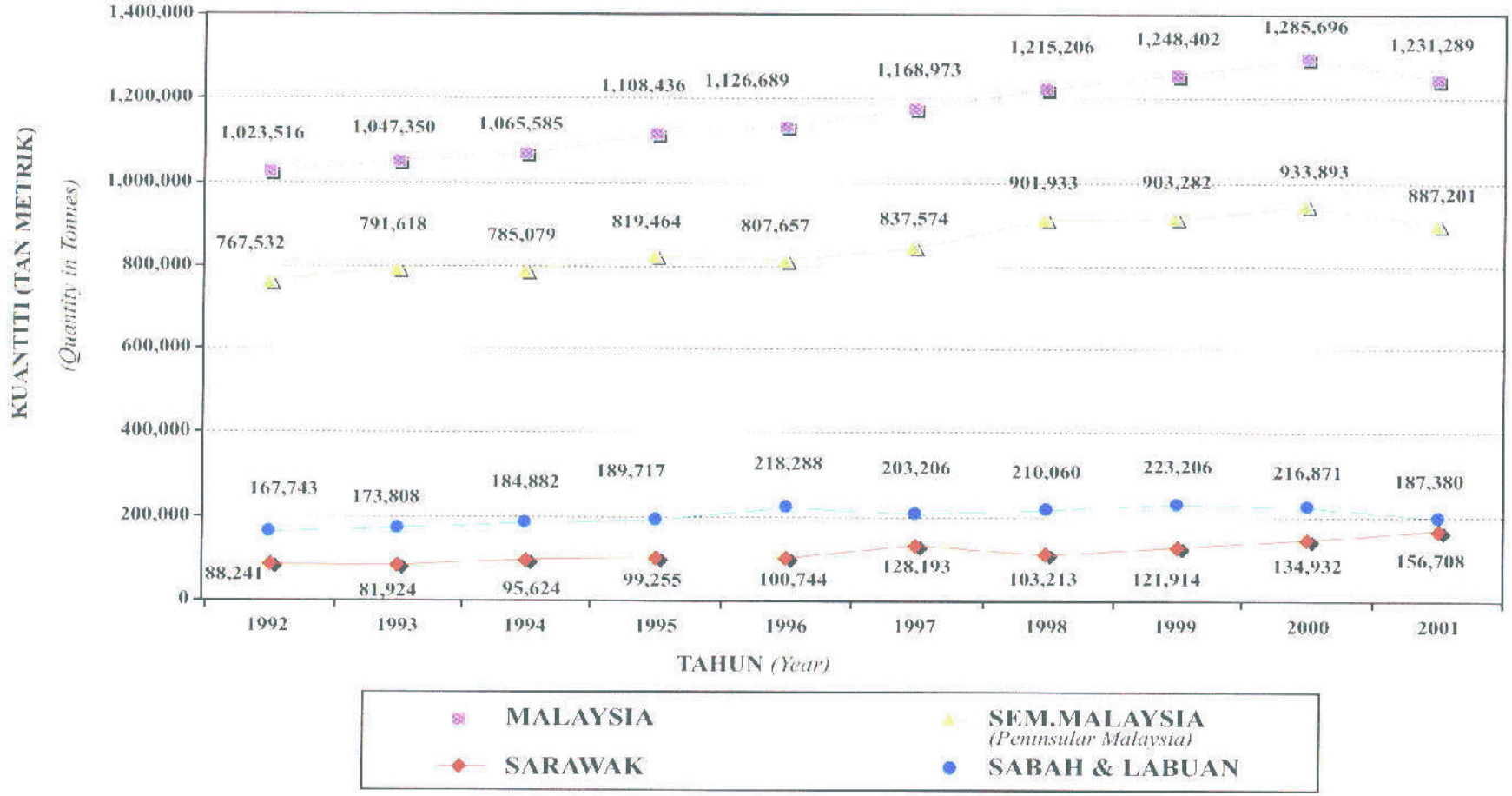


Carta III
Chart III

ARAH ALIRAN PENDARATAN IKAN LAUT, 1992-2001

(TREND OF MARINE FISH LANDINGS, 1992-2001)

MALAYSIA

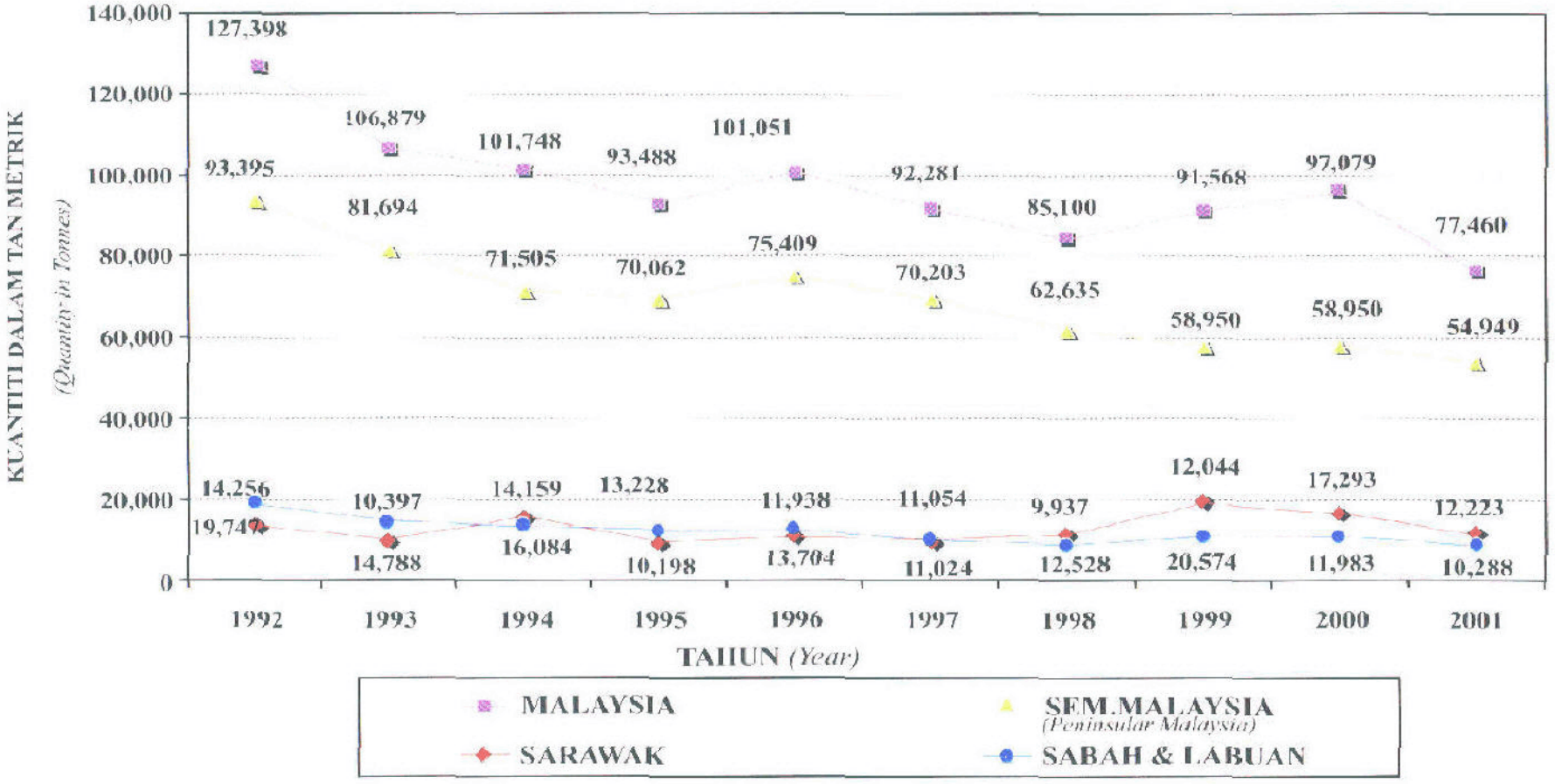


Carta IV
Chart IV

ARAH ALIRAN PENDARATAN UDANG, 1992-2001

(TREND OF PRAWN LANDINGS, 1992-2001)

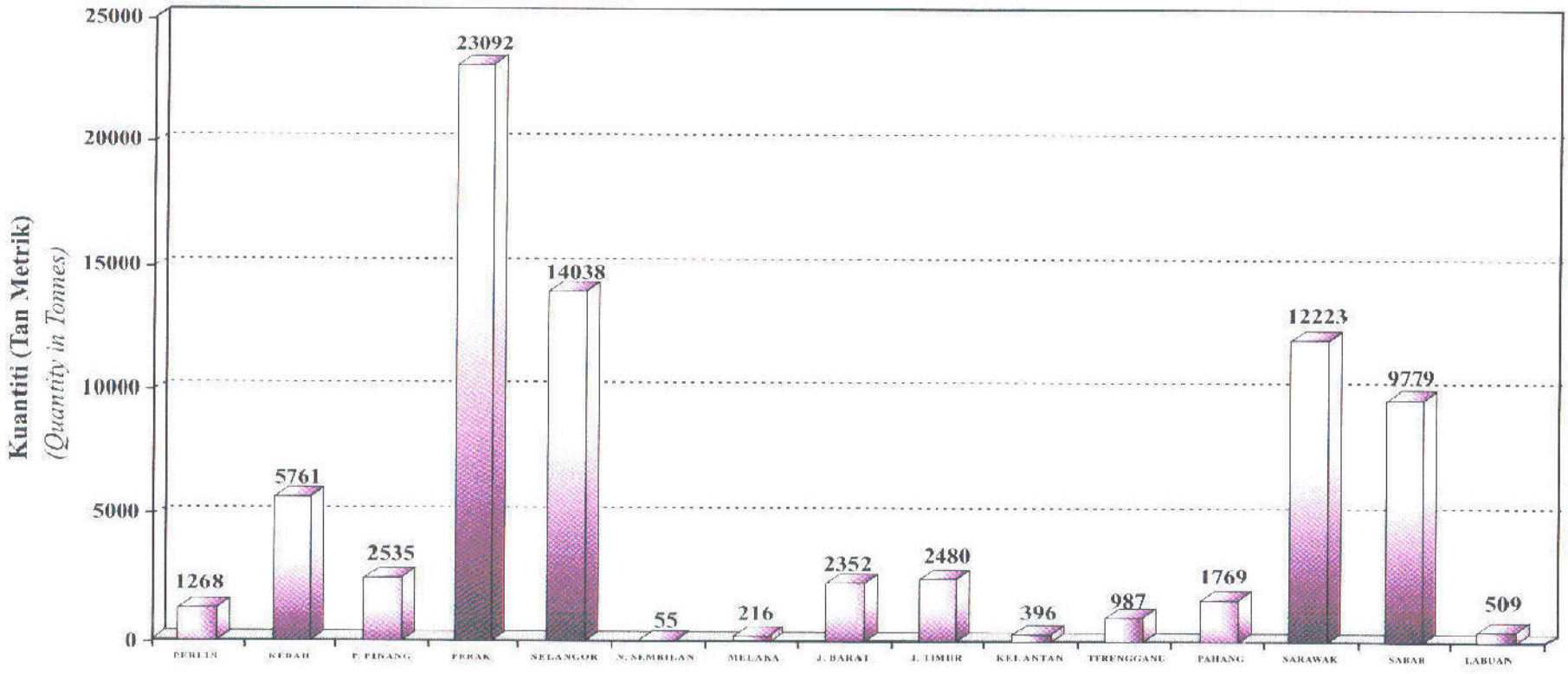
MALAYSIA



Carta V
Chart V

PENDARATAN UDANG, 2001
(PRAWN LANDINGS, 2001)

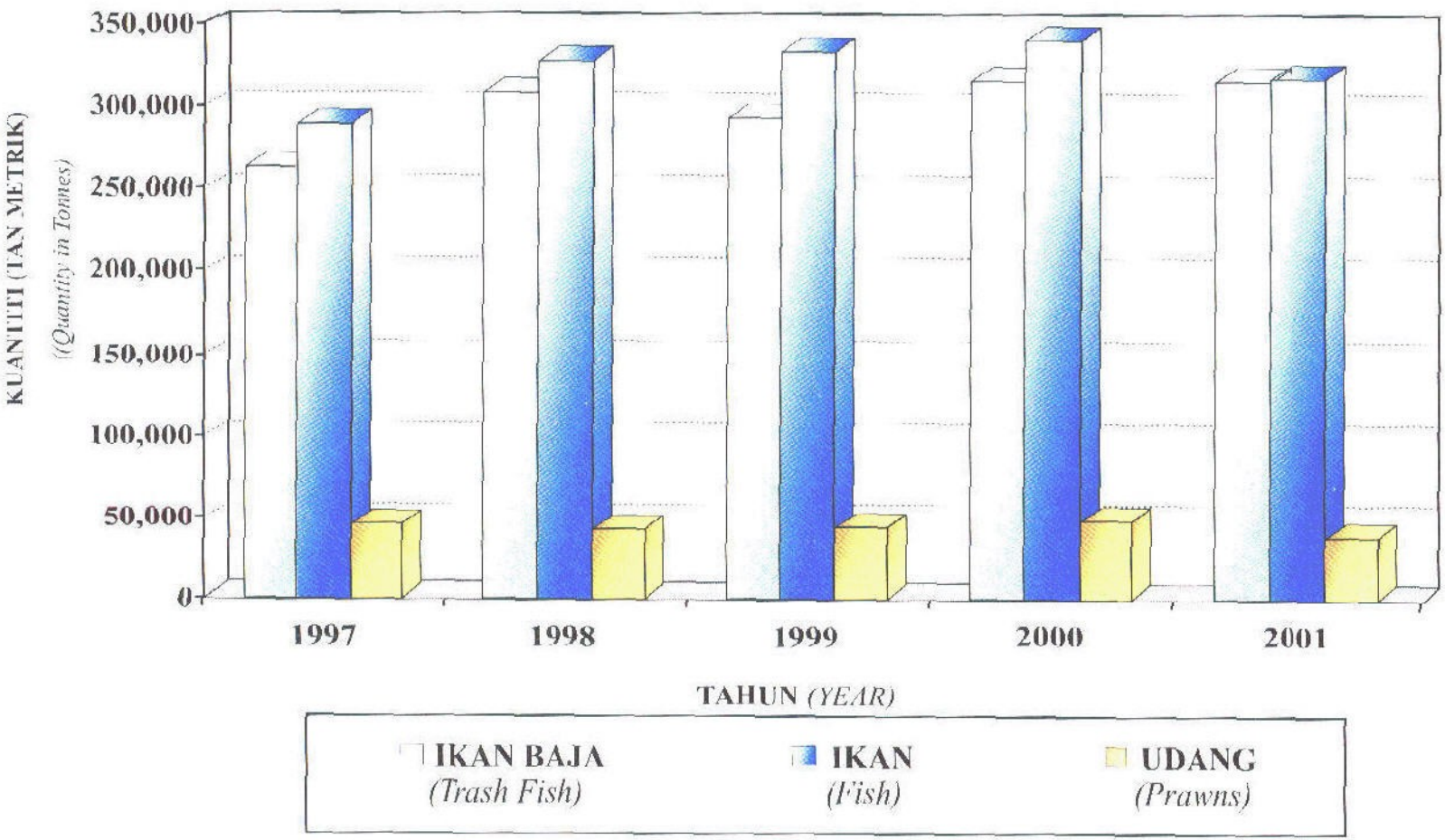
MALAYSIA



Carta VI
Chart VI

PENDARATAN PUKAT TUNDA, 1997-2001
(TRAWL LANDINGS, 1997-2001)

MALAYSIA

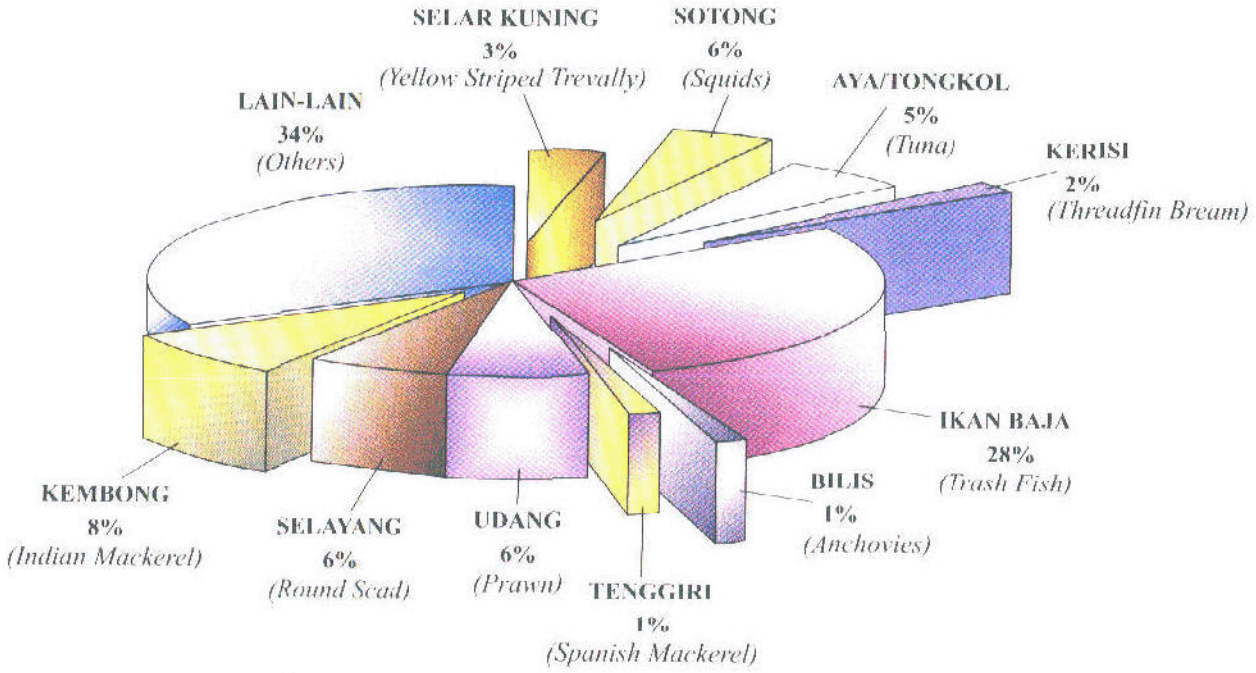


Carta VII
Chart VII

PENDARATAN IKAN LAUT MENGIKUT SPESIS UTAMA, 2001

(LANDINGS OF MARINE FISH BY MAIN SPECIES, 2001)

MALAYSIA



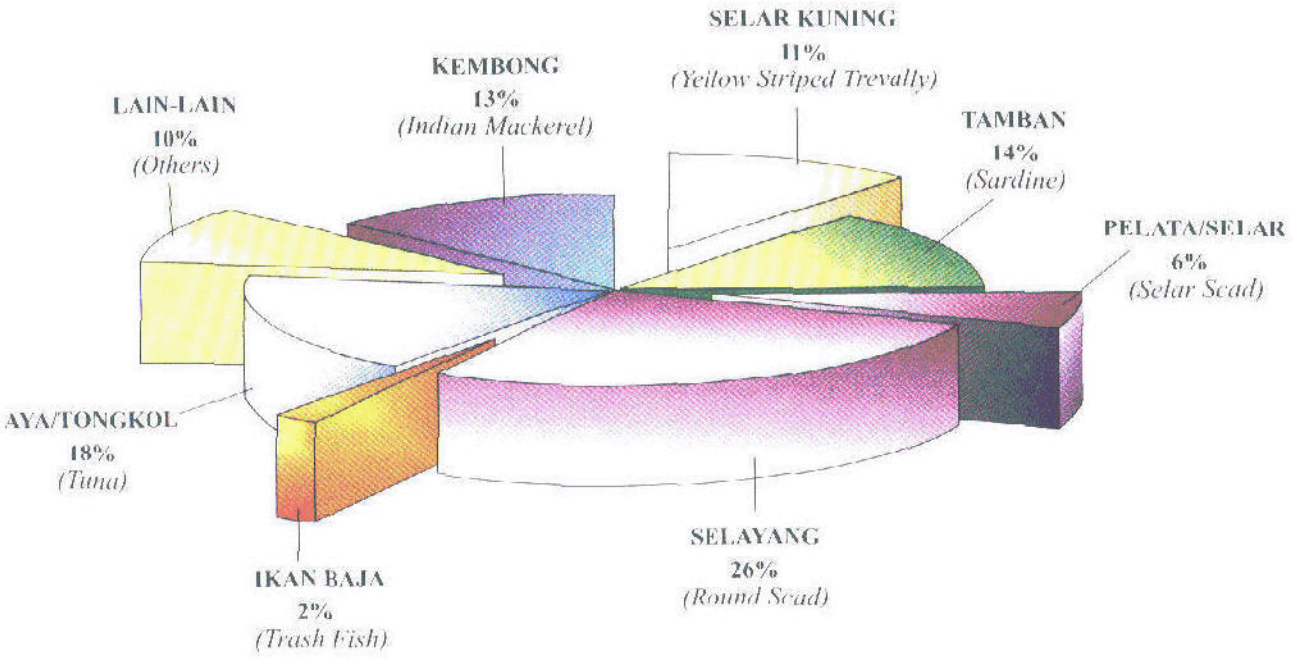
Carta VIII

Chart VIII

PENDARATAN PUKAT JERUT IKAN MENGIKUT SPESIS UTAMA, 2001

(FISH PURSE SEINE LANDINGS BY MAIN SPECIES, 2001)

MALAYSIA



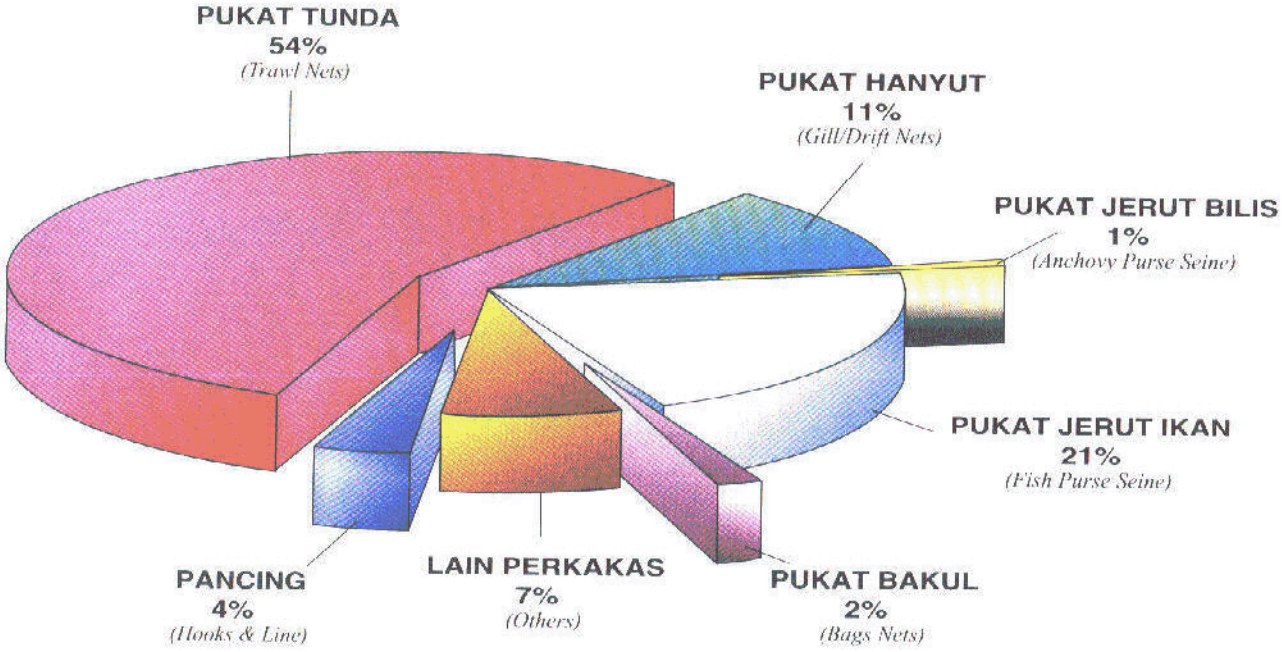
Carta IX

Chart IX

PENDARATAN IKAN LAUT MENGIKUT KUMPULAN PERKAKAS, 2001

(LANDINGS OF MARINE FISH BY GEAR GROUP, 2001)

MALAYSIA

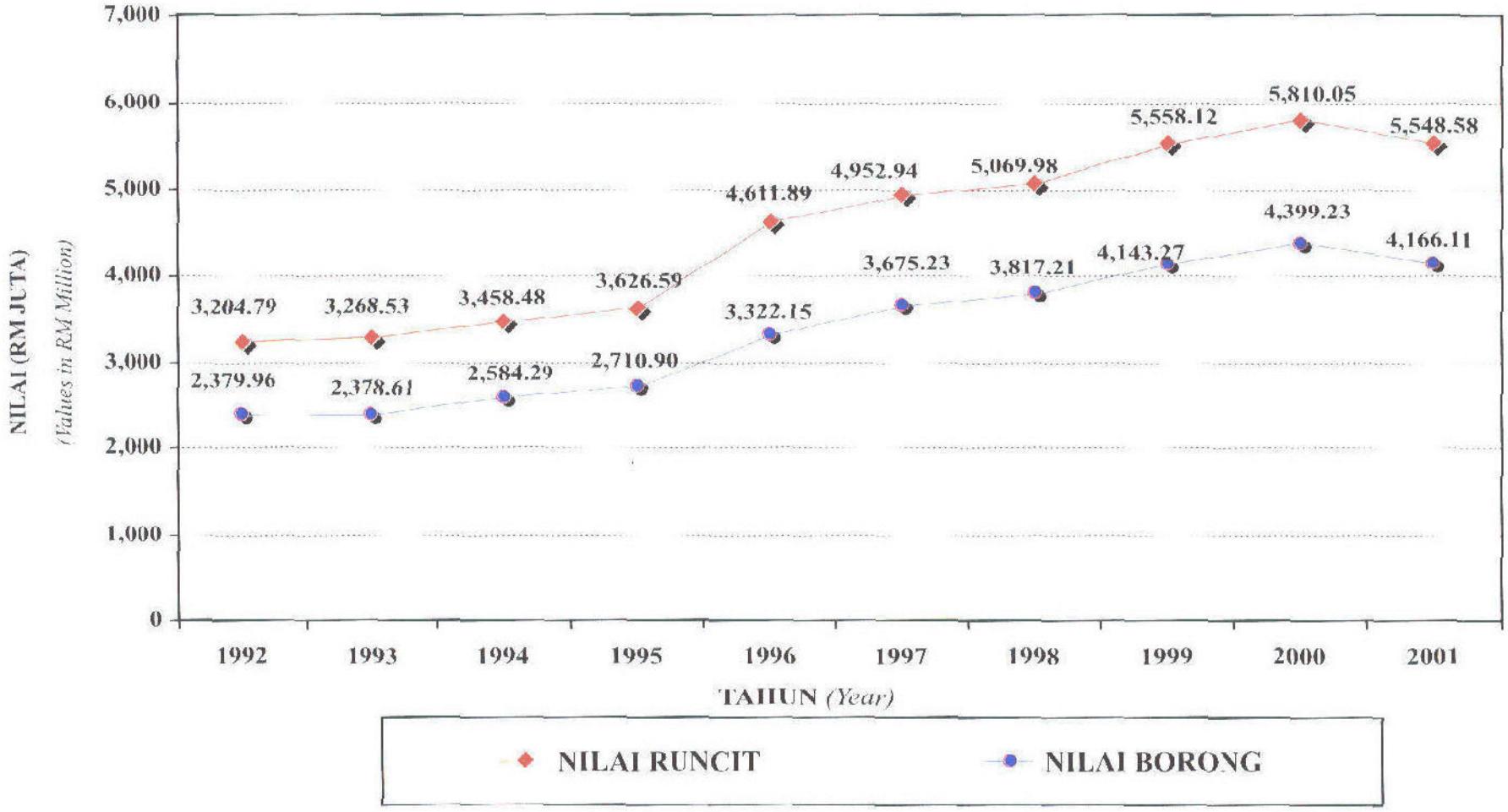


Carta X
Chart X

ARAH ALIRAN NILAI PASARAN IKAN LAUT, 1992-2001

(TREND OF MARKET VALUES OF MARINE FISH, 1992-2001)

MALAYSIA

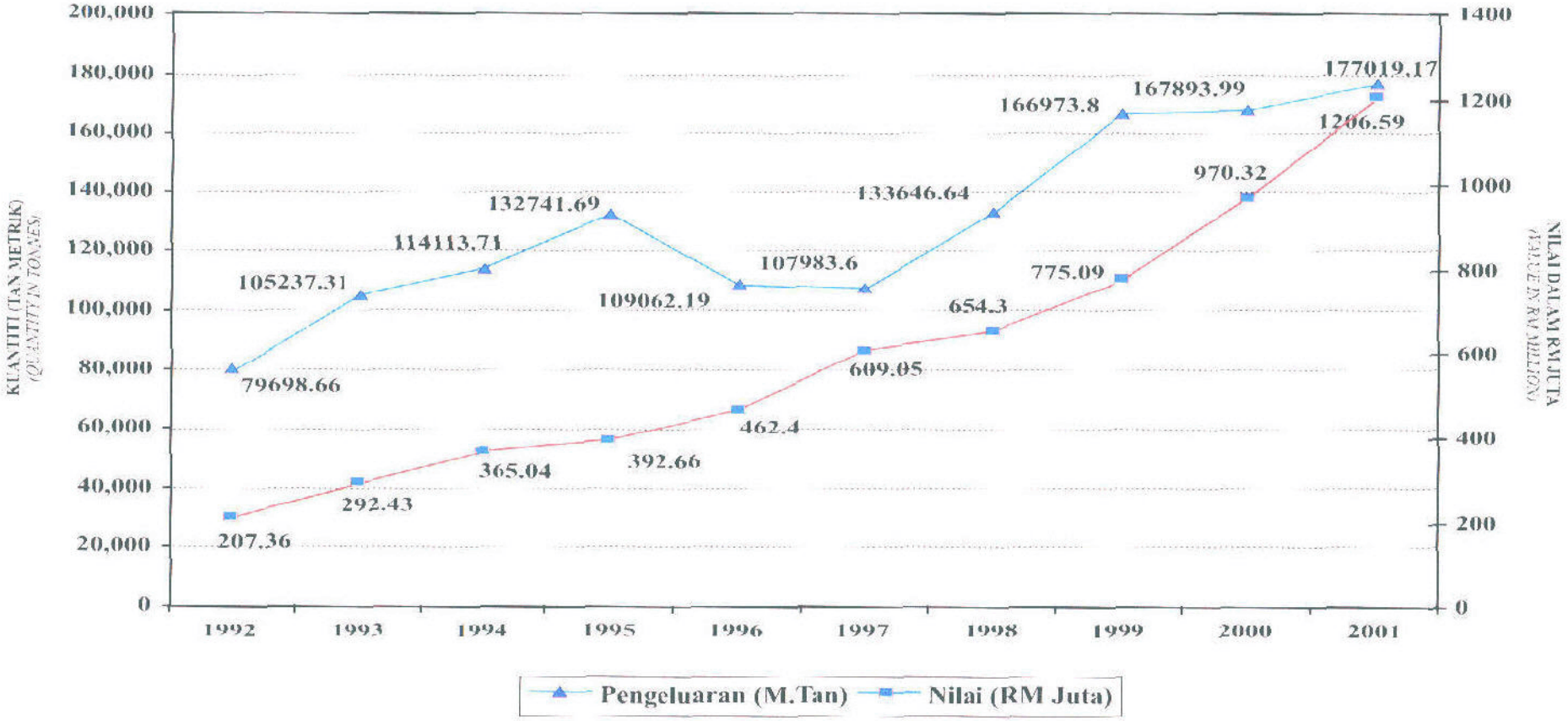


Carta XI
Chart XI

ANGGARAN NILAI DAN PENGELUARAN AKUAKULTUR DARIPADA SEMUA SISTEM AKUAKULTUR, 1992-2001

(ESTIMATED VALUE AND AQUACULTURE PRODUCTION FROM ALL AQUACULTURE SYSTEM, 1992-2001)

MALAYSIA

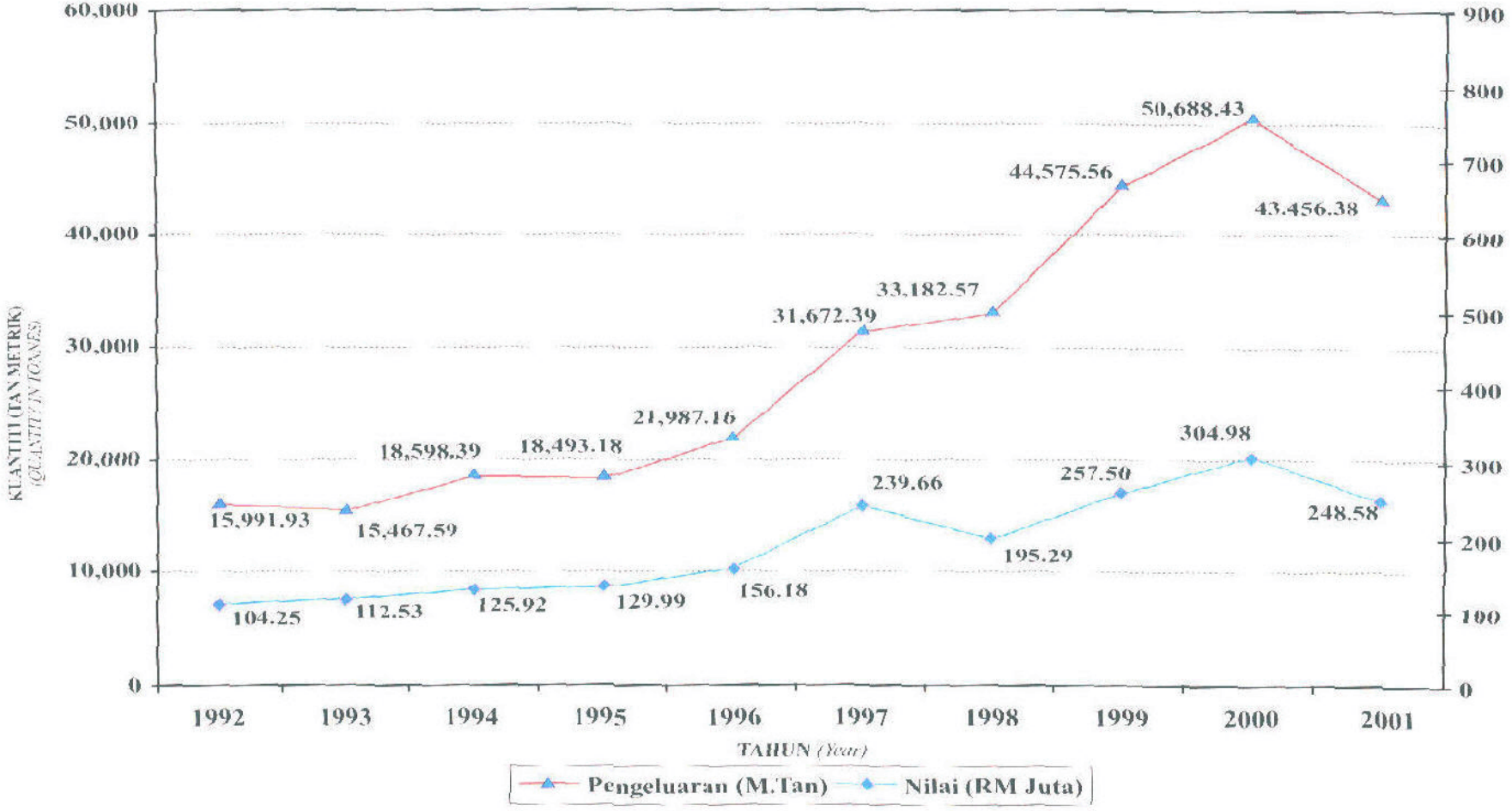


Carta XII
Chart XII

ANGGARAN PENGELUARAN DAN NILAI IKAN AIRTAWAR DARI SEMUA SISTEM AKUAKULTUR AIRTAWAR, 1992-2001

(ESTIMATED PRODUCTION AND VALUE OF FRESHWATER FISH FROM ALL FRESHWATER AQUACULTURE SYSTEM, 1992-2001)

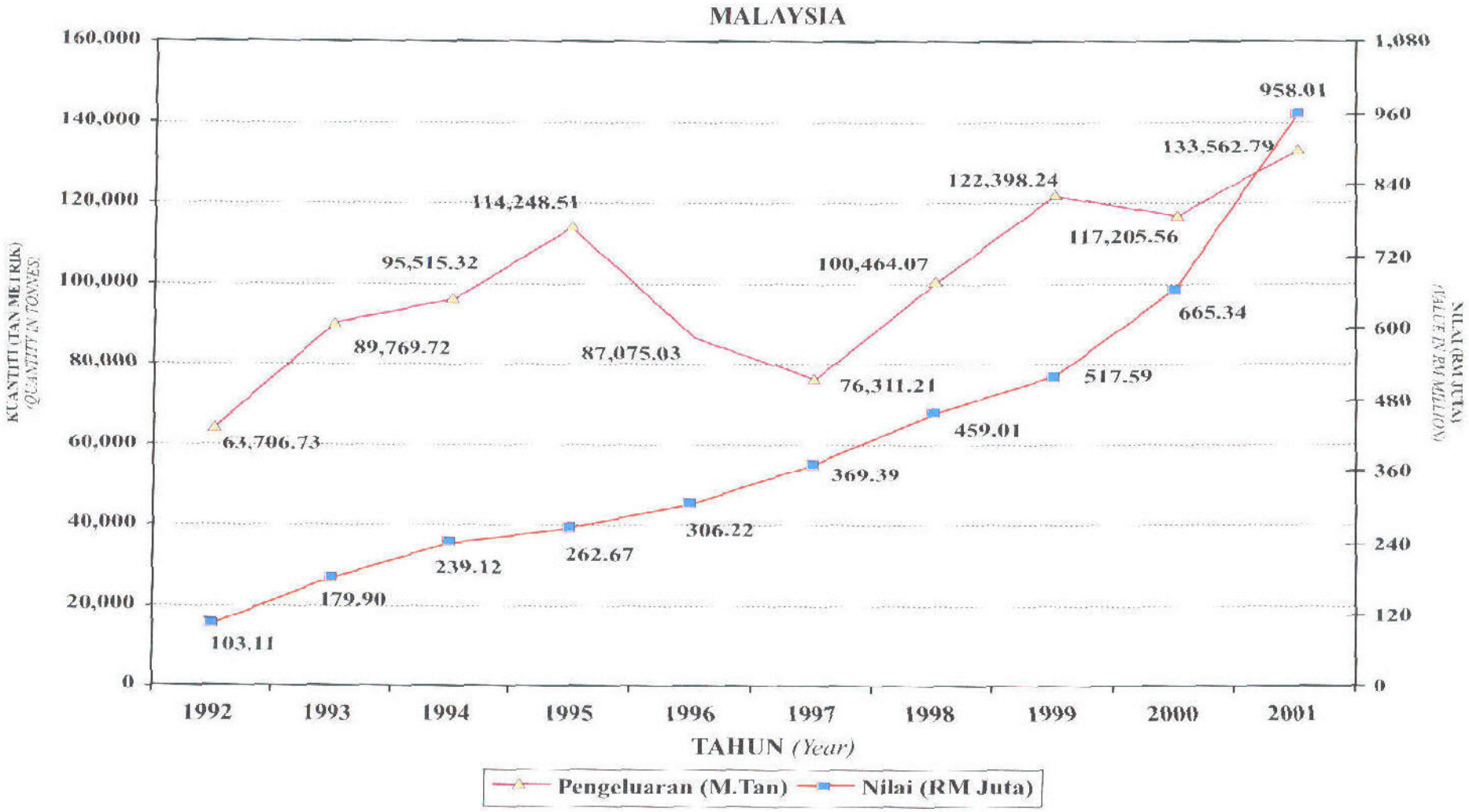
MALAYSIA



Carta XIII
Chart XIII

ANGGARAN PENGELUARAN DAN NILAI TERNAKAIR DARI SEMUA SISTEM AKUAKULTUR AIRPAYAU, 1992-2001

(ESTIMATED PRODUCTION AND VALUE OF AQUACULTURE FROM ALL BRACKWISHWATER AQUACULTURE SYSTEM, 1992-2001)



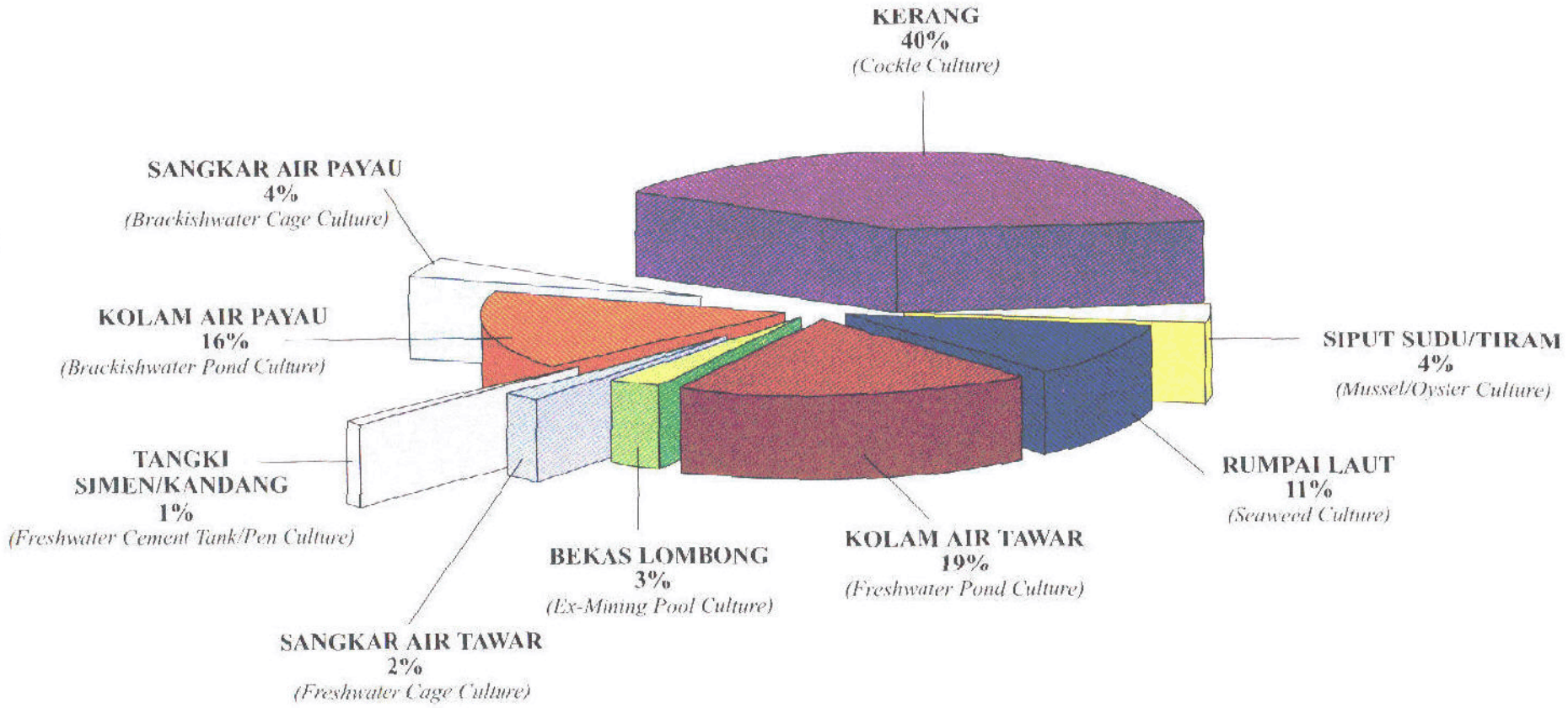
Carta XIV

Chart XIV

PENGELUARAN AKUAKULTUR MENGIKUT SISTEM TERNAKAN, 2001

(PRODUCTION OF AQUACULTURE BY CULTURE SYSTEMS, 2001)

MALAYSIA



PERIKANAN LAUT

MARINE FISHERIES

Jadual *(Table)* **1.1**

MALAYSIA

BILANGAN NELAYAN YANG BEKERJA DI ATAS VESEL BERLESEN, 2001

NUMBER OF FISHERMEN WORKING ON LICENSED VESSELS, 2001

Negeri/ *State* **Keturunan** *Ethnic Group*	**Pantai Barat/***West Coast*								**Jumlah Kecil** *Sub-Total*	**Pantai Timur/***East Coast*				**Jumlah Kecil** *Sub-Total*	Sarawak	Sabah	W.P Labuan *Federal Territory*	**Jumlah Kecil** *Sub- total*	**Jumlah Besar** *Grand Total*
	Perlis	Kedah	Pulau Pinang *Penang*	Perak	Selangor	Negeri Sembilan	Melaka	Johor Barat *West Johor*		Kelantan	Terengganu	Pahang	Johor Timur *East Johor*						
Bumiputera *Bumiputeras*	1,126	3,670	644	1,178	666	186	795	2,609	10,874	2,608	6,674	3,216	3,099	15,597	6,206	14,835	287	21,328	47,799
Cina *Chinese*	116	574	1,550	7,109	3,808	201	198	1,377	14,933	0	23	495	1,211	1,729	851	243	4	1,098	17,760
India *Indians*	0	1	24	78	106	22	0	3	234	0	0	1	2	3	0	0	0	0	237
Portugis *Portuguese*	0	0	0	0	0	3	41	0	44	0	0	0	0	0	0	0	0	0	44
Thai *Thais*	3,885	1,086	0	12	17	0	0	0	5,000	3,818	1,033	186	0	5,037	1,380	0	0	1,380	11,417
Indonesia *Indonesians*	0	0	0	0	28	0	28	0	56	0	0	0	0	0	1,249	0	13	1,262	1318
Filipina *Filipinos*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23	23	23
Lain-Lain *Others*	0	0	0	23	0	0	0	78	101	0	0	5	25	30	0	5,767	0	5,767	5,898
Jumlah Besar *Grand Total*	**5,127**	**5,331**	**2,218**	**8,400**	**4,625**	**412**	**1,062**	**4,067**	**31,242**	**6,426**	**7,730**	**3,903**	**4,337**	**22,396**	**9,686**	**20,845**	**327**	**30,858**	**84,496**

Nota:Bumiputera termasuk Orang Melayu dan Kumpulan Bumiputera Lain.

Note: Bumiputeras Including Malay and Other Indigenous Groups.

Jadual *(Table)* 1.2

MALAYSIA

BILANGAN NELAYAN YANG BEKERJA DI ATAS VESEL BERLESEN MENGIKUT KUMPULAN PERKAKAS DAN NEGERI, 2001

NUMBER OF FISHERMEN WORKING ON LICENCED VESSELS BY GEAR GROUP AND STATE, 2001

NEGERI / *State* Kumpulan Perkakas *Gear Group*	Perlis	Kedah	Pulau Pinang	Perak	Selangor	Negeri Sembilan	Melaka *Malacca*	Johor Barat *West Johor*	Kelantan	Terengganu	Pahang	Johor Timur *East Johor*	Jumlah kecil *Sub - Total*	Sarawak	Sabah	W.P Labuan *Federal Territory Labuan*	Jumlah kecil *Sub - Total*	Jumlah Besar *Grand Total*
Pukat Tunda *Trawl Nets*	1,173	1,783	202	3,677	1,856	0	0	486	647	851	1,527	1,435	13,637	4,762	5,123	45	9,930	**23,567**
Pukat Jerut Ikan *Fish Purse Seine*	3,262	460	188	696	140	0	0	0	62	18	952	762	6,540	485	1,011	38	1,534	**8,074**
Pukat Jerut Bilis *Anchovy P. Seine*	0	1,616	0	88	0	0	0	0	4,046	3,546	136	0	9,432	0	285	0	285	**9,717**
Lain-Lain P. Tarik *Other Seines*	0	7	379	1,108	35	1	0	2	54	151	5	0	1,742	0	201	93	294	**2,036**
Pukat Hanyut *Gill / Drift Nets*	623	1,434	1,270	2,276	2,048	358	1,020	3,229	0	0	521	1,738	14,517	3,843	6,134	0	9,977	**24,494**
Pukat Tangguk *Lift Nets*	0	2	0	0	0	0	0	0	1,099	1,033	18	3	2,155	0	1,394	4	1,398	**3,553**
Belat *Stationary Traps*	0	0	0	10	0	0	0	77	69	170	0	87	413	6	149	10	165	**578**
Bubu *Portable Traps*	5	0	14	26	2	21	0	80	0	0	266	35	449	18	462	102	582	**1,031**
Pancing *Hooks&Lines*	9	7	35	98	49	32	42	45	42	361	478	269	1,467	181	4,806	35	5,022	**6,489**
Pukat Bakul *Bag Nets*	0	20	64	107	317	0	0	101	407	1,574	0	2	2,592	307	0	0	307	**2,899**
Pukat Surung *Push/Scoop Nets*	0	0	2	5	0	0	0	0	0	0	0	0	7	18	0	0	18	**25**
Pukat Rentang *Barrier nets*	0	0	0	0	39	0	0	0	0	0	0	0	39	66	11	0	77	**116**
Memungut Siput *Shellfish Collection*	0	0	0	103	0	0	0	11	0	0	0	0	114	0	219	0	219	**333**
Pembawa ikan *Fish Carriers*	55	0	0	26	136	0	0	0	0	0	0	6	223	0	0	0	0	**223**
Rampaian *Miscellaneous*	0	2	64	180	3	0	0	36	0	26	0	0	311	0	1,050	0	1,050	**1,361**
Jumlah/Total	**5,127**	**5,331**	**2,218**	**8,400**	**4,625**	**412**	**1,062**	**4,067**	**6,426**	**7,730**	**3,903**	**4,337**	**53,638**	**9,686**	**20,845**	**327**	**30,858**	**84,496**

Jadual *(Table)* 1.3

MALAYSIA

BILANGAN NELAYAN YANG BEKERJA DI ATAS VESEL YANG BERLESEN MENGIKUT DAERAH PERIKANAN, 2001

NUMBER OF FISHERMEN WORKING ON LICENCED FISHING VESSELS BY FISHERIES DISTRICTS, 2001

Daerah - Daerah Perikanan *Fisheries Districts*	Bilangan Nelayan/*Number of Fishermen*				
	Bumiputera *Bumiputeras*	**Cina** *Chinese*	**India** *Indians*	**Lain-Lain** *Others*	**Jumlah** *Total*
SEMENANJUNG MALAYSIA *(PENINSULAR MALAYSIA)*					
1 Kuala Perlis	1,126	116	0	3,885	5,127
2 Langkawi	620	4	1	966	1,591
3 Kedah Utara	1,783	502	0	120	2,405
4 Kedah Selatan	1,267	68	0	0	1,335
5 Timur Laut/P.Pinang	120	249	16	0	385
6 Barat Daya/P.Pinang	197	411	1	0	609
7 Seberang Prai Utara	204	163	0	0	367
8 Seberang Prai Tengah	65	32	0	0	97
9 Seberang Prai Selatan	58	695	7	0	760
10 Kerian	304	1,941	3	0	2,248
11 Larut & Matang	64	1,772	35	0	1,871
12 Manjung	678	1,747	65	0	2,490
13 Hilir Perak	132	1,649	10	0	1,791
14 Selangor Utara	209	1,674	50	35	1,968
15 Selangor Tengah	113	738	2	0	853
16 Pelabuhan Kelang 1	3	710	0	0	713
17 Pelabuhan Kelang 2	128	524	1	0	653
18 Selangor Selatan	213	162	53	10	438
19 Port Dickson	186	201	22	3	412
20 Melaka	795	198	0	69	1,062
21 Muar	739	256	2	0	997
22 Batu Pahat	646	467	0	0	1,113
23 Pontian	492	521	0	24	1,037
24 Johor Bharu	732	133	1	54	920
25 Kota Tinggi Utara (Pengerang)	846	376	2	0	1,224
26 Kota Tinggi Selatan (Tg. Sedeli)	658	286	0	0	944
27 Mersing	1,595	549	0	25	2,169
28 Kuantan	1,646	245	1	186	2,078
29 Pekan	908	25	0	0	933
30 Kuala Rompin	662	225	0	5	892
31 Kemaman	1,208	3	0	88	1,299
32 Dungun	985	0	0	0	985
33 Marang	1016	0	0	136	1,152
34 Kuala Terengganu Utara	699	0	0	0	699
35 Kuala Terengganu Selatan	1,176	1	0	205	1,382
36 Besut	1,128	0	0	599	1,727
37 Setiu	462	19	0	5	486
38 Kota Bharu	826	0	0	503	1,329
39 Bachok& Pasir Putih	919	0	0	3,129	4,048
40 Tumpat	863	0	0	186	1,049
Jumlah Kecil *Sub-Total*	**26,471**	**16,662**	**272**	**10,233**	**53,638**

Daerah - Daerah Perikanan *Fisheries Districts*	Bilangan Nelayan/*Number of Fishermen*				
	Bumiputera *Bumiputeras*	**Cina** *Chinese*	**India** *Indians*	**Lain-Lain** *Others*	**Jumlah** *Total*
SARAWAK					
1 Bandar Kuching	1316	281	0	710	2,307
2 Santubong	658	36	0	85	779
3 Pendam(Sadong Jaya)	320	10	0	0	330
4 Sematan	97	7	0	0	104
5 Batang Lupar (Sebuyau)	411	15	0	0	426
6 Saribas/Kalaka(Kabong)	449	7	0	0	456
7 Sibu/Igan	404	177	0	236	817
8 Sarikei/Bitangor	183	115	0	1157	1455
9 Mukah/Oya	543	5	0	281	829
10 Belawai	81	9	0	0	90
11 Matu Daro	243	15	0	0	258
12 Bintulu	429	51	0	22	502
13 Miri	691	123	0	138	952
14 Limbang	77	0	0	0	77
15 Lawas	304	0	0	0	304
Jumlah Kecil/*Sub -Total*	**6,206**	**851**	**0**	**2,629**	**9,686**
SABAH					
1 Tawau	1,130	105	0	801	2,036
2 Semporna	723	0	0	1,058	1,781
3 Kunak	242	35	0	392	669
4 Lahad Datu	519	1	0	281	801
5 Sandakan	2,228	7	0	1,752	3,987
6 Beluran	1,560	0	0	8	1,568
7 Kudat	2,192	18	0	705	2,915
8 Kota Marudu	711	2	0	0	713
9 Pitas	650	0	0	0	650
10 Kota Belut	1,203	0	0	0	1,203
11 Tuaran	490	0	0	0	490
12 Kota Kinabalu	987	41	0	691	1,719
13 Papar	353	3	0	0	356
14 Beaufort	718	0	0	0	718
15 Kuala Penyu	743	29	0	79	851
16 Sipitang	386	2	0	0	388
Jumlah Kecil/*Sub - Total*	**14,835**	**243**	**0**	**5,767**	**20,845**
W.P LABUAN/*LABUAN FT*					
1 Kg Bebuloh	56	4	0	0	60
2 Kg Ranca-Ranca	42	0	0	0	42
3 Kg Lubok Temiang	28	0	0	0	28
4 Kg Batu Manikar	25	0	0	0	25
5 Kg Tg. Aru	11	0	0	0	11
6 Kg Miri/Lada/Pagar	25	0	0	0	25
7 Kg Patau Patau	43	0	0	0	43
8 Lain Lain Kampung	57	0	0	36	93
Jumlah Kecil/*Sub -Total*	**287**	**4**	**0**	**36**	**327**
Jumlah Besar/*Grand Total*	**47,799**	**17,760**	**272**	**18,665**	**84,496**

Nota: Bumiputera Termasuk Orang Melayu dan Kumpulan Bumiputera lain.

Note: Bumiputeras including Malay and Other Indigenous Groups.

Jadual *(Table)* 1.4

MALAYSIA

BILANGAN NELAYAN ASING YANG DILULUSKAN MENGIKUT NEGERI, 2001

NUMBER OF APPROVED FOREIGN FISHERMEN BY STATE, 2001

Negeri/ *State* **Keturunan** *Ethnic Group*	**Pantai Barat**/*West Coast*								**Jumlah Kecil** *Sub-Total*	**Pantai Timur**/*East Coast*				**Jumlah Kecil** *Sub - Total*	Sarawak	Sabah	W.P Labuan *Federal Territory*	**Jumlah Kecil** *Sub- total*	**Jumlah Besar** *Grand Total*
	Perlis	Kedah	Pulau Pinang *Penang*	Perak	Selangor	Negeri Sembilan	Melaka	Johor Barat *West Johor*		Kelantan	Terengganu	Pahang	Johor Timur *East Johor*						
Thai *Thais*	3,321	1,165	0	268	2	0	0	0	4,756	2,429	2,203	656	120	5,408	1,380	0	0	1,380	11,544
Indonesia *Indonesian*	0	0	0	18	0	0	0	0	18	0	0	0	0	0	716	0	13	729	747
Filipina *Filipinos*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23	23	23
Lain-Lain *Others*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	71	5,767	0	5,838	5,838
Jum. Besar *Grand Total*	**3,321**	**1,165**	**0**	**286**	**2**	**0**	**0**	**0**	**4,774**	**2,429**	**2,203**	**656**	**120**	**5,408**	**2,167**	**5,767**	**36**	**7,970**	**18,152**

Nota: Bilangan yang diluluskan tidak semestinya menggambarkan bilangan nelayan yang bekerja di atas vesel.

Note: The approval given does not necessarily reflect the actual number of fishermen working on licenced vessels.

MALAYSIA Jadual *(Table)* 2.1

BILANGAN VESEL MENANGKAP IKAN YANG BERLESEN MENGIKUT NEGERI DAN KELAS MUATAN 2001

NUMBER OF LICENCED FISHING VESSELS BY STATE AND TONNAGE CLASS, 2001

Jenis *Type* **Negeri** *State*	**Jumlah** *Total*	**Vesel Tidak Berjentera** *Non - Powered Vessels*	**Vesel Berjentera Sangkut** *Outboard - Powered Vessels*	**Vesel Berjentera Dalam** / *In Board-Powered Vessels*								
				Jumlah Kecil *Sub-Total*	**0-4.9 GRT**	**5-9.9 GRT**	**10-14.9 GRT**	**15-19.9 GRT**	**20-24.9 GRT**	**25-39.9 GRT**	**40-69.9 GRT**	**70 GRT & Keatas** *(& Above)*
Pantai Barat/*West Coast:*												
Perlis	568	0	27	541	31	105	32	42	51	100	138	42
Kedah	1,249	1	352	896	126	185	65	71	64	219	100	66
Pulau Pinang/Penang	1,137	2	677	458	39	288	14	0	2	81	30	4
Perak	4,178	40	836	3,302	427	1,312	307	546	117	138	386	74
Selangor	2,058	67	396	1,595	24	819	203	213	199	134	2	1
Negeri Sembilan	322	2	279	41	0	37	4	0	0	0	0	0
Melaka/*Malacca*	864	3	741	120	2	103	15	0	0	0	0	0
Johor Barat/*West Johor*	2,689	34	2,005	650	84	295	90	118	53	10	0	0
Jumlah/*Total*	**13,065**	**149**	**5,313**	**7,603**	**733**	**3,144**	**730**	**990**	**486**	**682**	**656**	**187**
Pantai Timur/*East Coast:*												
Kelantan	1,138	0	257	881	295	130	143	89	16	45	53	110
Terengganu	2,280	0	493	1787	259	565	372	233	127	156	68	9
Pahang	1,000	0	166	834	41	231	175	50	32	78	154	73
Johor Timur/*East Johor*	1,363	16	537	810	62	203	140	56	27	152	147	23
Jumlah/*Total*	**5,781**	**16**	**1,453**	**4,312**	**657**	**1,129**	**830**	**428**	**202**	**431**	**422**	**215**
Malaysia:												
Semenanjung Malaysia/ *(Peninsular Malaysia)*	18,846	165	6,766	11,915	1,390	4,273	1,560	1,418	688	1,113	1,078	402
Sarawak	2,346	4	746	1,596	422	307	226	112	74	115	149	191
Sabah	10,456	2,524	4,653	3,279	555	1,199	614	231	220	402	52	6
W.Persekutuan Labuan/ *Labuan F.Territory*	132	0	121	11	0	0	0	0	4	1	1	5
Jumlah Besar *Grand Total*	**31,780**	**2,693**	**12,286**	**16,801**	**2,367**	**5,779**	**2,400**	**1,761**	**986**	**1,631**	**1,280**	**604**

GRT- Gross Registered Tonnage.

MALAYSIA

BILANGAN VESEL MENANGKAP IKAN BERLESEN MENGIKUT NEGERI DAN KUASA KUDA, 2001

NUMBER OF LICENCED FISHING VESSELS BY STATE AND HORSEPOWER, 2001

Negeri/ *State* **Kuasa/Kuda** *Horsepower*	**Perlis**	**Kedah**	**Pulau Pinang** *Penang*	**Perak**	**Selangor**	**Negeri Sembilan**	**Melaka** *Malacca*	**Johor Barat** *West Johor*	**Jumlah Kecil** *Sub - Total*	**Kelantan**	**Terengganu**	**Pahang**	**Johor Timur** *East Johor*	**Jumlah Kecil** *Sub - Total*	**Sarawak**	**Sabah**	**W.P Labuan** *Federal Territory*	**Jumlah Kecil** *Sub - total*	**Jumlah Besar** *Grand Total*
Enjin Dalam/ Inboard Powered																			
Kurang dari 5k.k (Under 5 h.p)	0	3	0	1	0	0	0	0	4	25	17	3	1	46	221	122	0	343	393
5-9 k.k(h.p)	11	32	1	5	0	0	1	50	100	219	51	6	2	278	432	301	0	733	1,111
10-19 "	29	75	24	98	32	1	30	53	342	76	328	68	111	583	355	245	0	600	1,525
20-39 "	78	100	17	105	347	24	73	169	913	275	688	297	200	1,460	240	163	1	404	2,777
40-59 "	10	18	0	52	15	3	2	21	121	26	72	24	20	142	29	603	0	632	895
60-99 "	17	32	56	89	86	8	3	43	334	14	180	52	42	288	184	275	1	460	1,082
100-149 "	82	144	194	1,571	420	5	11	141	2,568	37	222	47	62	368	75	296	2	373	3,309
150-249 "	179	233	72	718	334	0	0	152	1,688	53	169	37	112	371	52	750	1	803	2,862
250 - 299 "	135	259	94	663	361	0	0	21	1,533	156	60	300	260	776	8	524	6	538	2,847
300 - 349 "	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
350 k.k keatas (350 h.p & Above)	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0
Jumlah Kecil/ Sub - Total	**541**	**896**	**458**	**3,302**	**1,595**	**41**	**120**	**650**	**7,603**	**881**	**1,787**	**834**	**810**	**4,312**	**1,596**	**3,279**	**11**	**4,886**	**16,801**
Enjin Sangkut/ Outboard - Powered																			
Kurang dari 5k.k (Under 5 h.p)	1	25	27	309	21	38	59	428	908	148	124	18	109	399	110	252	0	362	1,669
5-9 k.k(h.p)	25	201	48	145	81	27	196	561	1,284	103	116	86	147	452	93	378	1	472	2,208
10-19 "	1	85	154	153	168	130	324	630	1,645	6	170	40	154	370	126	1,746	33	1,905	3,920
20-39 "	0	34	189	137	84	53	144	242	883	0	63	21	92	176	105	1,854	22	1,981	3,040
40-59 "	0	7	258	92	42	29	18	143	589	0	8	1	35	44	272	361	36	669	1,302
60-99 "	0	0	1	0	0	2	0	1	4	0	12	0	0	12	39	62	18	119	135
100 k.k keatas		0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	11	12	12
Jumlah Kecil/ Sub -Total	**27**	**352**	**677**	**836**	**396**	**279**	**741**	**2,005**	**5,313**	**257**	**493**	**166**	**537**	**1,453**	**746**	**4,653**	**121**	**5,520**	**12,286**
Jumlah Besar/ Grand Total	**568**	**1,248**	**1,135**	**4,138**	**1,991**	**320**	**861**	**2,655**	**12,916**	**1,138**	**2,280**	**1,000**	**1,347**	**5,765**	**2,342**	**7,932**	**132**	**10,406**	**29,087**

Nota: Jadual ini tidak termasuk vesel tidak berjentera

Note: This table does not include non-powered vessels

MALAYSIA

BILANGAN VESEL MENANGKAP IKAN BERLESEN MENGIKUT KUMPULAN PERKAKAS, JENIS DAN KELAS MUATAN, 2001

NUMBER OF LICENCED FISHING VESSELS BY GEAR GROUP, TYPE AND TONNAGE CLASS, 2001

Jenis Dan Kelas Muatan/ *Type And Tonnage Class* Kumpulan Perkakas/ *Gear Group*	Semenanjung Malaysia/*Peninsular Malaysia*												Sarawak	Sabah	W.P Labuan
	Jumlah *Total*	Tidak Berjentera *Non - Powered*	Berjentera Sangkut *Outboard - Powered*	Berjentera Dalam/*Inboard powered*											
				Jumlah Kecil/ *Sub Total*	0-4.9 GRT	5-9.9 GRT	10-14.9 GRT	15-19.9 GRT	20-24.9 GRT	25-39.9 GRT	40-69.9 GRT	70GRT& Keatas/ *Above*			
Pukat Tunda *Trawl nets*	4,069	0	0	4,069	12	112	523	1,016	534	890	784	198	628	1,422	5
Pukat Jerut Ikan *Fish Purse Seines*	748	0	0	748	3	16	48	70	43	142	283	143	22	124	5
Pukat Jerut Bilis *Anchovy Purse Seines*	104	0	0	104	0	10	10	8	5	4	8	59	0	42	0
Pukat Tarik Lain *Other Seines*	743	3	78	662	27	584	10	11	0	30	0	0	0	56	0
Pukat Hanyut *Gill/Drift Nets*	10,397	70	6,088	4,239	900	2,638	529	122	36	14	0	0	1,370	4,356	57
Pukat Tangguk *Lift Nets*	108	0	21	87	9	25	26	14	9	4	0	0	0	356	7
Belat *Stationary Traps*	87	8	74	5	2	3	0	0	0	0	0	0	6	129	2
Bubu *Portable Traps*	344	4	60	280	15	94	108	33	23	7	0	0	11	294	5
Pancing *Hooks & Lines*	1,545	7	339	1,199	212	514	288	140	33	12	0	0	59	2,734	51
Pukat Bakul *Bag Nets*	311	1	38	272	95	175	1	0	0	1	0	0	193	0	0
Pukat Rentang *Barrier Nets*	11	0	0	11	0	11	0	0	0	0	0	0	16	0	0
Pukat Surung *Push / Scoop Nets*	5	0	5	0	0	0	0	0	0	0	0	0	41	5	0
Memungut Siput *Shellfish Collection*	105	0	16	89	75	14	0	0	0	0	0	0	0	134	0
Pembawa Ikan *Fish Carriers*	99	65	0	34	0	9	3	3	5	9	3	2	0	0	0
Rampaian *Miscellaneous*	170	7	48	115	32	68	14	1	0	0	0	0	0	804	0
Jumlah/*Total*	**31,780**	**165**	**6,767**	**11,914**	**1,382**	**4,273**	**1,560**	**1,418**	**688**	**1,113**	**1,078**	**402**	**2,346**	**10,456**	**132**

Nota / Note: GRT- Gross Registered Tonnage.

Jadual *(Table)* 2.4

MALAYSIA

BILANGAN VESEL MENANGKAP IKAN YANG BERLESEN MENGIKUT DAERAH PERIKANAN, 2001

NUMBER OF LICENCED FISHING VESSELS BY FISHERIES DISTRICTS, 2001

Daerah - Daerah Perikanan Fisheries Districts	Berjentera Dalam *Inboard*	Berjentera Sangkut *Outboard*	Tidak Berjentera *Non - Powered*	Jumlah *Total*
SEMENANJUNG MALAYSIA *(PENINSULAR MALAYSIA)*				
1 Kuala Perlis	541	27	0	568
2 Langkawi	119	176	1	296
3 Kedah Utara	575	49	0	624
4 Kedah Selatan	202	127	0	329
5 Timur Laut/P.Pinang	54	176	0	230
6 Barat Daya/P.Pinang	121	345	0	466
7 Seberang Prai Utara	74	40	0	114
8 Seberang Prai Tengah	1	59	0	60
9 Seberang Prai Selatan	208	57	2	267
10 Krian	987	263	17	1,267
11 Larut Matang	1,007	93	3	1,103
12 Manjung	703	415	10	1,128
13 Hilir Perak	605	65	10	680
14 Selangor Utara	544	93	0	637
15 Selangor Tengah	382	70	3	455
16 Pelabuhan Kelang 1	339	8	0	347
17 Pelabuhan Kelang 2	199	125	64	388
18 Selangor Selatan	131	100	0	231
19 Port Dickson	41	280	1	322
20 Melaka	120	741	3	864
21 Muar	195	307	23	525
22 Batu Pahat	216	311	4	531
23 Pontian	237	474	7	718
24 Johor Bharu	2	913	0	915
25 Kota Tinggi Utara (Pengerang)	90	462	16	568
26 Kota Tinggi Selatan (Tg. Sedeli)	247	30	0	277
27 Mersing	473	45	0	518
28 Kuantan	387	26	0	413
29 Pekan	275	104	0	379
30 Kuala Rompin	172	36	0	208
31 Kemaman	363	39	0	402
32 Dungun	288	58	0	346
33 Marang	185	163	0	348
34 Kuala Terengganu Utara	211	56	0	267
35 Kuala Terengganu Selatan	299	95	0	394
36 Besut	331	21	0	352
37 Setiu	110	61	0	171
38 Kota Bharu	207	115	0	322
39 Bachok& Pasir Putih	407	66	0	473
40 Tumpat	267	76	0	343
Jumlah Kecil *Sub -Total*	**11,915**	**6,767**	**164**	**18,846**

samb.dari Jadual 2.4
(cont'd from Table 2.4)

Daerah - Daerah Perikanan Fisheries Districts	Berjentera Dalam *Inboard*	Berjentera Sangkut *Outboard*	Tidak Berjentera *Non-Powered*	Jumlah *Total*
SARAWAK				
1 Bandar Kuching	242	0	0	242
2 Santubong	142	140	0	282
3 Pendam(Sadong Jaya)	124	27	3	154
4 Sematan	20	22	0	42
5 Batang Lupar (Sebuyau)	170	1	0	171
6 Saribas/Kalaka(Kabong)	222	2	0	224
7 Sibu/Igan	91	32	0	123
8 Sarikei/Bitangor	62	0	0	62
9 Mukah/Oya	90	30	0	120
10 Belawai	108	0	0	108
11 Matu Daro	123	15	0	138
12 Bintulu	85	31	0	116
13 Miri	117	156	1	274
14 Limbang	0	77	0	77
15 Lawas	0	213	0	213
Jumlah Kecil/*Sub -Total*	**1,596**	**746**	**4**	**2,346**
SABAH				
1 Tawau	150	670	295	1,115
2 Semporna	452	165	283	900
3 Kunak	12	94	90	196
4 Lahad Datu	146	108	112	366
5 Sandakan	854	360	485	1,699
6 Beluran	164	634	178	976
7 Kudat	936	255	75	1,266
8 Kota Marudu	37	390	129	556
9 Pitas	67	220	131	418
10 Kota Belut	93	340	343	776
11 Tuaran	35	162	61	258
12 Kota Kinabalu	246	254	15	515
13 Papar	1	145	20	166
14 Beaufort	38	383	65	486
15 Kuala Penyu	7	323	239	569
16 Sipitang	41	150	3	194
Jumlah Kecil/*Sub -Total*	**3,279**	**4,653**	**2,524**	**10,456**
W.P LABUAN/*LABUAN FT*				
1 Kg Bebuloh	0	29	0	29
2 Kg Ranca-Ranca	1	32	0	33
3 Kg Lubok Temiang	0	14	0	14
4 Kg Batu Manikar	0	0	0	0
5 Kg Tg. Aru	1	22	0	23
6 Kg Miri/Lada/Pagar	0	5	0	5
7 Kg Patau Patau	1	19	0	20
8 Lain Lain Kampung	8	0	0	8
Jumlah Kecil/*Sub -Total*	**11**	**121**	**0**	**132**
Jumlah Besar/*Grand Total*	**16,801**	**12,287**	**2,692**	**31,780**

Jadual *(Table)* **2.5**

SEMENANJUNG MALAYSIA / PENINSULAR MALAYSIA
BILANGAN VESEL MENANGKAP IKAN YANG BERLESEN DAN BILANGAN NELAYAN YANG BEKERJA DI ATAS VESEL BERLESEN, 1977- 2001

NUMBER OF FISHING VESSELS LICENSED AND NUMBER OF FISHERMEN WORKING ON LICENCED VESSELS, 1977- 2001

Bilangan Vesel Menangkap Ikan Yang Berlesen *Number Of Fishing Vessels Licenced*					**Bilangan Nelayan** *Number of Fishermen*				
Tahun *Year*	**Berjentera Dalam** *Inboard*	**Berjentera Sangkut** *Outboard*	**Tidak Berjentera** *Non - Powered*	**Jumlah** *Total*	**Bumiputera** Bumiputeras	**Cina** *Chinese*	**India** *Indians*	**Lain-Lain** *Others*	**Jumlah** Total
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
1979	17,741	5,156	6,256	29,153	50,816	30,323	528	1,259	82,926
1980	18,433	6,585	5,502	30,520	55,008	31,802	410	1,752	88,972
1981	18,585	7,368	4,437	30,390	54,538	30,084	609	1,694	86,925
1982	17,575	7,246	2,620	27,441	49,232	28,306	739	1,960	80,237
1983	16,285	7,202	2,208	25,695	47,322	25,238	534	2,496	75,590
1984	16,533	7,458	1,682	25,673	48,616	25,077	564	2,111	76,368
1985	15,324	6,751	1,296	23,371	42,620	23,532	471	2,907	69,530
1986	14,626	6,864	986	22,476	34,269	21,357	448	3,378	59,452
1987	14,822	6,430	886	22,138	33,815	21,634	394	4,726	60,569
1988	14,760	5,832	749	21,341	32,386	21,367	409	4,121	58,283
1989	15,507	7,146	806	23,459	35,907	22,443	454	3,776	62,580
1990	15,326	7,029	779	23,134	34,719	21,364	471	3,247	59,801
1991	15,331	6,760	718	22,809	35,609	21,385	448	3,867	61,309
1992	14,999	6,223	632	21,854	35,279	21,094	440	3,597	60,410
1993	14,351	5,206	463	20,020	28,607	18,466	245	6,569	53,887
1994	13,677	4,988	424	19,089	27,499	17,984	249	6,463	52,195
1995	13,443	9,050	491	22,984	30,440	17,976	239	6,347	55,002
1996	12,701	8,112	437	21,250	28,418	17,010	206	6,676	52,310
1997	12,097	7,875	393	20,365	27,457	17,133	236	5,909	50,735
1998	12,411	7,230	330	19,971	25,538	16,820	239	7,441	50,038
1999	12,646	6,489	208	19,343	25,152	17,207	218	8,364	50,941
2000	12,140	6,240	184	18,564	25,532	16,196	231	9,340	51,299
2001	11,914	6,767	165	18,846	26,471	16,662	272	10,233	53,638

Jadual *(Table)* 3.1

MALAYSIA
BILANGAN PERKAKAS YANG DILESENKAN MENGIKUT NEGERI, 2001
NUMBER OF LICENCED FISHING GEARS BY STATE, 2001

Kumpulan Perkakas *Gear Groups* / Negeri *State*	**Pukat Tunda** Trawl Nets	**Pukat Jerut Ikan** Fish Purse Seines	**Pukat Jerut Bilis** Anchovy Purse Seines	**Pukat Tarik Lain** Other Seines	**Pukat Hanyut** *Drift/Gill Nets*	**Pukat Tangguk** *Lift Nets*	**Belat** *Stationary Traps*	**Bubu** *Portable Traps*	**Pancing** Hook & Line	**Pukat Bakul** Bag Nets	**Pukat Rentang** Barrire Nets	**Pukat Surung** Push/Scoop Net	**Memungut Siput** Shellfish Collection	**Rampaian** *Miscellaneous*	**Jumlah** Total
Pantai Barat/West Coast:															
Perlis	231	118	0	0	200	0	0	2	2	0	0	0	0	0	553
Kedah	486	25	55	3	664	1	0	0	2	12	0	0	0	1	1,249
Pulau Pinang/Penang	66	20	0	99	854	0	0	4	35	31	0	2	0	26	1,137
Perak	1,445	66	8	569	1,698	0	0	21	88	60	0	3	94	122	4,174
Selangor	687	14	0	15	1,064	0	0	0	26	160	11	0	0	1	1,978
Negeri Sembilan	0	0	0	1	285	0	0	7	29	0	0	0	0	0	322
Melaka/Malacca	0	0	0	0	841	0	0	0	21	0	0	0	0	2	864
Johor Barat/West Johor	184	0	0	1	2,302	0	46	54	29	47	0	0	11	15	2,689
															0
Jumlah Kecil/*Sub -Total*	**2**	**243**	**63**	**688**	**7,908**	**1**	**46**	**88**	**232**	**310**	**11**	**5**	**105**	**167**	**12,966**
Pantai Timur/East Coast															
Kelantan	107	127	10	34	654	29	0	12	165	0	0	0	0	0	1,138
Terengganu	218	279	21	20	711	60	0	134	837	0	0	0	0	0	2,280
Pahang	336	51	10	1	311	6	0	96	189	0	0	0	0	0	1,000
Johor Timur/East Johor	309	48	0	0	824	1	41	15	121	1	0	0	0	3	1,363
Jumlah Kecil/*Sub -Total*	**970**	**505**	**41**	**55**	**2,500**	**96**	**41**	**257**	**1,312**	**1**	**0**	**0**	**0**	**3**	**5,781**
Sarawak	628	22	0	0	1,370	0	6	11	59	193	16	41	0	0	2,346
Sabah	1,422	124	42	56	4,356	356	129	294	2,734	0	0	5	134	804	10,456
W.Persekutuan Labuan/ *Labuan F.Territory*	5	5	0	0	57	7	2	5	51	0	0	0	0	0	132
Jumlah Kecil/*Sub -Total*	**2,055**	**151**	**42**	**56**	**5,783**	**363**	**137**	**310**	**2,844**	**193**	**16**	**46**	**134**	**804**	**12,934**
Jumlah Besar *Grand Total*	**3,027**	**899**	**146**	**799**	**16,191**	**460**	**224**	**655**	**4,388**	**504**	**27**	**51**	**239**	**974**	**31,681**

MALAYSIA

PENDARATAN IKAN LAUT MENGIKUT NEGERI DAN KUMPULAN PERKAKAS , 2001 **Jadual *(Table)* 4.1**

LANDINGS OF MARINE FISH BY STATE AND GEAR GROUP , 2001

Kumpulan Perkakas *Gear Group* / **Negeri** *State*	**Pukat Tunda** *Trawl Nets*	**Pukat Jerut Ikan** Fish Purse Seines	**Pukat Jerut Bilis** Anchovy Purse Seines	**Pukat Tarik Lain** Other Seines	**Pukat Hanyut** *Drift/Gill Nets*	**Pukat Tangguk** *Lift Nets*	**Belat** *Stationary Traps*	**Bubu** *Portable Traps*	**Pancing** Hook & Line	**Pukat Bakul** Bag *Nets*	**Pukat Rentang** Barrire Nets	**Pukat Surung** Push/Scoop Net	**Memungut Siput** Shellfish Collection	**Rampaian** *Miscellaneous*	**Jumlah** Total
Pantai Barat */West Coast*															
Perlis	18,273	27,342	0	0	2,887	0	0	0	0	0	0	264	0	24	48,790
Kedah	39,160	5,297	6,949	587	16,603	0	47	34	215	515	131	1,034	1,573	72	72,217
Pulau Pinang	20,412	982	0	1,454	10,564	0	0	77	403	465	120	64	410	118	35,069
Perak	130,521	9,247	1,243	23,903	24,605	0	0	67	597	3,817	225	6,613	723	152	201,713
Selangor	83,563	3,801	0	210	11,146	0	166	149	3,092	12,371	1,760	495	277	1	117,031
Negeri Sembilan	0	0	0	8	265	0	0	14	30	0	0	0	0	0	317
Melaka	0	0	0	0	1,555	0	0	1	152	0	0	118	27	0	1,853
Johor Barat/*West Johor*	4,806	0	0	0	5,336	0	714	195	88	722	71	67	0	37	12,036
Jumlah/*Total*	296,735	46,669	8,192	26,162	72,961	0	927	537	4,577	17,890	2,307	8,655	3,010	404	489,026
Pantai Timur */East Coast*															
Kelantan	15,259	44,193	580	0	1,852	5,736	99	603	854	0	0	0	0	44	69,220
Terengganu	14,801	67,949	2,406	0	3,700	1,523	0	8,494	8,404	0	0	0	0	0	107,277
Pahang	92,099	38,106	2,031	0	9,821	438	0	3,156	4,330	0	0	0	9	0	149,990
Johor Timur/*East Johor*	61,479	7,095	0	0	594	0	0	347	1,210	937	0	0	0	26	71,688
Jumlah/*Total*	183,638	157,343	5,017	0	15,967	7,697	99	12,600	14,798	937	0	0	9	70	398,175
Malaysia															
Semenanjung Malaysia/ *Peninsular Malaysia*	480,373	204,012	13,209	26,162	88,928	7,697	1,026	13,137	19,375	18,827	2,307	8,655	3,019	474	887,201
Sarawak	114,188	4,720	0	0	26,579	0	774	260	3,964	4,113	752	228	2	1,128	156,708
Sabah	77,469	43,408	0	951	15,304	10,221	1,196	1,158	23,420	0	1	0	222	4,696	178,046
Wilayah Persekutuan Labuan *Labuan, Federal Territory*	3,927	3,009	0	10	1,167	295	111	40	774	0	0	0	1	0	9,334
Jumlah Besar *Grand Total*	675,957	255,149	13,209	27,123	131,978	18,213	3,107	14,595	47,533	22,940	3,060	8,883	3,244	6,298	1,231,289

MALAYSIA

PENDARATAN IKAN LAUT MENGIKUT BULAN DAN NEGERI, 2001 **Jadual *(Table)* 4.2**

LANDINGS OF MARINE FISH BY MONTH AND STATE, 2001

(Tan Metrik/*Tonnes*)

Bulan/*Month* **Negeri/*State***	**Januari** *January*	**Februari** *February*	**Mac** *March*	**April** *April*	**Mei** *May*	**Jun** *June*	**Julai** *July*	**Ogos** *August*	**September** *September*	**Oktober** *October*	**November** *November*	**Disember** *December*	**Jumlah** *Total*
Pantai Barat/*West Coast*													
Perlis	3,252	2,793	2,913	4,186	5,142	4,397	4,551	4,633	4,589	4,613	4,111	3,610	48,790
Kedah	6,574	7,331	6,016	5,158	5,568	5,894	7,008	5,929	5,652	7,170	5,150	4,767	72,217
Pulau Pinang	2,954	3,251	3,795	3,568	3,177	2,693	2,882	2,684	2,789	2,510	2,453	2,313	35,069
Perak	15,388	17,190	17,260	18,974	19,283	18,528	14,958	17,034	17,728	15,357	15,599	14,414	201,713
Selangor	9,351	9,403	8,860	8,042	8,782	10,402	8,696	10,827	10,303	9,232	12,069	11,064	117,031
Negeri Sembilan	28	27	26	24	24	21	26	30	22	30	31	28	317
Melaka	157	146	159	161	167	162	155	155	166	145	145	135	1,853
Johor Barat/*West Johor*	1,227	1,128	1,065	998	887	935	962	881	933	1,029	1,032	959	12,036
Jumlah Kecil/*Sub-Total*	38,931	41,269	40,094	41,111	43,030	43,032	39,238	42,173	42,182	40,086	40,590	37,290	489,026
Pantai Timur/*East Coast*													
Kelantan	5,467	6,711	5,804	6,972	4,117	4,651	7,484	7,686	8,475	7,462	3,434	957	69,220
Terengganu	8,464	9,339	8,955	8,794	7,708	7,047	8,517	13,007	14,518	12,646	5,937	2,345	107,277
Pahang	11,391	10,534	13,086	9,537	11,126	13,418	12,970	15,460	16,049	16,513	13,043	6,863	149,990
Johor Timur/*East Johor*	3,564	4,164	5,013	4,080	5,094	6,835	8,114	7,842	7,774	8,555	6,738	3,915	71,688
Jumlah Kecil/*Sub-Total*	28,886	30,748	32,858	29,383	28,045	31,951	37,085	43,995	46,816	45,176	29,152	14,080	398,175
Malaysia:													
Semenanjung Malaysia/ *Peninsular Malaysia*	67,817	72,017	72,952	70,494	71,075	74,983	76,323	86,168	88,998	85,262	69,742	51,370	887,201
Sarawak	10,932	10,474	12,677	13,446	12,852	17,894	12,562	12,897	15,844	12,190	9,835	15,105	156,708
Sabah	13,579	15,289	12,918	13,514	14,692	15,037	16,249	15,922	15,168	16,372	15,083	14,223	178,046
Wilayah Persekutuan Labuan/ *Labuan Federal Territory*	763	666	919	949	929	762	689	669	737	792	749	710	9,334
Jumlah Besar *Grand Total*	93,091	98,446	99,466	98,403	99,548	108,676	105,823	115,656	120,747	114,616	95,409	81,408	1,231,289

SEMENANJUNG MALAYSIA

PENDARATAN IKAN LAUT MENGIKUT PERKAKAS DAN BULAN, 2001

Jadual *(Table)* **4.3**

LANDINGS OF MARINE FISH BY GEAR GROUP AND MONTH, 2001

(Tan Metrik/*Tonnes***)**

Bulan/*Month* **Kumpulan Perkakas** *Gear Group*	**Januari** *January*	**Februari** *February*	**Mac** *March*	**April** *April*	**Mei** *May*	**Jun** *June*	**Julai** *July*	**Ogos** *August*	**September** *September*	**Oktober** *October*	**November** *November*	**Disember** *December*	**Jumlah** *Total*
Pukat Tunda *Trawl Nets*	37,144	38,261	38,954	35,777	38,233	43,084	40,473	42,905	42,994	43,309	43,846	35,393	480,373
Pukat Jerut Ikan *Fish Purse Seines*	16,363	17,098	17,769	16,830	14,763	14,099	18,019	23,582	26,025	23,281	11,703	4,480	204,012
Pukat Jerut Bilis *Anchovy Purse Seines*	848	1,453	1,083	1,078	1,459	1,129	1,091	1,410	1,239	1,250	384	785	13,209
Pukat Tarik Lain *Other Seines*	1,686	2,911	2,261	2,993	2,330	2,245	1,432	1,847	2,013	2,067	2,336	2,041	26,162
Pukat Hanyut *Gill/Drift Nets*	6,629	6,795	6,975	7,892	8,155	7,440	8,179	8,595	8,627	8,339	6,556	4,746	88,928
Pukat Tangguk *Lift Nets*	122	425	427	322	380	1,221	1,586	1,182	1,161	797	66	8	7,697
Belat *Stationary Traps*	70	83	98	91	66	84	89	87	86	93	85	94	1,026
Bubu *Portable Traps*	973	882	926	1,120	1,163	903	1,085	1,466	1,689	1,616	891	423	13,137
Pancing *Hooks & Lines*	1,182	1,218	1,392	1,513	1,554	1,848	2,074	2,327	2,371	1,930	1,203	763	19,375
Pukat Bakul *Bag Nets*	1,585	1,595	1,815	1,691	1,606	1,582	1,271	1,634	1,696	1,420	1,413	1,519	18,827
Pukat Rentang *Barrier Nets*	153	157	155	120	167	231	185	187	203	223	235	291	2,307
Pukat Surung *Push/Scoop Nets*	805	813	778	795	858	787	518	625	668	664	725	619	8,655
Memungut Siput *Shellfish Collection*	195	275	275	232	302	288	283	287	192	240	272	178	3,019
Rampaian *Miscellaneous*	62	51	44	40	39	42	38	34	34	33	27	30	474
Jumlah Besar *Grand Total*	67,817	72,017	72,952	70,494	71,075	74,983	76,323	86,168	88,998	85,262	69,742	51,370	887,201

MALAYSIA

PENDARATAN IKAN LAUT MENGIKUT NEGERI DAN SPESIS, 2001

LANDINGS OF MARINE FISH BY STATE AND SPECIES, 2001

(Tan Metrik/*Tonnes*)

ISCAAP GROUP NO.	**Spesis** *Species* / **Nama Tempatan** *Local Name*	**Pantai Barat/***West Coast*								**Jumlah Kecil** Sub-*Total*	**Pantai Timur/***East Coast*				**Jumlah Kecil** Sub-Total	Sarawak	Sabah	W.P.Labuan *Labuan Federal Territory*	**Jumlah Kecil** Sub-Total	**Jumlah Besar** *Grand Total*
		Perlis	Kedah	P.Pinang	Perak	Selangor	Negeri Sembilan	Melaka	Johor Barat *West Johor*		Kelantan	Terengganu	Pahang	Johor Timur *East Johor*						
24	Kebasi/Selangat	23	917	757	899	154	19	0	239	3,008	0	0	0	0	0	316	701	12	1,029	4,037
	Puput/B.Mata/Tirok	28	113	184	4,272	2,279	8	0	161	7,045	101	0	0	3	104	3,150	2,340	26	5,516	12,665
	Terubok	0	0	0	22	28	0	0	0	50	0	0	0	0	0	1,056	0	0	1,056	1,106
25	Siakap	0	1	1	20	64	5	0	113	204	12	31	9	0	52	7	1,255	0	1,262	1,518
31	Lidah	450	228	99	169	605	0	0	191	1,742	23	84	112	47	266	205	192	12	409	2,417
	Sebelah	1	166	19	157	142	0	0	8	493	12	88	71	120	291	346	500	82	928	1,712
33	Bayan	0	0	0	0	0	0	0	0	0	0	102	43	41	186	0	1,762	0	1,762	1,948
	Biji Nangka	14	14	96	6,296	68	0	0	13	6,501	878	946	331	106	2,261	3,683	417	100	4,200	12,962
	Daun Baharu	0	2	0	3	10	11	25	24	75	16	14	30	42	102	253	177	83	513	690
	Delah/Pinang-Pinang	0	0	0	14	0	0	0	0	14	0	346	132	23	501	1	355	118	474	989
	Duri/Pulutan/Utik	14	417	1,065	2,356	1,160	5	264	432	5,713	126	1,025	436	453	2,040	3,504	2,731	92	6,327	14,080
	Dengkis /Debam	0	11	0	76	0	0	0	13	100	21	382	129	135	667	0	621	106	727	1,494
	Gelama/Tengkerong/Selampai	689	1,594	822	4,841	2,552	9	205	621	11,333	519	518	653	1,112	2,802	11,947	2,531	149	14,627	28,762
	Gerut-Gerut	4	181	22	201	97	2	18	120	645	10	37	13	31	91	255	499	103	857	1,593
	Jenahak	3	66	44	196	163	10	19	41	542	0	4	9	17	30	377	2,432	59	2,868	3,440
	Kaci	0	0	0	39	40	2	0	8	89	10	401	196	216	823	342	75	88	505	1,417
	Kerapu	197	262	83	505	104	5	21	48	1,225	56	1,615	675	417	2,763	847	5,478	163	6,488	10,476
	Kerisi	1,133	891	262	4,495	110	0	0	0	6,891	1,172	5,909	3,411	1,816	12,308	3,131	6,405	175	9,711	28,910
	Kerisi Bali	0	66	0	125	5	0	0	0	196	76	639	1,426	28	2,169	623	1,621	162	2,406	4,771
	Kikek	1	50	2	18	0	0	0	51	122	194	608	48	46	896	417	744	104	1,265	2,283
	Malong	95	160	19	46	1,761	2	68	206	2,357	15	8	69	28	120	1,319	1,221	4	2,544	5,021
	Merah	4	12	8	28	74	0	1	20	147	86	784	672	244	1,786	2,247	3,222	198	5,667	7,600
	Mengkerong/Conor/Ubi-Ubi	1,407	74	85	8,410	21	0	0	17	10,014	964	287	2,095	454	3,800	0	3,808	3	3,811	17,625
	Remong/Kunyit-Kunyit/Tanda	2	33	2	283	36	0	0	0	356	208	1,223	793	373	2,597	0	1,247	130	1,377	4,330
	Semilang	13	85	344	461	252	2	0	181	1,338	0	7	12	0	19	11	619	0	630	1,987
	Shrumbu/Lemah	0	0	0	0	2	0	0	0	2	0	0	0	0	0	392	28	17	437	439
	Puntong Damar/Bulus	2	78	3	852	340	0	0	0	1,275	85	113	192	139	529	0	252	1	253	2,057
	Pasir-Pasir/Timun-Timun	0	17	0	14	57	0	0	0	88	36	640	578	245	1,499	0	28	27	55	1,642
34	Alu-Alu/Kacang-Kacang	5	217	17	258	53	4	19	23	596	113	267	430	392	1,202	305	4,416	92	4,813	6,611
	Aruan Tasik	0	39	0	51	59	1	0	0	150	8	125	211	63	407	0	0	0	0	557
	Bawal	16	617	418	1,322	1,519	12	38	781	4,723	138	790	382	234	1,544	1,066	858	107	2,031	8,298

samb.dari Jadual 4.4/
(cont' d from Table 4.4)

	Belanak/Kedera	0	267	77	351	1,972	2	61	61	2,791	59	0	22	0	81	92	1,019	18	1,129	4,001
	Cermin/Sagai/Cupak	74	130	0	175	62	12	0	60	513	115	864	655	380	2,014	226	1,389	293	1,908	4,435
	Cincaru	609	479	313	877	651	0	0	79	3,008	423	853	1,539	905	3,720	1,393	5,659	173	7,225	13,953
	Demuduk/Rambai	103	121	1	113	11	0	0	0	349	314	456	245	233	1,248	718	5,113	85	5,916	7,513
	Kurau/Senangin/Senohong	10	37	121	1,091	680	12	61	158	2,170	10	0	95	7	112	381	1,657	8	2,046	4,328
	Pelata/Selar	1,621	679	79	2,301	325	0	0	45	5,050	1,552	6,805	4,414	1,475	14,246	1,399	4,299	185	5,883	25,179
	Selar Kuning/Lolong	2,102	327	76	1,161	27	0	0	0	3,693	4,277	15,260	10,246	3,824	33,607	1,163	1,262	133	2,558	39,858
	Selayang/Curut	4,323	251	104	1,073	60	0	0	0	5,811	19,849	28,454	7,638	1,808	57,749	644	13,042	148	13,834	77,394
	Pisang-Pisang	59	16	0	0	0	0	0	0	75	16	20	25	0	61	0	58	1	59	195
	Talang	5	139	44	92	68	9	31	149	537	0	27	182	69	278	608	2,070	33	2,711	3,526
	Bilis/Bunga Air	0	6,328	0	1,185	368	0	0	53	7,934	4,469	1,573	1,025	59	7,126	11	2,644	8	2,663	17,723
	Parang-Parang	26	142	38	318	840	18	170	397	1,949	82	165	583	356	1,186	468	381	6	855	3,990
35	Tamban	1,617	1,247	336	1,049	26	0	0	5	4,280	2,031	4,784	13,211	1,839	21,865	3,420	10,971	211	14,602	40,747
	Bulan-Bulan	0	0	0	9	3	0	0	0	12	0	0	1	0	1	2	89	0	91	104
36	Aya/Kayu/Tongkol	4,420	739	60	3,114	645	0	0	0	8,978	15,868	8,742	4,979	1,446	31,035	4,435	9,502	2,161	16,098	56,111
	Layaran/Mersuji	1	0	0	0	0	0	0	0	1	0	3	15	0	18	0	119	20	139	158
37	Kembong/Temenong/Pelaling	11,077	21,408	8,385	19,825	5,276	0	0	6	65,977	1,485	6,034	9,542	834	17,895	3,632	11,087	878	15,597	99,469
	Tenggiri	119	416	82	1,175	1,485	46	197	337	3,857	100	1,095	1,052	529	2,776	4,314	3,764	259	8,337	14,970
	Timah/Layor/Selayor	20	150	125	1,136	250	0	64	284	2,029	257	549	366	156	1,328	1,382	4,970	2	6,354	9,711
38	Pari	129	306	327	2,896	1,504	14	139	200	5,515	140	982	1,692	1,915	4,729	4,169	2,020	99	6,288	16,532
	Yu	4	155	18	693	232	3	60	88	1,253	40	541	938	620	2,139	3,579	1,577	115	5,271	8,663
39	Ikan Baja	12,861	14,867	15,392	78,962	61,935	0	0	3,383	187,400	7,860	2,472	54,771	35,359	100,462	39,447	19,421	876	59,744	347,606
	Ikan Campur	1,750	5,256	239	3,344	2,791	39	149	598	14,166	2,632	3,901	11,999	1,825	20,357	25,836	4,784	502	31,122	65,645
	Jebong	0	0	22	165	6	0	0	9	202	17	894	634	97	1,642	0	314	37	351	2,195
42	Ketam	128	1,215	420	1,458	1,203	10	0	321	4,755	78	446	1,231	485	2,240	1,232	4,024	47	5,303	12,298
43	Udang Karang/Lobok	0	0	0	18	86	0	0	0	104	23	43	197	237	500	618	340	50	1,008	1,612
45	Udang Putih	79	340	902	1,481	1,420	26	47	430	4,725	64	122	300	136	622	6,312	4,334	116	10,762	16,109
	Udang Minyak	0	0	90	3,825	1,792	0	0	51	5,758	12	132	101	231	476	123	512	0	635	6,869
	Udang Merah Ros	89	611	0	0	31	0	0	0	731	0	0	0	0	0	19	593	0	612	1,343
	Udang Kulit Keras	0	130	41	1,556	1,138	0	0	143	3,008	93	37	78	3	211	942	445	0	1,387	4,606
	Udang Harimau	22	87	4	134	18	0	0	18	283	7	25	3	127	162	57	445	59	561	1,006
	Lain-lain Jenis Udang	864	4,106	1,341	13,009	6,565	29	77	1,122	27,113	220	671	1,287	1,620	3,798	4,701	3,222	331	8,254	39,165
	Udang Baring	214	487	157	3,094	3,074	0	92	588	7,706	0	0	0	363	363	67	228	3	298	8,367
53	Siput/Kepah/Kupang/Tiram	0	1,573	410	722	278	0	27	0	3,010	0	0	9	0	9	2	928	0	930	3,949
57	Sotong Kurita	21	383	1	113	286	0	0	0	804	46	0	79	243	368	0	308	0	308	1,480
	Sotong Katak	347	1,038	283	5,156	2,986	0	0	13	9,823	479	1,888	2,776	3,514	8,657	455	2,398	134	2,987	21,467
	Sotong Biasa	1,995	2,476	1,229	12,555	1,873	0	0	122	20,250	1,723	2,446	4,902	4,168	13,239	5,280	6,383	130	11,793	45,282
77	Ubur-Ubur	0	0	0	1,058	5,309	0	0	5	6,372	0	0	0	0	0	3,781	140	0	3,921	10,293
	Jumlah/ *Total*	48,790	72,217	35,069	201,713	117,031	317	1,853	12,036	489,026	69,220	107,277	149,990	71,688	398,175	156,708	178,046	9,334	344,088	1,231,289

Jadual *(Table)* **4.5**

MALAYSIA

PENDARATAN IKAN LAUT MENGIKUT BULAN DAN SPESIS, 2001

LANDINGS OF MARINE FISH BY MONTH AND SPECIES, 2001

(Tan Metrik/ *Tonnes***)**

ISSCAAP GROUP NO.	Spesis *Species* / Nama Tempatan *Local Name*	Januari *January*	Febuari *February*	Mac *March*	April *April*	Mei *May*	Jun *June*	Julai *July*	Ogos *August*	September *September*	Oktober *October*	November *November*	Disember *December*	Jumlah *Total*
24	Kebasi Selangat	289	305	292	540	458	312	295	323	347	333	308	235	4,037
	Puput/B.Mata/Tirok	713	1,071	907	1,266	1,101	1,267	1,129	1,189	1,093	978	1,033	918	12,665
	Terubok	14	22	127	160	90	71	87	178	170	111	58	18	1,106
25	Siakap	146	148	142	121	114	110	140	115	110	126	142	104	1,518
31	Lidah	200	202	230	191	209	189	190	195	197	182	248	184	2,417
	Sebelah	162	142	140	140	137	146	165	171	137	143	115	114	1,712
33	Bayan	94	107	151	168	161	191	155	168	223	227	120	183	1,948
	Biji Nangka	961	890	1,062	1,231	1,164	1,213	1,018	946	1,187	1,105	1,146	1,039	12,962
	Daun Baharu	65	45	65	45	61	65	58	77	62	59	44	44	690
	Delah/Pinang-Pinang	100	78	65	100	89	52	80	130	120	80	61	34	989
	Duri/Pulutan/Utik	981	970	1,010	1,127	1,259	1,149	1,111	1,328	1,286	1,555	1,173	1,131	14,080
	Dengkis/Debam	104	105	114	123	110	114	175	178	139	137	114	81	1,494
	Gelama/Tengkerong/Selampai	1,730	1,706	1,791	2,224	2,207	2,056	1,917	1,946	3,936	1,957	1,607	5,685	28,762
	Gerut-Gerut	96	105	95	106	131	129	110	139	163	318	110	91	1,593
	Jenahak	203	201	261	340	316	356	320	343	258	324	262	256	3,440
	Kaci	97	103	90	111	138	132	150	151	163	127	90	65	1,417
	Kerapu	733	864	825	825	962	1,047	1,020	1,038	964	863	770	565	10,476
	Kerisi	2,149	2,124	2,325	2,427	2,787	2,565	2,337	2,644	2,619	2,653	2,299	1,981	28,910
	kerisi Bali	337	309	390	438	493	405	398	443	451	414	435	258	4,771
	Kikek	176	244	185	168	198	171	216	233	190	237	148	117	2,283
	Malong	460	425	449	420	379	343	472	360	392	508	413	400	5,021
	Merah	445	563	652	611	652	676	780	706	687	752	586	490	7,600
	Mengkerong/conor/Ubi-Ubi	1,427	1,370	1,420	1,452	1,522	1,594	1,440	1,425	1,431	1,516	1,770	1,258	17,625
	Remong/Kunyit-Kunyit/Tanda	306	297	323	382	362	385	419	431	414	461	328	222	4,330
	Semilang	199	195	162	139	172	172	173	145	166	155	171	138	1,987
	Shrumbu/Lemah	32	37	47	57	54	31	51	42	37	31	10	10	439
	Puntung Damar/Bulus	170	157	153	134	143	159	199	246	209	159	155	173	2,057
	Pasir-Pasir/Timun-Timun	128	123	138	143	129	138	149	160	193	158	124	59	1,642
34	Alu-Alu/Kacang-Kacang	385	457	489	571	703	603	675	600	598	559	503	468	6,611
	Aruan Tasik	44	45	38	46	41	42	56	57	61	62	41	24	557
	Bawal	907	681	753	745	727	666	725	642	674	692	579	507	8,298

samb.dari Jadual 4.5
(cont'd from Table 4.5)

	Belanak/Kedera	627	444	232	198	317	231	267	345	294	375	274	397	4,001
	Cermin/Sagai/Cupak	299	314	319	351	376	352	410	424	443	481	388	278	4,435
	Cincaru	911	1,253	783	1,163	1,339	954	1,641	1,265	1,173	1,434	1,214	823	13,953
	Demuduk/Rambai	481	546	617	689	651	685	664	729	712	579	728	432	7,513
	Kurau/Senangin/Senohong	271	317	348	360	357	409	386	417	399	378	359	327	4,328
	Pelata/Selar	2,149	2,467	2,208	2,251	2,105	1,847	2,261	2,633	2,135	1,949	1,873	1,301	25,179
	Selar Kuning/Lolong	4,048	4,298	4,694	3,233	2,377	2,896	3,158	3,718	4,251	3,689	2,337	1,159	39,858
	Selayang/Curut	6,015	4,465	3,545	4,475	3,744	3,941	6,579	11,409	14,012	11,758	5,140	2,311	77,394
	Pisang-Pisang	6	19	6	21	21	29	27	13	11	21	10	11	195
	Talang	214	200	229	254	258	363	312	284	329	424	389	270	3,526
	Bilis/Bunga Air	965	1,615	1,109	1,071	1,142	2,144	2,398	2,227	2,018	1,618	615	801	17,723
	Parang-Parang	264	296	396	366	360	337	397	312	336	373	286	267	3,990
35	Tamban	3,364	2,804	4,539	2,645	3,082	4,189	3,244	3,644	4,006	4,618	2,760	1,852	40,747
	Bulan-Bulan	8	10	5	10	7	6	17	8	5	14	5	9	104
36	Aya/Kayu/Tongkol	3,041	5,086	4,742	5,988	4,997	4,915	5,758	5,632	5,514	5,143	3,468	1,827	56,111
	Layaran/Mersuji	11	10	21	15	14	10	14	12	13	11	14	13	158
37	Kembong/Temenong/Pelaling	7,340	8,204	7,599	8,397	9,097	8,576	9,313	9,199	9,796	10,123	7,095	4,730	99,469
	Tenggiri	1,108	1,106	1,367	1,309	1,422	1,427	1,320	1,165	1,207	1,387	1,260	892	14,970
	Timah/layor/Selayor	629	897	968	819	1,495	859	845	836	701	696	491	475	9,711
38	Pari	1,219	1,432	1,322	1,368	1,365	1,565	1,435	1,355	1,401	1,388	1,372	1,310	16,532
	Yu	652	559	714	805	736	746	810	742	746	718	759	676	8,663
39	Ikan Baja	25,751	26,709	25,967	25,170	27,447	35,584	29,110	31,681	31,698	31,031	31,220	26,238	347,606
	Ikan Campur	4,987	5,021	5,614	6,127	5,708	5,535	5,703	6,246	5,782	5,524	4,901	4,497	65,645
	Jebong	101	93	80	107	107	128	159	313	437	404	180	86	2,195
42	Ketam	1,131	895	983	928	966	1,036	1,099	1,192	1,008	1,081	1,075	904	12,298
43	Udang Karang/Lobok	101	78	156	81	92	99	98	126	143	195	173	270	1,612
45	Udang Putih	1,349	1,330	1,275	1,099	1,159	1,235	1,187	1,153	1,958	1,491	1,355	1,518	16,109
	Udang Minyak	807	874	695	677	528	525	376	526	448	433	516	464	6,869
	Udang Merah Ros	135	137	145	130	109	112	124	92	114	116	50	79	1,343
	Udang Kulit Keras	313	405	380	426	350	451	474	437	268	243	466	393	4,606
	Udang Harimau	81	85	75	80	89	78	78	78	92	89	91	90	1,006
	Lain-lain Jenis Udang	3,873	3,946	4,402	3,414	3,089	3,283	2,805	3,062	2,994	2,408	2,813	3,076	39,165
	Udang Baring	618	736	781	531	470	459	604	847	988	877	735	721	8,367
53	Siput/Kepah/Kupang/Tiram	269	369	336	312	378	367	367	378	274	310	335	254	3,949
57	Sotong Kurita	98	83	84	81	97	135	132	170	143	187	143	127	1,480
	Sotong Katak	1,619	1,840	1,999	1,658	1,747	1,714	1,908	1,915	2,066	1,812	1,785	1,404	21,467
	Sotong Biasa	3,428	3,980	4,332	4,037	3,870	3,795	3,727	3,769	3,616	3,786	3,398	3,544	45,282
77	Ubur-Ubur	955	1,432	1,508	1,206	1,011	1,110	406	553	539	470	373	730	10,293
	Jumlah/*Total*	93,091	98,446	99,466	98,403	99,548	108,676	105,823	115,656	120,747	114,616	95,409	81,408	1,231,289

Jadual *(Table)* **4.5.1**

SEMENANJUNG MALAYSIA/ PENINSULAR MALAYSIA

PENDARATAN IKAN LAUT MENGIKUT BULAN DAN SPESIS, 2001

LANDINGS OF MARINE FISH BY MONTH AND SPECIES, 2001

(Tan Metrik/*Tonnes***)**

ISSCAAP GROUP NO.	Spesis *Species* / Nama Tempatan *Local Name*	Januari *January*	Febuari *February*	Mac *March*	April *April*	Mei *May*	Jun *June*	Julai *July*	Ogos *August*	September *September*	Oktober *October*	November *November*	Disember *December*	Jumlah *Total*
24	Kebasi Selangat	210	214	212	467	382	225	196	233	256	241	219	153	3,008
	Puput/B.Mata/Tirok	415	702	631	852	558	705	640	651	624	353	473	545	7,149
	Terubok	2	1	0	0	0	0	0	0	25	6	6	10	50
25	Siakap	18	22	18	15	15	18	22	19	18	29	41	21	256
31	Lidah	155	161	188	158	169	158	155	163	163	149	227	162	2,008
	Sebelah	66	70	60	55	59	76	93	88	57	59	52	49	784
33	Bayan	8	5	6	14	17	13	20	24	38	24	12	5	186
	Biji Nangka	593	641	607	723	743	810	666	688	862	805	918	706	8,762
	Daun Baharu	14	9	11	13	17	20	17	17	15	18	15	11	177
	Delah/Pinang-Pinang	40	45	21	51	51	27	55	71	56	53	34	11	515
	Duri/Pulutan/Utik	449	485	497	522	684	558	512	790	775	1,013	767	701	7,753
	Dengkis/Debam	49	56	59	58	56	59	91	112	77	73	57	20	767
	Gelama/Tengkerong/Selampai	1,069	1,150	1,200	1,401	1,347	1,222	1,142	1,168	1,200	1,185	1,088	963	14,135
	Gerut-Gerut	49	47	53	59	64	70	55	59	68	104	61	47	736
	Jenahak	35	42	43	51	44	50	39	44	47	54	69	54	572
	Kaci	60	67	56	75	77	80	88	104	112	97	64	32	912
	Kerapu	288	281	291	364	357	378	402	443	450	368	218	148	3,988
	Kerisi	1,421	1,403	1,620	1,595	1,797	1,665	1,419	1,837	1,823	1,909	1,547	1,163	19,199
	kerisi Bali	130	149	139	189	262	179	157	231	265	243	258	163	2,365
	Kikek	64	119	65	62	86	65	107	93	87	141	80	49	1,018
	Malong	244	221	246	237	154	186	267	135	179	261	213	134	2,477
	Merah	99	162	214	151	190	146	161	187	202	208	133	80	1,933
	Mengkerong/conor/Ubi-Ubi	1,120	1,042	1,141	1,158	1,216	1,243	1,090	1,115	1,151	1,141	1,396	1,001	13,814
	Remong/Kunyit-Kunyit/Tanda	188	194	211	266	265	268	274	301	333	331	214	108	2,953
	Semilang	146	139	106	86	125	127	108	100	106	100	123	91	1,357
	Shrumbu/Lemah	0	1	0	0	0	0	1	0	0	0	0	0	2
	Puntung Damar/Bulus	157	146	137	123	125	141	173	220	184	129	136	133	1,804
	Pasir-Pasir/Timun-Timun	122	119	133	138	123	134	145	154	191	154	119	55	1,587
34	Alu-Alu/Kacang-Kacang	136	151	155	146	164	155	164	142	169	176	136	104	1,798
	Aruan Tasik	44	45	38	46	41	42	56	57	61	62	41	24	557
	Bawal	771	519	557	542	472	467	520	469	518	541	482	409	6,267

samb.dari Jadual 4.5.1
(cont'd from Table 4.5.1)

	Belanak/Kedera	559	350	118	114	237	143	167	259	161	266	193	305	2,872
	Cermin/Sagai/Cupak	147	174	189	188	205	173	228	252	323	305	217	126	2,527
	Cincaru	395	847	483	635	770	384	685	412	482	636	603	396	6,728
	Demuduk/Rambai	42	51	161	186	101	81	85	119	255	145	320	51	1,597
	Kurau/Senangin/Senohong	147	167	188	168	185	218	188	227	222	197	202	173	2,282
	Pelata/Selar	1,638	1,932	1,840	1,790	1,707	1,579	1,564	1,940	1,734	1,457	1,339	776	19,296
	Selar Kuning/Lolong	3,825	4,109	4,462	3,021	2,191	2,585	2,987	3,524	3,997	3,498	2,156	945	37,300
	Selayang/Curut	4,828	3,066	2,736	3,368	2,662	2,681	5,685	10,285	12,706	10,313	3,920	1,310	63,560
	Pisang-Pisang	2	11	2	19	17	25	23	9	7	16	2	3	136
	Talang	84	49	53	57	52	86	40	50	59	150	89	46	815
	Bilis/Bunga Air	844	1,474	986	909	900	1,840	2,128	1,969	1,732	1,332	372	574	15,060
	Parang-Parang	203	229	305	283	269	269	293	245	268	301	250	220	3,135
35	Tamban	2,366	1,602	3,414	1,417	2,008	2,986	1,949	2,390	2,609	3,435	1,586	383	26,145
	Bulan-Bulan	1	2	0	1	1	2	1	1	1	1	1	1	13
36	Aya/Kayu/Tongkol	2,045	3,904	3,727	4,959	3,930	3,443	4,019	4,080	3,749	3,396	2,061	700	40,013
	Layaran/Mersuji	3	4	2	4	1	0	2	0	0	0	2	1	19
37	Kembong/Temenong/Pelaling	6,192	6,801	6,612	7,189	7,701	7,335	7,983	7,849	8,276	8,453	5,880	3,601	83,872
	Tenggiri	602	515	469	468	472	551	512	550	654	744	682	414	6,633
	Timah/layor/Selayor	267	394	288	157	786	168	210	229	206	306	187	159	3,357
38	Pari	714	981	856	819	847	1,024	828	903	906	835	840	691	10,244
	Yu	208	243	285	288	280	322	345	344	358	284	249	186	3,392
39	Ikan Baja	21,160	22,629	21,683	21,249	23,001	26,294	24,489	26,260	26,334	26,256	26,543	21,964	287,862
	Ikan Campur	2,658	2,702	2,849	2,873	2,559	2,513	2,983	3,422	3,190	3,227	3,048	2,499	34,523
	Jebong	73	67	58	80	74	96	127	286	404	373	149	57	1,844
42	Ketam	756	567	575	544	535	588	594	672	601	605	605	353	6,995
43	Udang Karang/Lobok	64	37	103	35	36	50	51	41	46	49	55	37	604
45	Udang Putih	487	497	512	447	476	499	437	479	427	319	369	398	5,347
	Udang Minyak	739	830	654	633	476	470	326	476	371	378	465	416	6,234
	Udang Merah Ros	82	88	90	83	67	67	61	47	67	53	9	17	731
	Udang Kulit Keras	194	261	229	242	196	339	383	336	194	162	395	288	3,219
	Udang Harimau	41	47	34	34	42	34	35	34	33	31	41	39	445
	Lain-lain Jenis Udang	2,808	3,041	3,141	2,646	2,549	2,765	2,333	2,490	2,421	1,937	2,348	2,432	30,911
	Udang Baring	576	628	747	523	455	441	592	834	973	862	724	714	8,069
53	Siput/Kepah/Kupang/Tiram	193	275	277	236	303	291	282	289	192	241	263	177	3,019
57	Sotong Kurita	74	61	59	54	75	108	109	145	114	160	118	95	1,172
	Sotong Katak	1,383	1,598	1,769	1,408	1,512	1,474	1,636	1,677	1,769	1,552	1,534	1,168	18,480
	Sotong Biasa	2,594	2,728	3,561	3,021	2,967	2,933	2,823	2,918	2,677	2,658	2,449	2,160	33,489
77	Ubur-Ubur	661	648	720	729	770	839	305	410	368	302	277	343	6,372
	Jumlah/*Total*	67,817	72,017	72,952	70,494	71,075	74,983	76,323	86,168	88,998	85,262	69,742	51,370	887,201

Jadual *(Table)* 4.5.2

PANTAI BARAT SEMENANJUNG MALAYSIA/WEST COAST OF PENINSULAR MALAYSIA

PENDARATAN IKAN LAUT MENGIKUT BULAN DAN SPESIS, 2001

LANDINGS OF MARINE FISH BY MONTH AND SPECIES, 2001

(Tan Metrik/Tonnes)

ISSCAAP GROUP NO.	**Spesis** *Species* / **Nama Tempatan** *Local Name*	**Januari** *January*	**Februari** *February*	**Mac** *March*	**April** *April*	**Mei** *May*	**Jun** *June*	**Julai** *July*	**Ogos** *August*	**September** *September*	**Oktober** *October*	**November** *November*	**Disember** *December*	**Jumlah** *Total*
24	Kebasi Selangat	210	214	212	467	382	225	196	233	256	241	219	153	3,008
	Puput/B.Mata/Tirok	409	687	612	827	550	695	638	646	615	351	471	544	7,045
	Terubok	2	1	0	0	0	0	0	0	25	6	6	10	50
25	Siakap	16	14	11	10	13	16	21	18	17	18	33	17	204
31	Lidah	129	136	166	138	154	139	132	140	133	126	205	144	1,742
	Sebelah	41	46	37	37	37	49	64	61	28	33	25	35	493
33	Bayan	0	0	0	0	0	0	0	0	0	0	0	0	0
	Biji Nangka	431	433	447	567	611	627	512	530	625	502	638	578	6,501
	Daun Baharu	7	5	6	5	7	10	5	5	6	6	6	7	75
	Delah/Pinang-Pinang	1	1	0	0	0	0	0	11	0	0	0	1	14
	Duri/Pulutan/Utik	335	386	385	384	334	423	386	633	635	583	651	578	5,713
	Dengkis/Debam	15	13	16	4	3	8	14	15	3	3	3	3	100
	Gelama/Tengkerong/Selampai	892	966	930	1,240	1,036	969	910	918	932	848	844	848	11,333
	Gerut-Gerut	43	44	49	54	54	60	49	51	48	96	52	45	645
	Jenahak	34	41	39	48	42	47	37	42	45	49	65	53	542
	Kaci	3	4	7	5	9	7	8	8	12	10	9	7	89
	Kerapu	125	108	104	108	107	105	93	96	92	110	93	84	1,225
	Kerisi	558	551	647	632	665	657	542	559	530	540	529	481	6,891
	Kerisi Bali	13	16	10	16	20	24	15	16	14	22	13	17	196
	Kikek	9	11	10	9	11	10	10	11	11	12	11	7	122
	Malong	230	212	240	231	142	178	260	128	168	243	199	126	2,357
	Merah	9	8	11	12	12	17	11	14	9	12	15	17	147
	Mengkerong/conor/Ubi-Ubi	829	741	870	953	938	928	776	772	772	749	939	747	10,014
	Remong/Kunyit-Kunyit/Tanda	13	26	18	35	40	34	36	34	31	30	32	27	356
	Semilang	146	138	104	86	124	126	100	99	104	99	121	91	1,338
	Shrumbu/Lemah	0	1	0	0	0	0	1	0	0	0	0	0	2
	Puntung Damar/Bulus	81	74	90	93	105	99	121	173	143	93	99	104	1,275
	Pasir-Pasir/Timun-Timun	18	5	7	10	5	6	3	6	3	7	8	10	88
34	Alu-Alu/Kacang-Kacang	50	52	50	45	48	49	46	44	50	62	51	49	596
	Aruan Tasik	18	21	11	12	14	11	12	15	11	9	10	6	150
	Bawal	416	354	366	386	375	385	356	352	451	492	419	371	4,723

samb.dari Jadual 4.5.2
(cont'd from Table 4.5.2)

	Belanak/Kedera	556	343	112	103	233	138	161	253	156	253	192	291	2,791
	Cermin/Sagai/Cupak	27	30	37	33	39	34	36	78	53	48	59	39	513
	Cincaru	212	172	184	138	181	193	469	253	200	348	402	256	3,008
	Demuduk/Rambai	21	20	24	30	26	39	23	28	41	33	30	34	349
	Kurau/Senangin/Senohong	142	161	182	159	177	211	173	220	214	187	195	149	2,170
	Pelata/Selar	367	214	214	277	546	390	464	457	438	553	587	543	5,050
	Selar Kuning/Lolong	320	203	220	277	475	266	261	338	337	403	324	269	3,693
	Selayang/Curut	356	402	348	446	614	413	553	538	611	526	540	464	5,811
	Pisang-Pisang	1	1	0	3	8	25	5	9	7	12	2	2	75
	Talang	40	39	41	47	37	49	28	36	50	54	73	43	537
	Bilis/Bunga Air	836	1,449	861	705	580	575	565	699	469	299	329	567	7,934
	Parang-Parang	132	155	220	202	187	172	174	115	145	151	147	149	1,949
35	Tamban	195	112	443	225	508	753	236	397	403	394	350	264	4,280
	Bulan-Bulan	1	2	0	0	1	2	1	1	1	1	1	1	12
36	Aya/Kayu/Tongkol	340	259	584	647	890	794	1,077	1,048	998	994	816	531	8,978
	Layaran/Mersuji	0	0	0	0	0	0	0	0	0	0	0	1	1
37	Kembong/Temenong/Pelaling	4,954	5,292	5,050	5,797	6,545	6,246	6,194	5,922	6,157	6,033	4,557	3,230	65,977
	Tenggiri	340	277	244	257	274	314	297	308	350	404	491	301	3,857
	Timah/layor/Selayor	159	145	125	82	691	94	115	127	111	189	90	101	2,029
38	Pari	394	417	406	448	469	598	397	483	498	442	480	483	5,515
	Yu	92	94	100	105	104	136	93	112	111	105	105	96	1,253
39	Ikan Baja	14,929	16,313	14,714	15,063	15,475	16,279	14,195	15,801	16,446	15,594	16,763	15,828	187,400
	Ikan Campur	1,103	1,241	1,170	1,180	1,124	1,163	1,160	1,077	1,052	1,107	1,209	1,580	14,166
	Jebong	15	13	12	19	22	19	18	17	18	16	17	16	202
42	Ketam	577	422	421	405	375	384	340	414	355	385	401	276	4,755
43	Udang Karang/Lobok	27	2	64	1	1	2	1	1	1	1	1	2	104
45	Udang Putih	389	392	434	409	441	460	404	453	396	294	315	338	4,725
	Udang Minyak	670	716	570	618	467	459	317	467	365	361	407	341	5,758
	Udang Merah Ros	82	88	90	83	67	67	61	47	67	53	9	17	731
	Udang Kulit Keras	141	211	192	237	192	334	377	335	191	159	376	263	3,008
	Udang Harimau	19	30	20	25	34	23	21	22	21	19	25	24	283
	Lain-lain Jenis Udang	2,189	2,487	2,723	2,477	2,361	2,577	2,165	2,294	2,217	1,686	1,933	2,004	27,113
	Udang Baring	576	628	747	523	455	441	512	777	917	692	724	714	7,706
53	Siput/Kepah/Kupang/Tiram	193	275	276	234	302	291	281	286	192	241	263	176	3,010
57	Sotong Kurita	65	44	44	44	68	70	58	93	62	107	71	78	804
	Sotong Katak	800	925	1,118	809	776	731	783	858	873	749	705	696	9,823
	Sotong Biasa	1,927	1,738	1,929	1,860	1,677	1,547	1,564	1,769	1,522	1,539	1,558	1,620	20,250
77	Ubur-Ubur	661	648	720	729	770	839	305	410	368	302	277	343	6,372
	Jumlah/*Total*	38,931	41,269	40,094	41,111	43,030	43,032	39,238	42,173	42,182	40,086	40,590	37,290	489,026

Jadual *(Table)* 4.5.3

PANTAI TIMUR SEMENANJUNG MALAYSIA/EAST COAST OF PENINSULAR MALAYSIA

PENDARATAN IKAN LAUT MENGIKUT BULAN DAN SPESIS, 2001

LANDINGS OF MARINE FISH BY MONTH AND SPECIES, 2001

(Tan Metrik/Tonnes)

ISSCAAP GROUP NO.	Spesis / Species Nama Tempatan / Local Name	Januari / January	Febuari / February	Mac / March	April / April	Mei / May	Jun / June	Julai / July	Ogos / August	September / September	Oktober / October	November / November	Disember / December	Jumlah / Total
24	Kebasi Selangat	0	0	0	0	0	0	0	0	0	0	0	0	0
	Puput/B.Mata/Tirok	6	15	19	25	8	10	2	5	9	2	2	1	104
	Terubok	0	0	0	0	0	0	0	0	0	0	0	0	0
25	Siakap	2	8	7	5	2	2	1	1	1	11	8	4	52
31	Lidah	26	25	22	20	15	19	23	23	30	23	22	18	266
	Sebelah	25	24	23	18	22	27	29	27	29	26	27	14	291
33	Bayan	8	5	6	14	17	13	20	24	38	24	12	5	186
	Biji Nangka	162	208	160	156	132	183	154	158	237	303	280	128	2,261
	Daun Baharu	7	4	5	8	10	10	12	12	9	12	9	4	102
	Delah/Pinang-Pinang	39	44	21	51	51	27	55	60	56	53	34	10	501
	Duri/Pulutan/Utik	114	99	112	138	350	135	126	157	140	430	116	123	2,040
	Dengkis/Debam	34	43	43	54	53	51	77	97	74	70	54	17	667
	Gelama/Tengkerong/Selampai	177	184	270	161	311	253	232	250	268	337	244	115	2,802
	Gerut-Gerut	6	3	4	5	10	10	6	8	20	8	9	2	91
	Jenahak	1	1	4	3	2	3	2	2	2	5	4	1	30
	Kaci	57	63	49	70	68	73	80	96	100	87	55	25	823
	Kerapu	163	173	187	256	250	273	309	347	358	258	125	64	2,763
	Kerisi	863	852	973	963	1,132	1,008	877	1,278	1,293	1,369	1,018	682	12,308
	Kerisi Bali	117	133	129	173	242	155	142	215	251	221	245	146	2,169
	Kikek	55	108	55	53	75	55	97	82	76	129	69	42	896
	Malong	14	9	6	6	12	8	7	7	11	18	14	8	120
	Merah	90	154	203	139	178	129	150	173	193	196	118	63	1,786
	Mengkerong/conor/Ubi-Ubi	291	301	271	205	278	315	314	343	379	392	457	254	3,800
	Remong/Kunyit-Kunyit/Tanda	175	168	193	231	225	234	238	267	302	301	182	81	2,597
	Semilang	0	1	2	0	1	1	8	1	2	1	2	0	19
	Shrumbu/Lemah	0	0	0	0	0	0	0	0	0	0	0	0	0
	Puntung Damar/Bulus	76	72	47	30	20	42	52	47	41	36	37	29	529
	Pasir-Pasir/Timun-Timun	104	114	126	128	118	128	142	148	188	147	111	45	1,499
34	Alu-Alu/Kacang-Kacang	86	99	105	101	116	106	118	98	119	114	85	55	1,202
	Aruan Tasik	26	24	27	34	27	31	44	42	50	53	31	18	407
	Bawal	355	165	191	156	97	82	164	117	67	49	63	38	1,544

samb.dari Jadual 4.5.3
(cont'd from Table 4.5.3)

	Belanak/Kedera	3	7	6	11	4	5	6	6	5	13	1	14	81
	Cermin/Sagai/Cupak	120	144	152	155	166	139	192	174	270	257	158	87	2,014
	Cincaru	183	675	299	497	589	191	216	159	282	288	201	140	3,720
	Demuduk/Rambai	21	31	137	156	75	42	62	91	214	112	290	17	1,248
	Kurau/Senangin/Senohong	5	6	6	9	8	7	15	7	8	10	7	24	112
	Pelata/Selar	1,271	1,718	1,626	1,513	1,161	1,189	1,100	1,483	1,296	904	752	233	14,246
	Selar Kuning/Lolong	3,505	3,906	4,242	2,744	1,716	2,319	2,726	3,186	3,660	3,095	1,832	676	33,607
	Selayang/Curut	4,472	2,664	2,388	2,922	2,048	2,268	5,132	9,747	12,095	9,787	3,380	846	57,749
	Pisang-Pisang	1	10	2	16	9	0	18	0	0	4	0	1	61
	Talang	44	10	12	10	15	37	12	14	9	96	16	3	278
	Bilis/Bunga Air	8	25	125	204	320	1,265	1,563	1,270	1,263	1,033	43	7	7,126
	Parang-Parang	71	74	85	81	82	97	119	130	123	150	103	71	1,186
35	Tamban	2,171	1,490	2,971	1,192	1,500	2,233	1,713	1,993	2,206	3,041	1,236	119	21,865
	Bulan-Bulan	0	0	0	1	0	0	0	0	0	0	0	0	1
36	Aya/Kayu/Tongkol	1,705	3,645	3,143	4,312	3,040	2,649	2,942	3,032	2,751	2,402	1,245	169	31,035
	Layaran/Mersuji	3	4	2	4	1	0	2	0	0	0	2	0	18
37	Kembong/Temenong/Pelaling	1,238	1,509	1,562	1,392	1,156	1,089	1,789	1,927	2,119	2,420	1,323	371	17,895
	Tenggiri	262	238	225	211	198	237	215	242	304	340	191	113	2,776
	Timah/layor/Selayor	108	249	163	75	95	74	95	102	95	117	97	58	1,328
38	Pari	320	564	450	371	378	426	431	420	408	393	360	208	4,729
	Yu	116	149	185	183	176	186	252	232	247	179	144	90	2,139
39	Ikan Baja	6,231	6,316	6,969	6,186	7,526	10,015	10,294	10,459	9,888	10,662	9,780	6,136	100,462
	Ikan Campur	1,555	1,461	1,679	1,693	1,435	1,350	1,823	2,345	2,138	2,120	1,839	919	20,357
	Jebong	58	54	46	61	52	77	109	269	386	357	132	41	1,642
42	Ketam	179	145	154	139	160	204	254	258	246	220	204	77	2,240
43	Udang Karang/Lobok	37	35	39	34	35	48	50	40	45	48	54	35	500
45	Udang Putih	98	105	78	38	35	39	33	26	31	25	54	60	622
	Udang Minyak	69	114	84	15	9	11	9	9	6	17	58	75	476
	Udang Merah Ros	0	0	0	0	0	0	0	0	0	0	0	0	0
	Udang Kulit Keras	53	50	37	5	4	5	6	1	3	3	19	25	211
	Udang Harimau	22	17	14	9	8	11	14	12	12	12	16	15	162
	Lain-lain Jenis Udang	619	554	418	169	188	188	168	196	204	251	415	428	3,798
	Udang Baring	0	0	0	0	0	0	80	57	56	170	0	0	363
53	Siput/Kepah/Kupang/Tiram	0	0	1	2	1	0	1	3	0	0	0	1	9
57	Sotong Kurita	9	17	15	10	7	38	51	52	52	53	47	17	368
	Sotong Katak	583	673	651	599	736	743	853	819	896	803	829	472	8,657
	Sotong Biasa	667	990	1,632	1,161	1,290	1,386	1,259	1,149	1,155	1,119	891	540	13,239
77	Ubur-Ubur	0	0	0	0	0	0	0	0	0	0	0	0	0
	Jumlah/*Total*	28,886	30,748	32,858	29,383	28,045	31,951	37,085	43,995	46,816	45,176	29,152	14,080	398,175

Jadual *(Table)* 4.5.4

SARAWAK

PENDARATAN IKAN LAUT MENGIKUT BULAN DAN SPESI, 2001

LANDINGS OF MARINE FISH BY MONTH AND SPECIES, 2001

(Tan Metrik/*Tonnes***)**

ISSCAAP GROUP NO.	Spesis *Species* / Nama Tempatan *Local Name*	Januari *January*	Febuari *February*	Mac *March*	April *April*	Mei *May*	Jun *June*	Julai *July*	Ogos *August*	September *September*	Oktober *October*	November *November*	Disember *December*	Jumlah *Total*
24	Kebasi Selangat	28	37	36	22	20	20	23	28	28	26	24	24	316
	Puput/B.Mata/Tirok	178	152	181	317	404	430	361	326	243	261	247	50	3,150
	Terubok	12	21	127	160	90	71	87	178	145	105	52	8	1,056
25	Siakap	2	5	0	0	0	0	0	0	0	0	0	0	7
31	Lidah	27	26	24	16	24	14	18	15	16	14	3	8	205
	Sebelah	45	30	30	38	31	27	29	31	29	28	9	19	346
33	Bayan	0	0	0	0	0	0	0	0	0	0	0	0	0
	Biji Nangka	324	210	410	461	386	312	318	212	280	270	198	302	3,683
	Daun Baharu	27	17	30	14	17	21	22	37	24	20	9	15	253
	Delah/Pinang-Pinang	1	0	0	0	0	0	0	0	0	0	0	0	1
	Duri/Pulutan/Utik	289	262	279	352	334	341	386	308	293	298	155	207	3,504
	Dengkis/Debam	0	0	0	0	0	0	0	0	0	0	0	0	0
	Gelama/Tengkerong/Selampai	449	355	365	604	611	610	561	548	2,527	522	317	4,478	11,947
	Gerut-Gerut	3	12	3	1	16	6	2	33	12	163	1	3	255
	Jenahak	25	34	43	32	31	39	43	41	31	31	11	16	377
	Kaci	26	26	22	28	44	42	49	29	30	17	10	19	342
	Kerapu	58	65	99	81	66	68	100	101	77	85	26	21	847
	Kerisi	327	235	236	344	383	325	312	209	220	97	193	250	3,131
	kerisi Bali	40	48	46	63	68	55	69	60	74	60	21	19	623
	Kikek	30	30	49	43	43	37	44	68	30	26	8	9	417
	Malong	123	105	98	72	115	58	104	122	115	142	82	183	1,319
	Merah	130	179	148	194	197	202	268	223	212	208	131	155	2,247
	Mengkerong/conor/Ubi-Ubi	0	0	0	0	0	0	0	0	0	0	0	0	0
	Remong/Kunyit-Kunyit/Tanda	0	0	0	0	0	0	0	0	0	0	0	0	0
	Semilang	1	1	1	1	0	1	1	0	3	1	1	0	11
	Shrumbu/Lemah	28	32	39	52	49	28	47	40	34	28	6	9	392
	Puntung Damar/Bulus	0	0	0	0	0	0	0	0	0	0	0	0	0
	Pasir-Pasir/Timun-Timun	0	0	0	0	0	0	0	0	0	0	0	0	0
34	Alu-Alu/Kacang-Kacang	13	14	28	33	28	19	16	31	42	32	22	27	305
	Aruan Tasik	0	0	0	0	0	0	0	0	0	0	0	0	0
	Bawal	71	78	89	125	120	112	119	109	90	80	35	38	1,066

samb.dari Jadual 4.5.4
(cont'd from Table 4.5.4)

	Belanak/Kedera	2	3	2	1	1	1	1	0	28	8	17	28	92
	Cermin/Sagai/Cupak	7	16	17	23	28	28	31	26	23	17	4	6	226
	Cincaru	100	117	108	174	164	184	159	154	93	50	46	44	1,393
	Demuduk/Rambai	47	59	69	86	83	73	67	82	58	58	16	20	718
	Kurau/Senangin/Senohong	15	27	31	53	34	33	37	46	30	34	17	24	381
	Pelata/Selar	117	101	112	107	172	103	120	168	101	97	42	159	1,399
	Selar Kuning/Lolong	109	78	125	110	99	197	71	91	131	68	25	59	1,163
	Selayang/Curut	9	13	14	14	13	152	25	19	192	88	64	41	644
	Pisang-Pisang	0	0	0	0	0	0	0	0	0	0	0	0	0
	Talang	32	35	55	49	45	62	55	55	48	52	89	31	608
	Bilis/Bunga Air	3	0	0	0	6	0	0	0	2	0	0	0	11
	Parang-Parang	34	41	47	49	39	37	55	42	43	40	16	25	468
35	Tamban	202	294	465	300	218	261	323	282	345	186	195	349	3,420
	Bulan-Bulan	0	0	0	0	0	0	0	0	0	2	0	0	2
36	Aya/Kayu/Tongkol	139	395	338	271	315	445	393	345	620	633	343	198	4,435
	Layaran/Mersuji	0	0	0	0	0	0	0	0	0	0	0	0	0
37	Kembong/Temenong/Pelaling	240	242	235	292	376	339	395	286	347	337	260	283	3,632
	Tenggiri	209	265	490	449	611	539	497	320	258	300	221	155	4,314
	Timah/layor/Selayor	90	110	119	199	156	190	149	147	90	71	28	33	1,382
38	Pari	325	301	305	308	353	372	438	287	328	359	348	445	4,169
	Yu	285	195	288	397	327	286	321	267	228	295	346	344	3,579
39	Ikan Baja	2,706	2,146	2,373	2,542	2,643	7,743	2,894	3,824	3,866	3,080	3,041	2,589	39,447
	Ikan Campur	1,927	1,800	2,378	2,909	2,716	2,577	2,286	2,430	2,107	1,789	1,386	1,531	25,836
	Jebong	0	0	0	0	0	0	0	0	0	0	0	0	0
42	Ketam	78	50	66	49	56	68	113	87	116	161	145	243	1,232
43	Udang Karang/Lobok	17	17	19	10	12	15	16	55	70	113	81	193	618
45	Udang Putih	540	498	428	314	296	323	344	295	1,158	789	635	692	6,312
	Udang Minyak	29	5	5	5	5	6	3	5	35	11	10	4	123
	Udang Merah Ros	4	7	0	0	0	0	0	0	0	0	0	8	19
	Udang Kulit Keras	94	117	122	155	112	73	49	61	34	34	31	60	942
	Udang Harimau	4	3	3	3	2	2	3	2	15	8	5	7	57
	Lain-lain Jenis Udang	744	608	945	458	216	229	209	241	258	221	219	353	4,701
	Udang Baring	2	3	9	3	9	11	5	5	7	7	5	1	67
53	Siput/Kepah/Kupang/Tiram	0	0	0	0	0	0	0	0	0	1	0	1	2
57	Sotong Kurita	0	0	0	0	0	0	0	0	0	0	0	0	0
	Sotong Katak	54	51	36	44	22	45	46	23	36	37	22	39	455
	Sotong Biasa	224	129	315	553	420	402	388	372	465	573	532	907	5,280
77	Ubur-Ubur	287	774	775	466	226	260	90	131	157	157	85	373	3,781
	Jumlah/*Total*	10,932	10,474	12,677	13,446	12,852	17,894	12,562	12,897	15,844	12,190	9,835	15,105	156,708

SABAH

PENDARATAN IKAN LAUT MENGIKUT BULAN DAN SPESIS, 2001

LANDINGS OF MARINE FISH BY MONTH AND SPECIES, 2001

(Tan Metrik/*Tonnes***)**

ISSCAAP GROUP NO.	Spesis *Species* / Nama Tempatan *Local Name*	Januari *January*	Febuari *February*	Mac *March*	April *April*	Mei *May*	Jun *June*	Julai *July*	Ogos *August*	September *September*	Oktober *October*	November *November*	Disember *December*	Jumlah *Total*
24	Kebasi Selangat	50	53	43	51	55	66	75	61	62	65	63	57	701
	Puput/B.Mata/Tirok	117	216	94	96	135	131	126	211	223	361	310	320	2,340
	Terubok	0	0	0	0	0	0	0	0	0	0	0	0	0
25	Siakap	126	121	124	106	99	92	118	96	92	97	101	83	1,255
31	Lidah	17	14	17	16	15	16	16	16	17	18	17	13	192
	Sebelah	46	36	41	37	41	39	37	45	44	48	46	40	500
33	Bayan	86	102	145	154	144	178	135	144	185	203	108	178	1,762
	Biji Nangka	36	32	39	29	25	81	26	39	39	24	23	24	417
	Daun Baharu	18	13	14	12	16	17	14	17	17	15	13	11	177
	Delah/Pinang-Pinang	52	26	38	25	22	15	17	52	56	20	18	14	355
	Duri/Pulutan/Utik	238	217	227	248	233	244	207	225	211	233	240	208	2,731
	Dengkis/Debam	48	42	47	48	41	47	79	61	50	56	48	54	621
	Gelama/Tengkerong/Selampai	198	186	203	204	238	212	207	220	201	241	188	233	2,531
	Gerut-Gerut	40	41	33	37	43	47	48	41	43	47	42	37	499
	Jenahak	140	122	170	252	231	263	233	255	175	234	174	183	2,432
	Kaci	5	4	6	4	4	4	5	10	11	7	7	8	75
	Kerapu	376	505	418	362	518	592	508	483	422	398	509	387	5,478
	Kerisi	379	475	448	474	592	564	595	586	563	629	544	556	6,405
	Kerisi Bali	157	101	195	161	140	155	159	145	96	102	139	71	1,621
	Kikek	73	90	58	54	57	60	57	66	65	62	50	52	744
	Malong	92	99	104	111	110	99	101	103	98	104	117	83	1,221
	Merah	197	208	279	247	239	310	331	278	257	321	308	247	3,222
	Mengkerong/conor/Ubi-Ubi	307	328	279	294	306	351	350	310	280	374	373	256	3,808
	Remong/Kunyit-Kunyit/Tanda	105	96	104	103	83	109	133	120	70	118	103	103	1,247
	Semilang	52	55	55	52	47	44	64	45	57	54	47	47	619
	Shrumbu/Lemah	3	2	6	2	2	2	2	1	2	2	3	1	28
	Puntung Damar/Bulus	13	11	16	11	18	18	26	26	25	30	18	40	252
	Pasir-Pasir/Timun-Timun	4	2	3	2	4	2	2	4	0	2	2	1	28
34	Alu-Alu/Kacang-Kacang	228	283	287	377	501	424	489	423	383	346	340	335	4,416
	Aruan Tasik	0	0	0	0	0	0	0	0	0	0	0	0	0
	Bawal	56	72	82	63	114	76	81	61	62	70	61	60	858

samb.dari Jadual 4.5.5
(cont'd from Table 4.5.5)

	Belanak/Kedera	64	90	111	82	78	86	97	84	103	99	62	63	1,019
	Cermin/Sagai/Cupak	100	111	92	116	111	132	128	123	75	136	141	124	1,389
	Cincaru	403	275	176	331	388	370	785	685	585	729	553	379	5,659
	Demuduk/Rambai	383	431	379	409	460	524	507	522	391	370	382	355	5,113
	Kurau/Senangin/Senohong	108	122	128	138	137	157	161	144	147	146	139	130	1,657
	Pelata/Selar	377	423	227	341	209	151	565	512	291	382	476	345	4,299
	Selar Kuning/Lolong	100	102	96	94	81	106	90	97	108	111	140	137	1,262
	Selayang/Curut	1,173	1,375	777	1,073	1,054	1,098	859	1,094	1,102	1,346	1,146	945	13,042
	Pisang-Pisang	4	8	4	2	4	4	4	4	4	5	8	7	58
	Talang	98	116	121	142	155	211	213	176	219	218	209	192	2,070
	Bilis/Bunga Air	118	139	122	161	234	303	270	258	284	286	242	227	2,644
	Parang-Parang	26	25	43	33	50	31	49	25	25	32	20	22	381
35	Tamban	785	892	641	915	842	926	944	949	1,032	980	968	1,097	10,971
	Bulan-Bulan	7	8	5	9	6	4	16	7	4	11	4	8	89
36	Aya/Kayu/Tongkol	679	692	474	532	544	791	1,179	1,015	1,001	878	944	773	9,502
	Layaran/Mersuji	5	4	18	11	11	10	12	10	11	8	9	10	119
37	Kembong/Temenong/Pelaling	865	1,113	683	781	896	810	880	1,016	1,098	1,267	888	790	11,087
	Tenggiri	280	315	316	360	318	327	299	283	280	329	345	312	3,764
	Timah/layor/Selayor	271	392	561	463	553	501	486	460	405	319	276	283	4,970
38	Pari	166	144	151	236	156	161	161	157	159	185	176	168	2,020
	Yu	148	111	131	112	118	128	138	126	152	127	150	136	1,577
39	Ikan Baja	1,804	1,874	1,849	1,331	1,749	1,493	1,628	1,519	1,432	1,625	1,531	1,586	19,421
	Ikan Campur	365	413	360	305	396	419	413	368	443	461	423	418	4,784
	Jebong	25	25	20	25	29	29	30	25	29	28	25	24	314
42	Ketam	294	276	338	329	368	376	387	432	288	310	321	305	4,024
43	Udang Karang/Lobok	15	20	28	32	39	30	30	29	25	28	30	34	340
45	Udang Putih	311	325	323	326	377	405	398	372	364	374	341	418	4,334
	Udang Minyak	39	39	36	39	47	49	47	45	42	44	41	44	512
	Udang Merah Ros	49	42	55	47	42	45	63	45	47	63	41	54	593
	Udang Kulit Keras	25	27	29	29	42	39	42	40	40	47	40	45	445
	Udang Harimau	31	32	32	37	40	37	36	37	39	45	39	40	445
	Lain-lain Jenis Udang	285	255	283	283	297	270	241	309	289	225	218	267	3,222
	Udang Baring	39	104	24	5	6	7	7	8	8	8	6	6	228
53	Siput/Kepah/Kupang/Tiram	76	94	59	76	75	76	85	89	82	68	72	76	928
57	Sotong Kurita	24	22	25	27	22	27	23	25	29	27	25	32	308
	Sotong Katak	174	182	176	195	198	184	217	205	249	213	219	186	2,398
	Sotong Biasa	597	1,109	437	444	472	451	507	471	466	550	410	469	6,383
77	Ubur-Ubur	7	10	13	11	15	11	11	12	14	11	11	14	140
	Jumlah/*Total*	13,579	15,289	12,918	13,514	14,692	15,037	16,249	15,922	15,168	16,372	15,083	14,223	178,046

Jadual *(Table)* **4.5.6**

LABUAN

PENDARATAN IKAN LAUT MENGIKUT BULAN DAN SPESIS, 2001

LANDINGS OF MARINE FISH BY MONTH AND SPECIES, 2001

(Tan Metrik/*Tonnes***)**

ISSCAAP GROUP NO.	Spesis *Species* / Nama Tempatan *Local Name*	Januari *January*	Febuari *February*	Mac *March*	April *April*	Mei *May*	Jun *June*	Julai *July*	Ogos *August*	September *September*	Oktober *October*	November *November*	Disember *December*	Jumlah *Total*
24	Kebasi Selangat	1	1	1	0	1	1	1	1	1	1	2	1	12
	Puput/B.Mata/Tirok	3	1	1	1	4	1	2	1	3	3	3	3	26
	Terubok	0	0	0	0	0	0	0	0	0	0	0	0	0
25	Siakap	0	0	0	0	0	0	0	0	0	0	0	0	0
31	Lidah	1	1	1	1	1	1	1	1	1	1	1	1	12
	Sebelah	5	6	9	10	6	4	6	7	7	8	8	6	82
33	Bayan	0	0	0	0	0	0	0	0	0	0	0	0	0
	Biji Nangka	8	7	6	18	10	10	8	7	6	6	7	7	100
	Daun Baharu	6	6	10	6	11	7	5	6	6	6	7	7	83
	Delah/Pinang-Pinang	7	7	6	24	16	10	8	7	8	7	9	9	118
	Duri/Pulutan/Utik	5	6	7	5	8	6	6	5	7	11	11	15	92
	Dengkis/Debam	7	7	8	17	13	8	5	5	12	8	9	7	106
	Gelama/Tengkerong/Selampai	14	15	23	15	11	12	7	10	8	9	14	11	149
	Gerut-Gerut	4	5	6	9	8	6	5	6	40	4	6	4	103
	Jenahak	3	3	5	5	10	4	5	3	5	5	8	3	59
	Kaci	6	6	6	4	13	6	8	8	10	6	9	6	88
	Kerapu	11	13	17	18	21	9	10	11	15	12	17	9	163
	Kerisi	22	11	21	14	15	11	11	12	13	18	15	12	175
	kerisi Bali	10	11	10	25	23	16	13	7	16	9	17	5	162
	Kikek	9	5	13	9	12	9	8	6	8	8	10	7	104
	Malong	1	0	1	0	0	0	0	0	0	1	1	0	4
	Merah	19	14	11	19	26	18	20	18	16	15	14	8	198
	Mengkerong/conor/Ubi-Ubi	0	0	0	0	0	0	0	0	0	1	1	1	3
	Remong/Kunyit-Kunyit/Tanda	13	7	8	13	14	8	12	10	11	12	11	11	130
	Semilang	0	0	0	0	0	0	0	0	0	0	0	0	0
	Shrumbu/Lemah	1	2	2	3	3	1	1	1	1	1	1	0	17
	Puntung Damar/Bulus	0	0	0	0	0	0	0	0	0	0	1	0	1
	Pasir-Pasir/Timun-Timun	2	2	2	3	2	2	2	2	2	2	3	3	27
34	Alu-Alu/Kacang-Kacang	8	9	19	15	10	5	6	4	4	5	5	2	92
	Aruan Tasik	0	0	0	0	0	0	0	0	0	0	0	0	0
	Bawal	9	12	25	15	21	11	5	3	4	1	1	0	107

samb.dari Jadual 4.5.6
(cont'd from Table 4.5.6)

	Belanak/Kedera	2	1	1	1	1	1	2	2	2	2	2	1	18
	Cermin/Sagai/Cupak	45	13	21	24	32	19	23	23	22	23	26	22	293
	Cincaru	13	14	16	23	17	16	12	14	13	19	12	4	173
	Demuduk/Rambai	9	5	8	8	7	7	5	6	8	6	10	6	85
	Kurau/Senangin/Senohong	1	1	1	1	1	1	0	0	0	1	1	0	8
	Pelata/Selar	17	11	29	13	17	14	12	13	9	13	16	21	185
	Selar Kuning/Lolong	14	9	11	8	6	8	10	6	15	12	16	18	133
	Selayang/Curut	5	11	18	20	15	10	10	11	12	11	10	15	148
	Pisang-Pisang	0	0	0	0	0	0	0	0	0	0	0	1	1
	Talang	0	0	0	6	6	4	4	3	3	4	2	1	33
	Bilis/Bunga Air	0	2	1	1	2	1	0	0	0	0	1	0	8
	Parang-Parang	1	1	1	1	2	0	0	0	0	0	0	0	6
35	Tamban	11	16	19	13	14	16	28	23	20	17	11	23	211
	Bulan-Bulan	0	0	0	0	0	0	0	0	0	0	0	0	0
36	Aya/Kayu/Tongkol	178	95	203	226	208	236	167	192	144	236	120	156	2,161
	Layaran/Mersuji	3	2	1	0	2	0	0	2	2	3	3	2	20
37	Kembong/Temenong/Pelaling	43	48	69	135	124	92	55	48	75	66	67	56	878
	Tenggiri	17	11	92	32	21	10	12	12	15	14	12	11	259
	Timah/layor/Selayor	1	1	0	0	0	0	0	0	0	0	0	0	2
38	Pari	14	6	10	5	9	8	8	8	8	9	8	6	99
	Yu	11	10	10	8	11	10	6	5	8	12	14	10	115
39	Ikan Baja	81	60	62	48	54	54	99	78	66	70	105	99	876
	Ikan Campur	37	106	27	40	37	26	21	26	42	47	44	49	502
	Jebong	3	1	2	2	4	3	2	2	4	3	6	5	37
42	Ketam	3	2	4	6	7	4	5	1	3	5	4	3	47
43	Udang Karang/Lobok	5	4	6	4	5	4	1	1	2	5	7	6	50
45	Udang Putih	11	10	12	12	10	8	8	7	9	9	10	10	116
	Udang Minyak	0	0	0	0	0	0	0	0	0	0	0	0	0
	Udang Merah Ros	0	0	0	0	0	0	0	0	0	0	0	0	0
	Udang Kulit Keras	0	0	0	0	0	0	0	0	0	0	0	0	0
	Udang Harimau	5	3	6	6	5	5	4	5	5	5	6	4	59
	Lain-lain Jenis Udang	36	42	33	27	27	19	22	22	26	25	28	24	331
	Udang Baring	1	1	1	0	0	0	0	0	0	0	0	0	3
53	Siput/Kepah/Kupang/Tiram	0	0	0	0	0	0	0	0	0	0	0	0	0
57	Sotong Kurita	0	0	0	0	0	0	0	0	0	0	0	0	0
	Sotong Katak	8	9	18	11	15	11	9	10	12	10	10	11	134
	Sotong Biasa	13	14	19	19	11	9	9	8	8	5	7	8	130
77	Ubur-Ubur	0	0	0	0	0	0	0	0	0	0	0	0	0
	Jumlah/Total	763	666	919	949	929	762	689	669	737	792	749	710	9,334

MALAYSIA

PENDARATAN IKAN LAUT MENGIKUT KUMPULAN PERKAKAS DAN SPESIS, 2001

LANDINGS OF MARINE FISH BY GEAR GROUP AND SPECIES, 2001

(Tan Metrik/*Tonnes*)

ISSCAAP GROUP NO.	Spesis *Species* / Nama Tempatan *Local Name*	Pukat Tunda Trawl Nets	Pukat Jerut Ikan Fish Purse Seines	Pukat Jerut Bilis Anchovy Purse Seines	Pukat Tarik Lain Other Seines	Pukat Hanyut *Drift/Gill Nets*	Pukat Tangguk *Lift Nets*	Belat *Stationary Traps*	Bubu *Portable Traps*	Pancing Hook & Line	Pukat Bakul Bag *Nets*	Pukat Rentang Barrire Nets	Pukat Surung Push/Scoop Net	Memungut Siput Shellfish Collection	Rampaian *Miscellaneous*	Jumlah Total
24	Kebasi/Selangat	1273	1	0	6	2685	0	39	12	2	9	1	9	0	0	4,037
	Puput/B.Mata/Tirok	6732	101	11	501	5312	4	2	0	2	0	0	0	0	0	12,665
	Terubok	73	0	0	0	1033	0	0	0	0	0	0	0	0	0	1,106
25	Siakap	47	0	0	0	395	0	28	72	953	0	18	2	0	3	1,518
31	Lidah	1741	0	0	2	555	0	40	59	0	3	17	0	0	0	2,417
	Sebelah	1425	0	0	0	230	0	45	1	0	3	8	0	0	0	1,712
33	Bayan	203	0	0	156	33	0	4	200	1324	0	0	0	0	28	1,948
	Biji Nangka	12594	0	0	0	96	0	0	263	9	0	0	0	0	0	12,962
	Daun Baharu	443	0	0	0	190	0	4	12	18	0	0	0	0	23	690
	Delah/Pinang-Pinang	40	29	0	0	40	0	4	442	128	0	0	0	0	306	989
	Duri/Pulutan/Utik	6192	127	503	98	4967	3	159	32	1722	25	217	21	0	0	14,080
	Dengkis/Debam	491	2	0	57	219	4	68	485	142	0	0	0	0	26	1,494
	Gelama/Tengkerong/Selampa	19518	9	412	1499	6088	12	132	1	812	55	117	56	0	51	28,762
	Gerut-Gerut	910	0	0	0	364	0	58	33	217	0	7	4	0	0	1,593
	Jenahak	745	1	0	0	730	0	3	246	1632	0	0	0	0	83	3,440
	Kaci	600	0	0	0	40	0	3	304	470	0	0	0	0	0	1,417
	Kerapu	2635	0	0	0	557	0	50	1449	5715	2	1	0	0	67	10,476
	Kerisi	22723	0	0	0	769	0	0	4435	983	0	0	0	0	0	28,910
	Kerisi Bali	2753	0	0	0	292	0	0	267	1459	0	0	0	0	0	4,771
	Kikek	1705	64	14	0	279	95	89	0	37	0	0	0	0	0	2,283
	Malong	2663	0	0	0	268	0	19	1	2069	0	1	0	0	0	5,021
	Merah	2709	6	0	0	879	12	10	752	3216	0	0	0	0	16	7,600
	Mengkerong/Canor/Ubi-Ubi	17622	0	0	0	3	0	0	0	0	0	0	0	0	0	17,625
	Remong/Kunyit-Kunyit/Tanda	1820	0	0	0	102	1	29	943	1435	0	0	0	0	0	4,330
	Semilang	266	1	0	5	881	0	40	80	460	34	198	22	0	0	1,987
	Shrumbu/Lemah	327	0	0	0	109	0	3	0	0	0	0	0	0	0	439
	Puntong Damar/Bulus	1787	3	0	1	200	0	0	0	65	0	1	0	0	0	2,057
	Pasir-Pasir/Timun-Timun	692	0	0	0	30	0	3	750	167	0	0	0	0	0	1,642
34	Alu-Alu/Kacang-Kacang	3524	339	0	0	181	971	65	1	1458	0	0	5	0	67	6,611
	Aruan Tasik	305	2	0	0	16	0	0	43	191	0	0	0	0	0	557
	Bawal	4521	1030	0	283	2140	137	101	0	14	8	0	64	0	0	8,298

samb.dari Jadual 4.6
(cont' d from Table 4.6)

	Belanak/Kedera	557	9	0	107	2942	5	75	1	0	54	156	27	0	68	4,001
	Cermin/Sagai/Cupak	1752	519	0	20	362	309	8	42	1423	0	0	0	0	0	4,435
	Cincaru	4948	7273	0	10	661	464	0	0	533	0	0	0	0	64	13,953
	Demudok/Rambai	3077	716	0	4	720	341	32	120	2254	0	0	0	0	249	7,513
	Kurau/Senangin/Senohong	796	0	0	44	3109	0	60	2	292	7	18	0	0	0	4,328
	Pelata/Selar	5403	15560	2	4	1651	710	30	154	1449	0	0	1	0	215	25,179
	Selar Kuning/Lolong	8733	27861	0	0	286	2286	1	18	673	0	0	0	0	0	39,858
	Selayang/Curut	6104	69378	0	0	61	1462	0	0	389	0	0	0	0	0	77,394
	Pisang-Pisang	7	73	0	0	43	17	2	1	52	0	0	0	0	0	195
	Talang	1090	131	0	0	1343	811	49	0	101	0	1	0	0	0	3,526
	Bilis/Bunga Air	660	23	10325	8	0	6656	32	0	0	0	0	0	0	19	17,723
	Parang-Parang	2418	22	4	0	1544	0	0	0	2	0	0	0	0	0	3,990
35	Tamban	2168	35276	434	39	1113	1555	38	0	124	0	0	0	0	0	40,747
	Bulan-Bulan	70	2	0	0	10	0	22	0	0	0	0	0	0	0	104
36	Aya/Kayu/Tongkol	128	45274	29	474	4565	3	0	0	5638	0	0	0	0	0	56,111
	Layaran/Mersuji	0	1	0	0	95	0	0	0	62	0	0	0	0	0	158
37	Kembong/Temenong/Pelaling	20295	32397	0	68	44991	623	38	0	1027	0	0	0	0	30	99,469
	Tenggiri	4922	505	0	1	6453	4	0	31	3051	0	0	0	0	3	14,970
	Timah/Layor/Selayor	5376	2881	8	3	643	153	22	0	619	3	0	0	0	3	9,711
38	Pari	12302	2	0	39	1728	0	103	17	2258	0	20	48	0	15	16,532
	Yu	5178	2	0	0	2264	0	27	41	1127	0	2	0	0	22	8,663
39	Ikan Baja	317467	4689	723	15398	1312	0	165	0	0	3768	1094	2990	0	0	347,606
	Ikan Campur	41249	8797	741	572	10109	235	529	395	1046	1123	402	349	0	98	65,645
	Jebong	1326	29	0	0	188	2	1	617	32	0	0	0	0	0	2,195
42	Ketam	5880	0	0	50	2047	0	96	1494	0	48	128	90	0	2465	12,298
43	Udang Karang/Lobok	1522	0	0	0	74	0	0	0	0	0	0	0	0	16	1,612
45	Udang Putih	7402	0	0	200	7641	0	110	0	0	138	42	226	0	350	16,109
	Udang Minyak	4219	0	0	1894	28	0	0	0	0	618	17	93	0	0	6,869
	Udang Merah Ros	1307	0	0	0	17	0	0	0	0	19	0	0	0	0	1,343
	Udang Kulit Keras	2775	0	0	815	416	0	21	0	0	364	8	165	0	42	4,606
	Udang Harimau	767	0	0	6	196	0	7	0	0	9	3	18	0	0	1,006
	Lain-Lain Jenis Udang	23585	355	0	4354	4968	0	353	0	0	2581	194	2464	0	311	39,165
	Udang Baring	0	0	0	2	12	47	181	0	0	6026	0	1917	1	181	8,367
53	Siput/Kepah/Kupang/Tiram	468	0	0	0	0	0	0	0	0	0	0	0	3242	239	3,949
57	Sotong Kurita	1322	0	0	34	23	63	0	0	20	11	0	0	0	7	1,480
	Sotong Katak	19443	6	0	294	542	258	0	544	11	197	7	146	0	19	21,467
	Sotong Biasa	41461	1653	3	75	122	970	77	235	650	14	6	16	0	0	45,282
77	Ubur-Ubur	701	0	0	0	2	0	30	0	0	7821	376	150	1	1212	10,293
	Jumlah/*Total*	675,957	255,149	13,209	27,123	131,964	18,213	3,107	14,595	47,533	22,940	3,060	8,883	3,244	6,298	1,231,275

SEMENANJUNG MALAYSIA/ *PENINSULAR MALAYSIA*

PENDARATAN IKAN LAUT MENGIKUT KUMPULAN PERKAKAS DAN SPESIES IKAN, 2001

LANDINGS OF MARINE FISH BY GEAR GROUP AND SPECIES, 2001

(Tan Metrik/*Tonnes)*

ISSCAAP GROUP NO.	Spesis *Species* / Nama Tempatan *Local Name*	Pukat Tunda Trawl Nets	Pukat Jerut Ikan Fish Purse Seines	Pukat Jerut Bilis Anchovy Purse Seines	Pukat Tarik Lain Other Seines	Pukat Hanyut *Drift/Gill Nets*	Pukat Tangguk *Lift Nets*	Belat *Stationary Traps*	Bubu *Portable Traps*	Pancing Hook & Line	Pukat Bakul Bag *Nets*	Pukat Rentang Barrire Nets	Pukat Surung Push/Scoop Net	Memungut Siput Shellfish Collection	Rampaian *Miscellaneous*	Jumlah Total
24	Kebasi/Selangat	744	0	0	6	2239	0	0	0	0	9	1	9	0	0	3,008
	Puput/B.Mata/Tirok	3504	0	11	501	3127	4	0	0	2	0	0	0	0	0	7,149
	Terubok	26	0	0	0	24	0	0	0	0	0	0	0	0	0	50
25	Siakap	46	0	0	0	129	0	0	10	51	0	18	2	0	0	256
31	Lidah	1402	0	0	2	485	0	40	59	0	3	17	0	0	0	2,008
	Sebelah	687	0	0	0	86	0	0	0	0	3	8	0	0	0	784
33	Bayan	19	0	0	0	8	0	0	146	13	0	0	0	0	0	186
	Biji Nangka	8479	0	0	0	19	0	0	255	9	0	0	0	0	0	8,762
	Daun Baharu	95	0	0	0	53	0	0	12	17	0	0	0	0	0	177
	Delah/Pinang-Pinang	16	29	0	0	1	0	0	426	43	0	0	0	0	0	515
	Duri/Pulutan/Utik	2765	126	503	98	3324	3	33	31	617	25	207	21	0	0	7,753
	Dengkis/Debam	219	2	0	0	24	0	10	379	133	0	0	0	0	0	767
	Gelama/Tengkerong/Selam	7185	9	412	1499	4609	12	54	1	140	55	103	56	0	0	14,135
	Gerut-Gerut	396	0	0	0	178	0	2	31	118	0	7	4	0	0	736
	Jenahak	247	1	0	0	12	0	2	81	229	0	0	0	0	0	572
	Kaci	376	0	0	0	21	0	0	289	226	0	0	0	0	0	912
	Kerapu	1728	0	0	0	59	0	1	1304	893	2	1	0	0	0	3,988
	Kerisi	13315	0	0	0	664	0	0	4422	798	0	0	0	0	0	19,199
	Kerisi Bali	1929	0	0	0	2	0	0	252	182	0	0	0	0	0	2,365
	Kikek	810	64	14	0	29	5	59	0	37	0	0	0	0	0	1,018
	Malong	1068	0	0	0	171	0	19	1	1217	0	1	0	0	0	2,477
	Merah	666	6	0	0	10	0	0	443	808	0	0	0	0	0	1,933
	Mengkerong/Canor/Ubi-Ubi	13811	0	0	0	3	0	0	0	0	0	0	0	0	0	13,814
	Remong/Kunyit-Kunyit/Tanc	1630	0	0	0	37	1	0	879	406	0	0	0	0	0	2,953
	Semilang	266	0	0	5	521	0	0	25	289	34	195	22	0	0	1,357
	Shrumbu/Lemah	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
	Puntong Damar/Bulus	1602	0	0	1	153	0	0	0	47	0	1	0	0	0	1,804
	Pasir-Pasir/Timun-Timun	654	0	0	0	17	0	0	749	167	0	0	0	0	0	1,587
34	Alu-Alu/Kacang-Kacang	1312	210	0	0	109	0	7	1	154	0	0	5	0	0	1,798
	Aruan Tasik	305	2	0	0	16	0	0	43	191	0	0	0	0	0	557
	Bawal	3547	950	0	283	1359	0	73	0	14	8	0	33	0	0	6,267

	Belanak/Kedera	557	0	0	107	1956	0	27	0	0	54	144	27	0	0	2,872
	Cermin/Sagai/Cupak	1244	490	0	0	131	0	4	26	632	0	0	0	0	0	2,527
	Cincaru	2881	3173	0	0	259	3	0	0	412	0	0	0	0	0	6,728
	Demudok/Rambai	732	520	0	0	11	0	3	104	227	0	0	0	0	0	1,597
	Kurau/Senangin/Senohong	763	0	0	44	1363	0	23	2	63	7	17	0	0	0	2,282
	Pelata/Selar	3962	12414	2	0	1350	57	29	154	1328	0	0	0	0	0	19,296
	Selar Kuning/Lolong	7240	27637	0	0	206	2159	1	18	39	0	0	0	0	0	37,300
	Selayang/Curut	2852	60153	0	0	60	124	0	0	371	0	0	0	0	0	63,560
	Pisang-Pisang	6	73	0	0	2	17	1	0	37	0	0	0	0	0	136
	Talang	343	127	0	0	305	0	3	0	36	0	1	0	0	0	815
	Bilis/Bunga Air	559	0	10325	0	0	4176	0	0	0	0	0	0	0	0	15,060
	Parang-Parang	1770	20	4	0	1339	0	0	0	2	0	0	0	0	0	3,135
35	Tamban	1117	23668	434	14	223	560	5	0	124	0	0	0	0	0	26,145
	Bulan-Bulan	13	0	0	0	0	0	0	0	0	0	0	0	0	0	13
36	Aya/Kayu/Tongkol	103	35297	29	0	423	3	0	0	4158	0	0	0	0	0	40,013
	Layaran/Mersuji	0	1	0	0	0	0	0	0	18	0	0	0	0	0	19
37	Kembong/Temenong/Pelali	14801	24535	0	3	44137	4	3	0	389	0	0	0	0	0	83,872
	Tenggiri	2448	457	0	0	2375	0	0	31	1322	0	0	0	0	0	6,633
	Timah/Layor/Selayor	1955	854	8	3	501	6	21	0	6	3	0	0	0	0	3,357
38	Pari	7057	2	0	39	1363	0	0	17	1713	0	5	48	0	0	10,244
	Yu	2317	2	0	0	446	0	20	41	564	0	2	0	0	0	3,392
39	Ikan Baja	258866	4355	723	15398	1266	0	0	0	0	3170	1094	2990	0	0	287,862
	Ikan Campur	20795	7470	741	515	3302	8	70	378	486	353	83	303	0	19	34,523
	Jebong	1022	29	0	0	169	2	0	608	14	0	0	0	0	0	1,844
42	Ketam	3616	0	0	50	1500	0	0	1140	0	48	126	90	0	425	6,995
45	Udang Karang/Lobok	532	0	0	0	64	0	0	0	0	0	0	0	0	8	604
	Udang Putih	1817	0	0	148	2967	0	32	0	0	108	41	226	0	8	5,347
	Udang Minyak	3594	0	0	1894	18	0	0	0	0	618	17	93	0	0	6,234
	Udang Merah Ros	728	0	0	0	3	0	0	0	0	0	0	0	0	0	731
	Udang Kulit Keras	1739	0	0	815	415	0	21	0	0	56	8	165	0	0	3,219
	Udang Harimau	323	0	0	6	86	0	0	0	0	9	3	18	0	0	445
	Lain-Lain Jenis Udang	16923	355	0	4354	4515	0	284	0	0	1808	194	2464	0	14	30,911
	Udang Baring	0	0	0	0	0	0	164	0	0	5988	0	1917	0	0	8,069
53	Siput/Kepah/Kupang/Tiram	0	0	0	0	0	0	0	0	0	0	0	0	3019	0	3,019
57	Sotong Kurita	1104	0	0	34	23	0	0	0	0	11	0	0	0	0	1,172
	Sotong Katak	16739	0	0	294	542	0	0	544	11	197	7	146	0	0	18,480
	Sotong Biasa	30878	981	3	49	117	553	15	235	622	14	6	16	0	0	33,489
77	Ubur-Ubur	126	0	0	0	2	0	0	0	0	6244	0	0	0	0	6,372
	Jumlah/*Total*	480,373	204,012	13,209	26,162	88,928	7,697	1,026	13,137	19,375	18,827	2,307	8,655	3,019	474	887,201

PANTAI BARAT SEMENANJUNG MALAYSIA/*WEST COAST OF PENINSULAR MALAYSIA*

PENDARATAN IKAN LAUT MENGIKUT KUMPULAN PERKAKAS DAN SPESIS, 2001

LANDINGS OF MARINE FISH BY GEAR GROUP AND SPECIES, 2001

(Tan Metrik/*Tonnes*)

ISSCAAP GROUP NO.	Spesis *Species* / Nama Tempatan *Local Name*	Pukat Tunda Trawl Nets	Pukat Jerut Ikan Fish Purse Seines	Pukat Jerut Bilis Anchovy Purse Seines	Pukat Tarik Lain Other Seines	Pukat Hanyut *Drift/Gill Nets*	Pukat Tangguk *Lift Nets*	Belat *Stationary Traps*	Bubu *Portable Traps*	Pancing Hook & Line	Pukat Bakul Bag *Nets*	Pukat Rentang Barrire Nets	Pukat Surung Push/Scoop Net	Memungut Siput Shellfish Collection	Rampaian *Miscellaneous*	Jumlah Total
24	Kebasi/Selangat	744	0	0	6	2239	0	0	0	0	9	1	9	0	0	3,008
	Puput/B.Mata/Tirok	3497	0	0	501	3046	0	0	0	1	0	0	0	0	0	7,045
	Terubok	26	0	0	0	24	0	0	0	0	0	0	0	0	0	50
25	Siakap	39	0	0	0	129	0	0	1	15	0	18	2	0	0	204
31	Lidah	1199	0	0	2	481	0	40	0	0	3	17	0	0	0	1,742
	Sebelah	398	0	0	0	84	0	0	0	0	3	8	0	0	0	493
33	Bayan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Biji Nangka	6495	0	0	0	6	0	0	0	0	0	0	0	0	0	6,501
	Daun Baharu	13	0	0	0	51	0	0	10	1	0	0	0	0	0	75
	Delah/Pinang-Pinang	0	0	0	0	0	0	0	2	12	0	0	0	0	0	14
	Duri/Pulutan/Utik	1741	0	0	98	3122	0	25	5	469	25	207	21	0	0	5,713
	Dengkis/Debam	75	0	0	0	1	0	2	21	1	0	0	0	0	0	100
	Gelama/Tengkerong/Selam	5312	3	0	1499	4152	0	51	1	101	55	103	56	0	0	11,333
	Gerut-Gerut	325	0	0	0	166	0	2	27	114	0	7	4	0	0	645
	Jenahak	228	1	0	0	12	0	2	74	225	0	0	0	0	0	542
	Kaci	44	0	0	0	7	0	0	28	10	0	0	0	0	0	89
	Kerapu	982	0	0	0	29	0	1	69	141	2	1	0	0	0	1,225
	Kerisi	6829	0	0	0	55	0	0	1	6	0	0	0	0	0	6,891
	Kerisi Bali	196	0	0	0	0	0	0	0	0	0	0	0	0	0	196
	Kikek	66	0	0	0	2	0	53	0	1	0	0	0	0	0	122
	Malong	949	0	0	0	170	0	19	1	1217	0	1	0	0	0	2,357
	Merah	73	0	0	0	2	0	0	31	41	0	0	0	0	0	147
	Mengkerong/Canor/Ubi-Ubi	10011	0	0	0	3	0	0	0	0	0	0	0	0	0	10,014
	Remong/Kunyit-Kunyit/Tanc	342	0	0	0	3	0	0	1	10	0	0	0	0	0	356
	Semilang	247	0	0	5	521	0	0	25	289	34	195	22	0	0	1,338
	Shrumbu/Lemah	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
	Puntong Damar/Bulus	1146	0	0	1	80	0	0	0	47	0	1	0	0	0	1,275
	Pasir-Pasir/Timun-Timun	71	0	0	0	0	0	0	0	17	0	0	0	0	0	88
34	Alu-Alu/Kacang-Kacang	470	0	0	0	56	0	7	0	58	0	0	5	0	0	596
	Aruan Tasik	117	0	0	0	3	0	0	0	30	0	0	0	0	0	150
	Bawal	3083	6	0	283	1237	0	73	0	0	8	0	33	0	0	4,723

	Belanak/Kedera	555	0	0	107	1904	0	0	0	0	54	144	27	0	0	2,791
	Cermin/Sagai/Cupak	338	73	0	0	77	0	4	2	19	0	0	0	0	0	513
	Cincaru	1891	1065	0	0	52	0	0	0	0	0	0	0	0	0	3,008
	Demudok/Rambai	324	8	0	0	7	0	3	0	7	0	0	0	0	0	349
	Kurau/Senangin/Senohong	753	0	0	44	1261	0	23	2	63	7	17	0	0	0	2,170
	Pelata/Selar	2100	2894	0	0	26	0	29	0	1	0	0	0	0	0	5,050
	Selar Kuning/Lolong	1449	2242	0	0	1	0	1	0	0	0	0	0	0	0	3,693
	Selayang/Curut	1046	4765	0	0	0	0	0	0	0	0	0	0	0	0	5,811
	Pisang-Pisang	6	68	0	0	0	0	1	0	0	0	0	0	0	0	75
	Talang	260	5	0	0	237	0	3	0	31	0	1	0	0	0	537
	Bilis/Bunga Air	471	0	7463	0	0	0	0	0	0	0	0	0	0	0	7,934
	Parang-Parang	1076	4	4	0	864	0	0	0	1	0	0	0	0	0	1,949
35	Tamban	1101	3052	108	14	4	0	1	0	0	0	0	0	0	0	4,280
	Bulan-Bulan	12	0	0	0	0	0	0	0	0	0	0	0	0	0	12
36	Aya/Kayu/Tongkol	63	8590	0	0	325	0	0	0	0	0	0	0	0	0	8,978
	Layaran/Mersuji	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
37	Kembong/Temenong/Pelali	13044	17771	0	3	35156	0	3	0	0	0	0	0	0	0	65,977
	Tenggiri	1688	72	0	0	2066	0	0	3	28	0	0	0	0	0	3,857
	Timah/Layor/Selayor	1184	607	0	3	211	0	21	0	0	3	0	0	0	0	2,029
38	Pari	3033	1	0	39	859	0	0	8	1522	0	5	48	0	0	5,515
	Yu	866	0	0	0	308	0	20	2	55	0	2	0	0	0	1,253
39	Ikan Baja	159750	4114	23	15398	1266	0	0	0	0	2765	1094	2990	0	0	187,400
	Ikan Campur	8506	858	591	515	2854	0	54	26	43	314	83	303	0	19	14,166
	Jebong	190	0	0	0	0	0	0	11	1	0	0	0	0	0	202
42	Ketam	2496	0	0	50	1457	0	0	125	0	48	126	90	0	363	4,755
43	Udang Karang/Lobok	57	0	0	0	47	0	0	0	0	0	0	0	0	0	104
45	Udang Putih	1391	0	0	148	2780	0	32	0	0	99	41	226	0	8	4,725
	Udang Minyak	3164	0	0	1894	7	0	0	0	0	583	17	93	0	0	5,758
	Udang Merah Ros	728	0	0	0	3	0	0	0	0	0	0	0	0	0	731
	Udang Kulit Keras	1528	0	0	815	415	0	21	0	0	56	8	165	0	0	3,008
	Udang Harimau	171	0	0	6	80	0	0	0	0	5	3	18	0	0	283
	Lain-Lain Jenis Udang	13415	355	0	4354	4334	0	257	0	0	1726	194	2464	0	14	27,113
	Udang Baring	0	0	0	0	0	0	164	0	0	5625	0	1917	0	0	7,706
53	Siput/Kepah/Kupang/Tiram	0	0	0	0	0	0	0	0	0	0	0	0	3010	0	3,010
57	Sotong Kurita	736	0	0	34	23	0	0	0	0	11	0	0	0	0	804
	Sotong Katak	8639	0	0	294	537	0	0	3	0	197	7	146	0	0	9,823
	Sotong Biasa	19858	114	3	49	117	0	15	58	0	14	6	16	0	0	20,250
77	Ubur-Ubur	126	0	0	0	2	0	0	0	0	6244	0	0		0	6,372
	Jumlah/*Total*	296,735	46,669	8,192	26,162	72,961	0	927	537	4,577	17,890	2,307	8,655	3,010	404	489,026

PANTAI TIMUR SEMENANJUNG MALAYSIA/*EAST COAST OF PENINSULAR MALAYSIA*

PENDARATAN IKAN LAUT MENGIKUT KUMPULAN PERKAKAS DAN SPESIES IKAN, 2001

LANDINGS OF MARINE FISH BY GEAR GROUP AND SPECIES, 2001

(Tan Metrik/*Tonnes*)

ISSCAAP GROUP NO.	Spesis *Species* / Nama Tempatan *Local Name*	Pukat Tunda Trawl Nets	Pukat Jerut Ikan Fish Purse Seines	Pukat Jerut Bilis Anchovy Purse Seines	Pukat Tarik Lain Other Seines	Pukat Hanyut *Drift/Gill Nets*	Pukat Tangguk *Lift Nets*	Belat *Stationary Traps*	Bubu *Portable Traps*	Pancing Hook & Line	Pukat Bakul Bag *Nets*	Pukat Rentang Barrire Nets	Pukat Surung Push/Scoop Net	Memungut Siput Shellfish Collection	Rampaian *Miscellaneous*	Jumlah Total
24	Kebasi/Selangat	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Puput/B.Mata/Tirok	7	0	11	0	81	4	0	0	1	0	0	0	0	0	104
	Terubok	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	Siakap	7	0	0	0	0	0	0	9	36	0	0	0	0	0	52
31	Lidah	203	0	0	0	4	0	0	59	0	0	0	0	0	0	266
	Sebelah	289	0	0	0	2	0	0	0	0	0	0	0	0	0	291
33	Bayan	19	0	0	0	8	0	0	146	13	0	0	0	0	0	186
	Biji Nangka	1984	0	0	0	13	0	0	255	9	0	0	0	0	0	2,261
	Daun Baharu	82	0	0	0	2	0	0	2	16	0	0	0	0	0	102
	Delah/Pinang-Pinang	16	29	0	0	1	0	0	424	31	0	0	0	0	0	501
	Duri/Pulutan/Utik	1024	126	503	0	202	3	8	26	148	0	0	0	0	0	2,040
	Dengkis/Debam	144	2	0	0	23	0	8	358	132	0	0	0	0	0	667
	Gelama/Tengkerong/Selam	1873	6	412	0	457	12	3	0	39	0	0	0	0	0	2,802
	Gerut-Gerut	71	0	0	0	12	0	0	4	4	0	0	0	0	0	91
	Jenahak	19	0	0	0	0	0	0	7	4	0	0	0	0	0	30
	Kaci	332	0	0	0	14	0	0	261	216	0	0	0	0	0	823
	Kerapu	746	0	0	0	30	0	0	1235	752	0	0	0	0	0	2,763
	Kerisi	6486	0	0	0	609	0	0	4421	792	0	0	0	0	0	12,308
	Kerisi Bali	1733	0	0	0	2	0	0	252	182	0	0	0	0	0	2,169
	Kikek	744	64	14	0	27	5	6	0	36	0	0	0	0	0	896
	Malong	119	0	0	0	1	0	0	0	0	0	0	0	0	0	120
	Merah	593	6	0	0	8	0	0	412	767	0	0	0	0	0	1,786
	Mengkerong/Canor/Ubi-Ubi	3800	0	0	0	0	0	0	0	0	0	0	0	0	0	3,800
	Remong/Kunyit-Kunyit/Tanc	1288	0	0	0	34	1	0	878	396	0	0	0	0	0	2,597
	Semilang	19	0	0	0	0	0	0	0	0	0	0	0	0	0	19
	Shrumbu/Lemah	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Puntong Damar/Bulus	456	0	0	0	73	0	0	0	0	0	0	0	0	0	529
	Pasir-Pasir/Timun-Timun	583	0	0	0	17	0	0	749	150	0	0	0	0	0	1,499
34	Alu-Alu/Kacang-Kacang	842	210	0	0	53	0	0	1	96	0	0	0	0	0	1,202
	Aruan Tasik	188	2	0	0	13	0	0	43	161	0	0	0	0	0	407
	Bawal	464	944	0	0	122	0	0	0	14	0	0	0	0	0	1,544

samb.dari Jadual 4.6.3
(cont'd from Table 4.6.3.)

	Belanak/Kedera	2	0	0	0	52	0	27	0	0	0	0	0	0	0	81
	Cermin/Sagai/Cupak	906	417	0	0	54	0	0	24	613	0	0	0	0	0	2,014
	Cincaru	990	2108	0	0	207	3	0	0	412	0	0	0	0	0	3,720
	Demudok/Rambai	408	512	0	0	4	0	0	104	220	0	0	0	0	0	1,248
	Kurau/Senangin/Senohong	10	0	0	0	102	0	0	0	0	0	0	0	0	0	112
	Pelata/Selar	1862	9520	2	0	1324	57	0	154	1327	0	0	0	0	0	14,246
	Selar Kuning/Lolong	5791	25395	0	0	205	2159	0	18	39	0	0	0	0	0	33,607
	Selayang/Curut	1806	55388	0	0	60	124	0	0	371	0	0	0	0	0	57,749
	Pisang-Pisang	0	5	0	0	2	17	0	0	37	0	0	0	0	0	61
	Talang	83	122	0	0	68	0	0	0	5	0	0	0	0	0	278
	Bilis/Bunga Air	88	0	2862	0	0	4176	0	0	0	0	0	0	0	0	7,126
	Parang-Parang	694	16	0	0	475	0	0	0	1	0	0	0	0	0	1,186
35	Tamban	16	20616	326	0	219	560	4	0	124	0	0	0	0	0	21,865
	Bulan-Bulan	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
36	Aya/Kayu/Tongkol	40	26707	29	0	98	3	0	0	4158	0	0	0	0	0	31,035
	Layaran/Mersuji	0	0	0	0	0	0	0	0	18	0	0	0	0	0	18
37	Kembong/Temenong/Pelali	1757	6764	0	0	8981	4	0	0	389	0	0	0	0	0	17,895
	Tenggiri	760	385	0	0	309	0	0	28	1294	0	0	0	0	0	2,776
	Timah/Layor/Selayor	771	247	8	0	290	6	0	0	6	0	0	0	0	0	1,328
38	Pari	4024	1	0	0	504	0	0	9	191	0	0	0	0	0	4,729
	Yu	1451	2	0	0	138	0	0	39	509	0	0	0	0	0	2,139
39	Ikan Baja	99116	241	700	0	0	0	0	0	0	405	0	0	0	0	100,462
	Ikan Campur	12289	6612	150	0	448	8	16	352	443	39	0	0	0	0	20,357
	Jebong	832	29	0	0	169	2	0	597	13	0	0	0	0	0	1,642
42	Ketam	1120	0	0	0	43	0	0	1015	0	0	0	0	0	62	2,240
43	Udang Karang/Lobok	475	0	0	0	17	0	0	0	0	0	0	0	0	8	500
45	Udang Putih	426	0	0	0	187	0	0	0	0	9	0	0	0	0	622
	Udang Minyak	430	0	0	0	11	0	0	0	0	35	0	0	0	0	476
	Udang Merah Ros	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Udang Kulit Keras	211	0	0	0	0	0	0	0	0	0	0	0	0	0	211
	Udang Harimau	152	0	0	0	6	0	0	0	0	4	0	0	0	0	162
	Lain-Lain Jenis Udang	3508	0	0	0	181	0	27	0	0	82	0	0	0	0	3,798
	Udang Baring	0	0	0	0	0	0	0	0	0	363	0	0	0	0	363
53	Siput/Kepah/Kupang/Tiram	0	0	0	0	0	0	0	0	0	0	0	0	9	0	9
57	Sotong Kurita	368	0	0	0	0	0	0	0	0	0	0	0	0	0	368
	Sotong Katak	8100	0	0	0	5	0	0	541	11	0	0	0	0	0	8,657
	Sotong Biasa	11020	867	0	0	0	553	0	177	622	0	0	0	0	0	13,239
77	Ubur-Ubur	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Jumlah/*Total*	183,638	157,343	5,017	0	15,967	7,697	99	12,600	14,798	937	0	0	9	70	398,175

Jadual *(Table)* 4.6.4.

SARAWAK

PENDARATAN IKAN LAUT MENGIKUT KUMPULAN PERKAKAS DAN SPESIS, 2001

LANDINGS OF MARINE FISH BY GEAR GROUP AND SPECIES, 2001

(Tan Metrik/*Tonnes*)

ISSCAAP GROUP NO.	Spesis *Species* / Nama Tempatan *Local Name*	Pukat Tunda Trawl Nets	Pukat Jerut Ikan Fish Purse Seines	Pukat Jerut Bilis Anchovy Purse Seines	Pukat Tarik Lain Other Seines	Pukat Hanyut *Drift/Gill Nets*	Pukat Tangguk *Lift Nets*	Belat *Stationary Traps*	Bubu *Portable Traps*	Pancing Hook & Line	Pukat Bakul Bag *Nets*	Pukat Rentang Barrire Nets	Pukat Surung Push/Scoop Net	Memungut Siput Shellfish Collection	Rampaian *Miscellaneous*	Jumlah Total
24	Kebasi/Selangat	24	0	0	0	292	0	0	0	0	0	0	0	0	0	316
	Puput/B.Mata/Tirok	882	101	0	0	2165	0	2	0	0	0	0	0	0	0	3150
	Terubok	47	0	0	0	1009	0	0	0	0	0	0	0	0	0	1056
25	Siakap	1	0	0	0	6	0	0	0	0	0	0	0	0	0	7
31	Lidah	135	0	0	0	70	0	0	0	0	0	0	0	0	0	205
	Sebelah	243	0	0	0	103	0	0	0	0	0	0	0	0	0	346
33	Bayan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Biji Nangka	3607	0	0	0	76	0	0	0	0	0	0	0	0	0	3683
	Daun Baharu	202	0	0	0	51	0	0	0	0	0	0	0	0	0	253
	Delah/Pinang-Pinang	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
	Duri/Pulutan/Utik	2209	0	0	0	822	0	34	0	429	0	10	0	0	0	3504
	Dengkis/Debam	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Gelama/Tengkerong/Selampai	10844	0	0	0	1084	0	4	0	0	0	14	0	0	1	11947
	Gerut-Gerut	236	0	0	0	12	0	0	0	7	0	0	0	0	0	255
	Jenahak	197	0	0	0	97	0	0	0	83	0	0	0	0	0	377
	Kaci	161	0	0	0	0	0	0	0	181	0	0	0	0	0	342
	Kerapu	418	0	0	0	78	0	0	0	351	0	0	0	0	0	847
	Kerisi	3026	0	0	0	73	0	0	0	32	0	0	0	0	0	3131
	Kerisi Bali	490	0	0	0	0	0	0	0	133	0	0	0	0	0	623
	Kikek	299	0	0	0	118	0	0	0	0	0	0	0	0	0	417
	Malong	653	0	0	0	97	0	0	0	569	0	0	0	0	0	1319
	Merah	1651	0	0	0	92	0	0	0	504	0	0	0	0	0	2247
	Mengkerong/Canor/Ubi-Ubi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Remong/Kunyit-Kunyit/Tanda	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Semilang	0	0	0	0	0	0	8	0	0	0	3	0	0	0	11
	Shrumbu/Lemah	307	0	0	0	85	0	0	0	0	0	0	0	0	0	392
	Puntong Damar/Bulus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Pasir-Pasir/Timun-Timun	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
34	Alu-Alu/Kacang-Kacang	225	0	0	0	0	0	0	0	80	0	0	0	0	0	305
	Aruan Tasik	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Bawal	684	46	0	0	305	0	0	0	0	0	0	31	0	0	1066

samb.dari Jadual 4.6.4.
(cont' d from Table 4.6.4.)

	Belanak/Kedera	0	0	0	0	73	0	2	0	0	0	12	0	0	5	92
	Cermin/Sagai/Cupak	193	0	0	0	28	0	0	0	5	0	0	0	0	0	226
	Cincaru	1151	0	0	0	242	0	0	0	0	0	0	0	0	0	1393
	Demudok/Rambai	561	0	0	0	121	0	0	0	36	0	0	0	0	0	718
	Kurau/Senangin/Senohong	26	0	0	0	351	0	3	0	0	0	1	0	0	0	381
	Pelata/Selar	863	255	0	0	252	0	0	0	28	0	0	1	0	0	1399
	Selar Kuning/Lolong	887	213	0	0	63	0	0	0	0	0	0	0	0	0	1163
	Selayang/Curut	262	382	0	0	0	0	0	0	0	0	0	0	0	0	644
	Pisang-Pisang	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Talang	305	0	0	0	299	0	0	0	4	0	0	0	0	0	608
	Bilis/Bunga Air	10	0	0	0	0	0	0	0	0	0	0	0	0	1	11
	Parang-Parang	272	0	0	0	196	0	0	0	0	0	0	0	0	0	468
35	Tamban	1051	1492	0	0	876	0	1	0	0	0	0	0	0	0	3420
	Bulan-Bulan	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2
36	Aya/Kayu/Tongkol	12	456	0	0	3269	0	0	0	698	0	0	0	0	0	4435
	Layaran/Mersuji	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
37	Kembong/Temenong/Pelaling	2505	539	0	0	587	0	0	0	0	0	0	0	0	1	3632
	Tenggiri	1351	13	0	0	2735	0	0	0	215	0	0	0	0	0	4314
	Timah/Layor/Selayor	1268	4	0	0	110	0	0	0	0	0	0	0	0	0	1382
38	Pari	3800	0	0	0	213	0	36	0	105	0	15	0	0	0	4169
	Yu	1964	0	0	0	1373	0	7	0	235	0	0	0	0	0	3579
39	Ikan Baja	38629	9	0	0	46	0	165	0	0	598	0	0	0	0	39447
	Ikan Campur	16499	1190	0	0	6363	0	381	0	268	770	319	46	0	0	25836
	Jebong	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
42	Ketam	756	0	0	0	207	0	6	260	0	0	2	0	0	1	1232
43	Udang Karang/Lobok	618	0	0	0	0	0	0	0	0	0	0	0	0	0	618
45	Udang Putih	3675	0	0	0	2517	0	78	0	0	30	0	0	0	12	6312
	Udang Minyak	123	0	0	0	0	0	0	0	0	0	0	0	0	0	123
	Udang Merah Ros	0	0	0	0	0	0	0	0	0	19	0	0	0	0	19
	Udang Kulit Keras	634	0	0	0	0	0	0	0	0	308	0	0	0	0	942
	Udang Harimau	57	0	0	0	0	0	0	0	0	0	0	0	0	0	57
	Lain-Lain Jenis Udang	3924	0	0	0	4	0	0	0	0	773	0	0	0	0	4701
	Udang Baring	0	0	0	0	12	0	17	0	0	38	0	0	0	0	67
53	Siput/Kepah/Kupang/Tiram	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2
57	Sotong Kurita	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Sotong Katak	455	0	0	0	0	0	0	0	0	0	0	0	0	0	455
	Sotong Biasa	5255	20	0	0	5	0	0	0	0	0	0	0	0	0	5280
77	Ubur-Ubur	541	0	0	0	0	0	30	0	0	1577	376	150	0	1107	3781
	Jumlah/*Total*	114,188	4,720	0	0	26,579	0	774	260	3,964	4,113	752	228	2	1,128	156,708

SABAH

PENDARATAN IKAN LAUT MENGIKUT KUMPULAN PERKAKAS DAN SPESIS, 2001

LANDINGS OF MARINE FISH BY GEAR GROUP AND SPECIES, 2001

(Tan Metrik/*Tonnes*)

ISSCAAP GROUP NO.	Spesis *Species* / Nama Tempatan *Local Name*	Pukat Tunda Trawl Nets	Pukat Jerut Ikan Fish Purse Seines	Pukat Jerut Bilis Anchovy Purse Seines	Pukat Tarik Lain Other Seines	Pukat Hanyut *Drift/Gill Nets*	Pukat Tangguk *Lift Nets*	Belat *Stationary Traps*	Bubu *Portable Traps*	Pancing Hook & Line	Pukat Bakul Bag *Nets*	Pukat Rentang Barrire Nets	Pukat Surung Push/Scoop Net	Memungut Siput Shellfish Collection	Rampaian *Miscellaneous*	Jumlah Total
24	Kebasi/Selangat	493	1	0	0	154	0	39	12	2	0	0	0	0	0	701
	Puput/B.Mata/Tirok	2336	0	0	0	4	0	0	0	0	0	0	0	0	0	2340
	Terubok	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	Siakap	0	0	0	0	260	0	28	62	902	0	0	0	0	3	1255
31	Lidah	192	0	0	0	0	0	0	0	0	0	0	0	0	0	192
	Sebelah	448	0	0	0	10	0	42	0	0	0	0	0	0	0	500
33	Bayan	184	0	0	156	25	0	4	54	1311	0	0	0	0	28	1762
	Biji Nangka	409	0	0	0	0	0	0	8	0	0	0	0	0	0	417
	Daun Baharu	99	0	0	0	55	0	0	0	0	0	0	0	0	23	177
	Delah/Pinang-Pinang	0	0	0	0	6	0	0	12	31	0	0	0	0	306	355
	Duri/Pulutan/Utik	1176	1	0	0	790	0	88	0	676	0	0	0	0	0	2731
	Dengkis/Debam	256	0	0	57	115	4	52	104	7	0	0	0	0	26	621
	Gelama/Tengkerong/Selampai	1344	0	0	0	395	0	71	0	671	0	0	0	0	50	2531
	Gerut-Gerut	257	0	0	0	153	0	18	0	71	0	0	0	0	0	499
	Jenahak	276	0	0	0	621	0	1	161	1290	0	0	0	0	83	2432
	Kaci	38	0	0	0	5	0	0	13	19	0	0	0	0	0	75
	Kerapu	452	0	0	0	399	0	46	141	4373	0	0	0	0	67	5478
	Kerisi	6212	0	0	0	31	0	0	13	149	0	0	0	0	0	6405
	Kerisi Bali	298	0	0	0	290	0	0	15	1018	0	0	0	0	0	1621
	Kikek	528	0	0	0	101	90	25	0	0	0	0	0	0	0	744
	Malong	938	0	0	0	0	0	0	0	283	0	0	0	0	0	1221
	Merah	337	0	0	0	776	12	9	305	1767	0	0	0	0	16	3222
	Mengkerong/Canor/Ubi-Ubi	3808	0	0	0	0	0	0	0	0	0	0	0	0	0	3808
	Remong/Kunyit-Kunyit/Tanda	131	0	0	0	36	0	23	61	996	0	0	0	0	0	1247
	Semilang	0	1	0	0	360	0	32	55	171	0	0	0	0	0	619
	Shrumbu/Lemah	17	0	0	0	11	0	0	0	0	0	0	0	0	0	28
	Puntong Damar/Bulus	184	3	0	0	47	0	0	0	18	0	0	0	0	0	252
	Pasir-Pasir/Timun-Timun	28	0	0	0	0	0	0	0	0	0	0	0	0	0	28
34	Alu-Alu/Kacang-Kacang	1939	116	0	0	50	963	57	0	1224	0	0	0	0	67	4416
	Aruan Tasik	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Bawal	249	17	0	0	474	90	28	0	0	0	0	0	0	0	858

(cont' d from Table 4.6.5)

	Belanak/Kedera	0	9	0	0	899	5	43	0	0	0	0	0	0	63	1019
	Cermin/Sagai/Cupak	220	0	0	20	130	309	0	11	699	0	0	0	0	0	1389
	Cincaru	901	4055	0	10	48	460	0	0	121	0	0	0	0	64	5659
	Demudok/Rambai	1720	195	0	4	572	341	25	16	1991	0	0	0	0	249	5113
	Kurau/Senangin/Senohong	1	0	0	0	1394	0	33	0	229	0	0	0	0	0	1657
	Pelata/Selar	464	2868	0	4	30	625	0	0	93	0	0	0	0	215	4299
	Selar Kuning/Lolong	513	3	0	0	17	95	0	0	634	0	0	0	0	0	1262
	Selayang/Curut	2960	8780	0	0	0	1284	0	0	18	0	0	0	0	0	13042
	Pisang-Pisang	0	0	0	0	41	0	1	1	15	0	0	0	0	0	58
	Talang	441	4	0	0	707	811	46	0	61	0	0	0	0	0	2070
	Bilis/Bunga Air	91	23	0	0	0	2480	32	0	0	0	0	0	0	18	2644
	Parang-Parang	373	1	0	0	7	0	0	0	0	0	0	0	0	0	381
35	Tamban	0	9979	0	25	13	922	32	0	0	0	0	0	0	0	10971
	Bulan-Bulan	57	2	0	0	8	0	22	0	0	0	0	0	0	0	89
36	Aya/Kayu/Tongkol	10	7472	0	474	764	0	0	0	782	0	0	0	0	0	9502
	Layaran/Mersuji	0	0	0	0	75	0	0	0	44	0	0	0	0	0	119
37	Kembong/Temenong/Pelaling	2927	6790	0	65	81	568	35	0	592	0	0	0	0	29	11087
	Tenggiri	1018	25	0	1	1243	4	0	0	1470	0	0	0	0	3	3764
	Timah/Layor/Selayor	2152	2023	0	0	31	147	1	0	613	0	0	0	0	3	4970
38	Pari	1350	0	0	0	151	0	65	0	439	0	0	0	0	15	2020
	Yu	811	0	0	0	419	0	0	0	325	0	0	0	0	22	1577
39	Ikan Baja	19130	291	0	0	0	0	0	0	0	0	0	0	0	0	19421
	Ikan Campur	3584	101	0	57	405	226	71	12	249	0	0	0	0	79	4784
	Jebong	277	0	0	0	11	0	0	8	18	0	0	0	0	0	314
42	Ketam	1463	0	0	0	339	0	89	94	0	0	0	0	0	2039	4024
43	Udang Karang/Lobok	322	0	0	0	10	0	0	0	0	0	0	0	0	8	340
45	Udang Putih	1794	0	0	52	2157	0	0	0	0	0	1	0	0	330	4334
	Udang Minyak	502	0	0	0	10	0	0	0	0	0	0	0	0	0	512
	Udang Merah Ros	579	0	0	0	14	0	0	0	0	0	0	0	0	0	593
	Udang Kulit Keras	402	0	0	0	1	0	0	0	0	0	0	0	0	42	445
	Udang Harimau	328	0	0	0	110	0	7	0	0	0	0	0	0	0	445
	Lain-Lain Jenis Udang	2407	0	0	0	449	0	69	0	0	0	0	0	0	297	3222
	Udang Baring	0	0	0	0	0	47	0	0	0	0	0	0	0	181	228
53	Siput/Kepah/Kupang/Tiram	468	0	0	0	0	0	0	0	0	0	0	0	221	239	928
57	Sotong Kurita	218	0	0	0	0	63	0	0	20	0	0	0	0	7	308
	Sotong Katak	2115	6	0	0	0	258	0	0	0	0	0	0	0	19	2398
	Sotong Biasa	5208	642	0	26	0	417	62	0	28	0	0	0	0	0	6383
77	Ubur-Ubur	34	0	0	0	0	0	0	0	0	0	0	0	1	105	140
	Jumlah/*Total*	77,469	43,408	0	951	15,304	10,221	1,196	1,158	23,420	0	1	0	222	4,696	178,046

Jadual *(Table)* 4.6.6

LABUAN

PENDARATAN IKAN LAUT MENGIKUT KUMPULAN PERKAKAS DAN SPESIS, 2001

LANDINGS OF MARINE FISH BY GEAR GROUP AND SPECIES, 2001

(Tan Metrik/*Tonnes)*

ISSCAAP GROUP NO.	Spesis *Species* / Nama Tempatan *Local Name*	Pukat Tunda Trawl Nets	Pukat Jerut Ikan Fish Purse Seines	Pukat Jerut Bilis Anchovy Purse Seines	Pukat Tarik Lain Other Seines	Pukat Hanyut *Drift/Gill Nets*	Pukat Tangguk *Lift Nets*	Belat *Stationary Traps*	Bubu *Portable Traps*	Pancing Hook & Line	Pukat Bakul Bag *Nets*	Pukat Rentang Barrire Nets	Pukat Surung Push/Scoop Net	Memungut Siput Shellfish Collection	Rampaian *Miscellaneous*	Jumlah Total
24	Kebasi/Selangat	12	0	0	0	0	0	0	0	0	0	0	0	0	0	12
	Puput/B.Mata/Tirok	10	0	0	0	16	0	0	0	0	0	0	0	0	0	26
	Terubok	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	Siakap	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	Lidah	12	0	0	0	0	0	0	0	0	0	0	0	0	0	12
	Sebelah	47	0	0	0	31	0	3	1	0	0	0	0	0	0	82
33	Bayan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Biji Nangka	99	0	0	0	1	0	0	0	0	0	0	0	0	0	100
	Daun Baharu	47	0	0	0	31	0	4	0	1	0	0	0	0	0	83
	Delah/Pinang-Pinang	24	0	0	0	33	0	4	4	53	0	0	0	0	0	118
	Duri/Pulutan/Utik	42	0	0	0	45	0	4	1	0	0	0	0	0	0	92
	Dengkis/Debam	16	0	0	0	80	0	6	2	2	0	0	0	0	0	106
	Gelama/Tengkerong/Selampai	145	0	0	0	0	0	3	0	1	0	0	0	0	0	149
	Gerut-Gerut	21	0	0	0	21	0	38	2	21	0	0	0	0	0	103
	Jenahak	25	0	0	0	0	0	0	4	30	0	0	0	0	0	59
	Kaci	25	0	0	0	14	0	3	2	44	0	0	0	0	0	88
	Kerapu	37	0	0	0	21	0	3	4	98	0	0	0	0	0	163
	Kerisi	170	0	0	0	1	0	0	0	4	0	0	0	0	0	175
	Kerisi Bali	36	0	0	0	0	0	0	0	126	0	0	0	0	0	162
	Kikek	68	0	0	0	31	0	5	0	0	0	0	0	0	0	104
	Malong	4	0	0	0	0	0	0	0	0	0	0	0	0	0	4
	Merah	55	0	0	0	1	0	1	4	137	0	0	0	0	0	198
	Mengkerong/Canor/Ubi-Ubi	3	0	0	0	0	0	0	0	0	0	0	0	0	0	3
	Remong/Kunyit-Kunyit/Tanda	59	0	0	0	29	0	6	3	33	0	0	0	0	0	130
	Semilang	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Shrumbu/Lemah	1	0	0	0	13	0	3	0	0	0	0	0	0	0	17
	Puntong Damar/Bulus	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	Pasir-Pasir/Timun-Timun	10	0	0	0	13	0	3	1	0	0	0	0	0	0	27
34	Alu-Alu/Kacang-Kacang	48	13	0	0	22	8	1	0	0	0	0	0	0	0	92
	Aruan Tasik	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Bawal	41	17	0	0	2	47	0	0	0	0	0	0	0	0	107

samb.dari Jadual 4.6.6.
(cont' d from Table 4.6.6.)

	Belanak/Kedera	0	0	0	0	14	0	3	1	0	0	0	0	0	0	0	18
	Cermin/Sagai/Cupak	95	29	0	0	73	0	4	5	87	0	0	0	0	0	0	293
	Cincaru	15	45	0	0	112	1	0	0	0	0	0	0	0	0	0	173
	Demudok/Rambai	64	1	0	0	16	0	4	0	0	0	0	0	0	0	0	85
	Kurau/Senangin/Senohong	6	0	0	0	1	0	1	0	0	0	0	0	0	0	0	8
	Pelata/Selar	114	23	0	0	19	28	1	0	0	0	0	0	0	0	0	185
	Selar Kuning/Lolong	93	8	0	0	0	32	0	0	0	0	0	0	0	0	0	133
	Selayang/Curut	30	63	0	0	1	54	0	0	0	0	0	0	0	0	0	148
	Pisang-Pisang	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	Talang	1	0	0	0	32	0	0	0	0	0	0	0	0	0	0	33
	Bilis/Bunga Air	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	8
	Parang-Parang	3	1	0	0	2	0	0	0	0	0	0	0	0	0	0	6
35	Tamban	0	137	0	0	1	73	0	0	0	0	0	0	0	0	0	211
	Bulan-Bulan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
36	Aya/Kayu/Tongkol	3	2049	0	0	109	0	0	0	0	0	0	0	0	0	0	2161
	Layaran/Mersuji	0	0	0	0	20	0	0	0	0	0	0	0	0	0	0	20
37	Kembong/Temenong/Pelaling	62	533	0	0	186	51	0	0	46	0	0	0	0	0	0	878
	Tenggiri	105	10	0	0	100	0	0	0	44	0	0	0	0	0	0	259
	Timah/Layor/Selayor	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	2
38	*Pari*	95	0	0	0	1	0	2	0	1	0	0	0	0	0	0	99
	Yu	86	0	0	0	26	0	0	0	3	0	0	0	0	0	0	115
39	Ikan Baja	842	34	0	0	0	0	0	0	0	0	0	0	0	0	0	876
	Ikan Campur	371	36	0	0	39	1	7	5	43	0	0	0	0	0	0	502
	Jebong	27	0	0	0	8	0	1	1	0	0	0	0	0	0	0	37
42	Ketam	45	0	0	0	1	0	1	0	0	0	0	0	0	0	0	47
43	Udang Karang/Lobok	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50
45	Udang Putih	116	0	0	0	0	0	0	0	0	0	0	0	0	0	0	116
	Udang Minyak	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Udang Merah Ros	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Udang Kulit Keras	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Udang Harimau	59	0	0	0	0	0	0	0	0	0	0	0	0	0	0	59
	Lain-Lain Jenis Udang	331	0	0	0	0	0	0	0	0	0	0	0	0	0	0	331
	Udang Baring	0	0	0	2	0	0	0	0	0	0	0	0	1	0	0	3
53	Siput/Kepah/Kupang/Tiram	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
57	Sotong Kurita	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Sotong Katak	134	0	0	0	0	0	0	0	0	0	0	0	0	0	0	134
	Sotong Biasa	120	10	0	0	0	0	0	0	0	0	0	0	0	0	0	130
77	Ubur-Ubur	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	Jumlah/*Total*	3,927	3,009	0	10	1,167	295	111	40	774	0	0	0	1	0	9,334	

Jadual (*Table*) 4.7

SEMENANJUNG MALAYSIA/*PENINSULAR MALAYSIA*

USAHA MENANGKAP IKAN DAN PENDARATAN PUKAT TUNDA IKAN MENGIKUT KELAS MUATAN DAN SPESIS, 2001

FISHING EFFORT AND LANDINGS OF TRAWLERS BY TONNAGE CLASS AND SPECIES, 2001

ISSCAAP GROUP NO.	Usaha Menangkap Ikan *Fishing Effort*	Jumlah/ *Total*	Kelas Muatan/*Tonnage Class*				
			0-9.9 GRT	10-24.9 GRT	25-39.9 GRT	40-69.9 GRT	70 GRT & Above
	Cumulative no. of Fishing Units	**59,176**	**11,569**	**25,581**	**10,898**	**8,815**	**2,313**
	Cumulative no. of Trips	**707,676**	**182,456**	**394,503**	**95,969**	**29,016**	**5,732**
	Cumulative no. of Days	**994,316**	**182,676**	**411,722**	**185,729**	**166,817**	**47,372**
	Cumulative no. of Hauls	**3,180,520**	**406,947**	**1,156,459**	**869,833**	**578,568**	**168,713**
	Cumalative numbers of Hours	**9,763,944**	**1,176,928**	**3,445,506**	**2,618,020**	**1,989,565**	**533,925**
	Spesis/*Species*	**Tan Metrik/ *Tonnes***					
24	Kebasi Selangat	**744**	30	198	418	93	5
	Puput/B.Mata/Tirok	**3,504**	12	603	772	1,991	126
	Terubok	**26**	0	22	3	1	0
25	Siakap	**46**	1	29	7	6	3
31	Lidah	**1,402**	53	567	497	162	123
	Sebelah	**687**	13	184	268	174	48
33	Bayan	**19**	0	1	6	8	4
	Biji Nangka	**8,479**	22	608	1,531	4,687	1,631
	Daun Baharu	**95**	1	20	43	25	6
	Delah/Pinang-Pinang	**16**	0	7	3	4	2
	Duri/Pulutan/Utik	**2,765**	46	695	1,234	580	210
	Dengkis/Debarn	**219**	0	26	63	110	20
	Gelama/Tengkerong/Selampai	**7,185**	353	2,368	2,668	1,252	544
	Gerut-Gerut	**396**	2	63	179	127	25
	Jenahak	**247**	1	35	92	93	26
	Kaci	**376**	1	27	111	162	75
	Kerapu	**1,728**	3	188	664	646	227
	Kerisi	**13,315**	59	1,256	4,350	5,407	2,243
	kerisi Bali	**1,929**	0	94	403	748	684
	Kikek	**810**	6	409	291	88	16
	Malong	**1,068**	10	402	422	164	70
	Merah	**666**	2	61	164	269	170
	Mengkerong/conor/Ubi-Ubi	**13,811**	5	359	1,498	8,398	3,551
	Remong/Kunyit-Kunyit/Tanda	**1,630**	8	318	473	620	211
	Semilang	**266**	5	135	83	28	15
	Shrumbu/Lemah	**2**	0	0	0	2	0
	Puntung Damar/Bulus	**1,602**	28	467	389	604	114
	Pasir-Pasir/Timun-Timun	**654**	2	187	222	194	49
34	Alu-Alu/Kacang-Kacang	**1,312**	6	132	484	520	170
	Aruan Tasik	**305**	0	14	125	112	54
	Bawal	**3,547**	42	1,359	1,441	572	133

samb.dari Jadual 4.7.
(cont'd from Table 4.7.)

	Belanak/Kedera	**557**	27	274	199	55	2
	Cermin/Sagai/Cupak	**1,244**	11	299	412	385	137
	Cencaru	**2,881**	5	202	1,025	1,314	335
	Demuduk/Rambai	**732**	0	17	163	454	98
	Kurau/Senangin/Senohong	**763**	6	386	286	81	4
	Pelata/Selar	**3,962**	6	187	1,018	1,999	752
	Selar Kuning/Lolong	**7,240**	8	521	2,388	3,105	1,218
	Selayang/Curut	**2,852**	1	8	555	1,508	780
	Pisang-Pisang	**6**	0	2	1	1	2
	Talang	**343**	2	68	201	67	5
	Bilis/Bunga Air	**559**	6	305	200	40	8
	Parang-Parang	**1,770**	29	471	698	417	155
35	Tamban	**1,117**	14	215	704	176	8
	Bulan-Bulan	**13**	0	5	3	4	1
36	Aya/Kayu/Tongkol	**103**	0	3	41	55	4
	Layaran/Mersuji	**0**	0	0	0	0	0
37	Kembong/Temenong/Pelaling	**14,801**	335	1,805	6,305	4,731	1,625
	Tenggiri	**2,448**	22	359	872	845	350
	Timah/layor/Selayor	**1,955**	59	367	549	625	355
38	Pari	**7,057**	240	1,372	2,192	2,542	711
	Yu	**2,317**	36	366	857	761	297
39	Ikan Baja	**258,866**	7,929	51,382	80,386	90,019	29,150
	Ikan Campur	**20,795**	551	4,015	4,958	6,792	4,479
	Jebong	**1,022**	1	67	207	382	365
42	Ketam	**3,616**	336	1,236	1,111	681	252
43	Udang Karang/Lobok	**532**	13	71	197	188	63
45	Udang Putih	**1,817**	263	1,114	342	84	14
	Udang Minyak	**3,594**	397	2,575	615	5	2
	Udang Merah Ros	**728**	486	46	183	13	0
	Udang Kulit Keras	**1,739**	216	1,379	131	3	10
	Udang Harimau	**323**	27	118	117	50	11
	Lain-lain Jenis Udang	**16,923**	3,471	9,288	2,967	1,030	167
	Udang Baring	**0**	0	0	0	0	0
53	Siput/Kepah/Kupang/Tiram	**0**	0	0	0	0	0
57	Sotong Kereta	**1,104**	78	218	494	276	38
	Sotong Katak	**16,739**	616	3,776	4,900	5,785	1,662
	Sotong Biasa	**30,878**	312	6,049	8,752	12,393	3,372
77	Ubur-Ubur	**126**	111	8	5	0	2
	Jumlah/*Total*	**480,373**	**16,325**	**99,408**	**142,938**	**164,713**	**56,989**

PANTAI BARAT SEMENANJUNG MALAYSIA/*WEST COAST PENINSULAR MALAYSIA*

USAHA MENANGKAP IKAN DAN PENDARATAN PUKAT TUNDA IKAN MENGIKUT KELAS MUATAN DAN SPESIS, 2001

FISHING EFFORT AND LANDINGS OF TRAWLERS BY TONNAGE CLASS AND SPECIES, 2001

ISSCAAP GROUP NO.	Usaha Menangkap Ikan *Fishing Effort*	Jumlah/ *Total*	Kelas Muatan/*Tonnage Class*				
			0-9.9 GRT	10-24.9 GRT	25-39.9 GRT	40-69.9 GRT	70 GRT & Above
	Cumulative numbers of Fishing Units	**45,473**	**9,300**	**21,301**	**7,597**	**6,130**	**1,145**
	Cumulative numbers of Trips	**599,928**	**149,605**	**340,406**	**84,167**	**22,305**	**3,445**
	Cumulative numbers of Days	**766,151**	**149,605**	**350,850**	**127,341**	**115,201**	**23,154**
	Cumulative numbers of Hauls	**2,162,411**	**307,641**	**953,301**	**470,009**	**357,576**	**73,884**
	Cumalative numbers of Hours	**6,713,323**	**885,255**	**2,874,032**	**1,415,215**	**1,293,562**	**245,259**
	Spesis/*Species*	**Tan Metrik/ *Tonnes***					
24	Kebasi Selangat	744	30	198	418	93	5
	Puput/B.Mata/Tirok	3,497	12	599	770	1,990	126
	Terubok	26	0	22	3	1	0
25	Siakap	39	1	27	5	5	1
31	Lidah	1,199	40	467	435	140	117
	Sebelah	398	8	92	160	105	33
33	Bayan	0	0	0	0	0	0
	Biji Nangka	6,495	1	238	1,024	3,862	1,370
	Daun Baharu	13	0	2	5	4	2
	Delah/Pinang-Pinang	0	0	0	0	0	0
	Duri/Pulutan/Utik	1,741	33	451	889	290	78
	Dengkis/Debam	75	0	1	7	61	6
	Gelama/Tengkerong/Selampai	5,312	253	1,996	1,842	742	479
	Gerut-Gerut	325	2	45	144	111	23
	Jenahak	228	0	34	89	85	20
	Kaci	44	0	0	19	23	2
	Kerapu	982	2	86	427	360	107
	Kerisi	6,829	16	337	1,922	3,405	1,149
	Kerisi Bali	196	0	18	71	75	32
	Kikek	66	1	6	55	2	2
	Malong	949	5	374	391	123	56
	Merah	73	1	3	26	31	12
	Mengkerong/conor/Ubi-Ubi	10,011	1	230	782	6,382	2,616
	Remong/Kunyit-Kunyit/Tanda	342	0	37	170	130	5
	Semilang	247	4	128	79	26	10
	Shrumbu/Lemah	2	0	0	0	2	0
	Puntung Damar/Bulus	1,146	1	339	239	482	85
	Pasir-Pasir/Timun-Timun	71	0	22	30	17	2
34	Alu-Alu/Kacang-Kacang	470	5	74	210	156	25
	Aruan Tasik	117	0	9	69	29	10
	Bawal	3,083	21	1,269	1,266	441	86

samb.dari Jadual 4.7.1
(cont'd from Table 4.7.1)

	Belanak/Kedera	555	27	273	198	55	2
	Cermin/Sagai/Cupak	338	1	88	131	112	6
	Cincaru	1,891	4	173	710	848	156
	Demuduk/Rambai	324	0	9	107	134	74
	Kurau/Senangin/Senohong	753	5	383	282	80	3
	Pelata/Selar	2,100	0	84	566	1,060	390
	Selar Kuning/Lolong	1,449	0	79	336	766	268
	Selayang/Curut	1,046	0	3	347	512	184
	Pisang-Pisang	6	0	2	1	1	2
	Talang	260	1	47	152	57	3
	Bilis/Bunga Air	471	5	304	161	1	0
	Parang-Parang	1,076	3	351	408	218	96
35	Tamban	1,101	12	205	703	175	6
	Bulan-Bulan	12	0	5	3	4	0
36	Aya/Kayu/Tongkol	63	0	1	28	32	2
	Layaran/Mersuji	0	0	0	0	0	0
37	Kembong/Temenong/Pelaling	13,044	334	1,735	5,769	3,904	1,302
	Tenggiri	1,688	17	301	556	554	260
	Timah/layor/Selayor	1,184	29	202	349	375	229
38	Pari	3,033	99	454	568	1,485	427
	Yu	866	17	213	253	304	79
39	Ikan Baja	159,750	5,097	45,203	47,659	49,941	11,850
	Ikan Campur	8,506	489	2,427	2,061	1,818	1,711
	Jebong	190	0	29	80	67	14
42	Ketam	2,496	230	862	729	468	207
43	Udang Karang/Lobok	57	6	28	14	7	2
45	Udang Putih	1,391	101	972	250	62	6
	Udang Minyak	3,164	223	2,386	554	1	0
	Udang Merah Ros	728	486	46	183	13	0
	Udang Kulit Keras	1,528	194	1,268	56	2	8
	Udang Harimau	171	15	75	52	20	9
	Lain-lain Jenis Udang	13,415	2,841	8,438	1,658	398	80
	Udang Baring	0	0	0	0	0	0
53	Siput/Kepah/Kupang/Tiram	0	0	0	0	0	0
57	Sotong Kereta	736	74	184	324	133	21
	Sotong Katak	8,639	440	2,191	1,866	3,274	868
	Sotong Biasa	19,858	278	4,156	5,113	8,411	1,900
77	Ubur-Ubur	126	111	8	5	0	2
	Jumlah/*Total*	296,735	11,576	80,289	83,779	94,465	26,626

PANTAI TIMUR SEMENANJUNG MALAYSIA/*EAST COAST PENINSULAR MALAYSIA*

USAHA MENANGKAP IKAN DAN PENDARATAN PUKAT TUNDA IKAN MENGIKUT KELAS MUATAN DAN SPESIS, 2001

FISHING EFFORT AND LANDINGS OF TRAWLERS BY TONNAGE CLASS AND SPECIES, 2001

ISSCAAP GROUP NO.	Usaha Menangkap Ikan *Fishing Effort*	Jumlah/ *Total*	Kelas Muatan/*Tonnage Class*				
			0-9.9 GRT	10-24.9 GRT	25-39.9 GRT	40-69.9 GRT	70 GRT & Above
	Cumulative numbers of Fishing Units	**13,703**	**2,269**	**4,280**	**3,301**	**2,685**	**1,168**
	Cumulative numbers of Trips	**107,748**	**32,851**	**54,097**	**11,802**	**6,711**	**2,287**
	Cumulative numbers of Days	**228,165**	**33,071**	**60,872**	**58,388**	**51,616**	**24,218**
	Cumulative numbers of Hauls	**1,018,109**	**99,306**	**203,158**	**399,824**	**220,992**	**94,829**
	Cumulative numbers of Hours	**3,050,621**	**291,673**	**571,474**	**1,202,805**	**696,003**	**288,666**
	Spesis/*Species*	**Tan Metrik/ *Tonnes***					
24	Kebasi Selangat	**0**	0	0	0	0	0
	Puput/B.Mata/Tirok	**7**	0	4	2	1	0
	Terubok	**0**	0	0	0	0	0
25	Siakap	**7**	0	2	2	1	2
31	Lidah	**203**	13	100	62	22	6
	Sebelah	**289**	5	92	108	69	15
33	Bayan	**19**	0	1	6	8	4
	Biji Nangka	**1,984**	21	370	507	825	261
	Daun Baharu	**82**	1	18	38	21	4
	Delah/Pinang-Pinang	**16**	0	7	3	4	2
	Duri/Pulutan/Utik	**1,024**	13	244	345	290	132
	Dengkis/Debam	**144**	0	25	56	49	14
	Gelama/Tengkerong/Selampai	**1,873**	100	372	826	510	65
	Gerut-Gerut	**71**	0	18	35	16	2
	Jenahak	**19**	1	1	3	8	6
	Kaci	**332**	1	27	92	139	73
	Kerapu	**746**	1	102	237	286	120
	Kerisi	**6,486**	43	919	2,428	2,002	1,094
	Kerisi Bali	**1,733**	0	76	332	673	652
	Kikek	**744**	5	403	236	86	14
	Malong	**119**	5	28	31	41	14
	Merah	**593**	1	58	138	238	158
	Mengkerong/conor/Ubi-Ubi	**3,800**	4	129	716	2,016	935
	Remong/Kunyit-Kunyit/Tanda	**1,288**	8	281	303	490	206
	Semilang	**19**	1	7	4	2	5
	Shrumbu/Lemah	**0**	0	0	0	0	0
	Puntung Damar/Bulus	**456**	27	128	150	122	29
	Pasir-Pasir/Timun-Timun	**583**	2	165	192	177	47
34	Alu-Alu/Kacang-Kacang	**842**	1	58	274	364	145
	Aruan Tasik	**188**	0	5	56	83	44
	Bawal	**464**	21	90	175	131	47

samb.dari Jadual 4.7.2

(cont'd from Table 4.7.2)

	Belanak/Kedera	**2**	0	1	1	0	0
	Cermin/Sagai/Cupak	**906**	10	211	281	273	131
	Cincaru	**990**	1	29	315	466	179
	Demuduk/Rambai	**408**	0	8	56	320	24
	Kurau/Senangin/Senohong	**10**	1	3	4	1	1
	Pelata/Selar	**1,862**	6	103	452	939	362
	Selar Kuning/Lolong	**5,791**	8	442	2,052	2,339	950
	Selayang/Curut	**1,806**	1	5	208	996	596
	Pisang-Pisang	**0**	0	0	0	0	0
	Talang	**83**	1	21	49	10	2
	Bilis/Bunga Air	**88**	1	1	39	39	8
	Parang-Parang	**694**	26	120	290	199	59
35	Tamban	**16**	2	10	1	1	2
	Bulan-Bulan	**1**	0	0	0	0	1
36	Aya/Kayu/Tongkol	**40**	0	2	13	23	2
	Layaran/Mersuji	**0**	0	0	0	0	0
37	Kembong/Temenong/Pelaling	**1,757**	1	70	536	827	323
	Tenggiri	**760**	5	58	316	291	90
	Timah/layor/Selayor	**771**	30	165	200	250	126
38	Pari	**4,024**	141	918	1,624	1,057	284
	Yu	**1,451**	19	153	604	457	218
39	Ikan Baja	**99,116**	2,832	6,179	32,727	40,078	17,300
	Ikan Campur	**12,289**	62	1,588	2,897	4,974	2,768
	Jebong	**832**	1	38	127	315	351
42	Ketam	**1,120**	106	374	382	213	45
43	Udang Karang/Lobok	**475**	7	43	183	181	61
45	Udang Putih	**426**	162	142	92	22	8
	Udang Minyak	**430**	174	189	61	4	2
	Udang Merah Ros	**0**	0	0	0	0	0
	Udang Kulit Keras	**211**	22	111	75	1	2
	Udang Harimau	**152**	12	43	65	30	2
	Lain-lain Jenis Udang	**3,508**	630	850	1,309	632	87
	Udang Baring	**0**	0	0	0	0	0
53	Siput/Kepah/Kupang/Tiram	**0**	0	0	0	0	0
57	Sotong Kereta	**368**	4	34	170	143	17
	Sotong Katak	**8,100**	176	1,585	3,034	2,511	794
	Sotong Biasa	**11,020**	34	1,893	3,639	3,982	1,472
77	Ubur-Ubur	**0**	0	0	0	0	0
	Jumlah/*Total*	**183,638**	4,749	19,119	59,159	70,248	30,363

Jadual *(Table)* 4.8.

SEMENANJUNG MALAYSIA/ *PENINSULAR MALAYSIA*

USAHA MENANGKAP IKAN DAN PENDARATAN PUKAT JERUT IKAN MENGIKUT KELAS MUATAN DAN SPESIS, 2001

FISHING EFFORT AND LANDINGS OF FISH PURSE SEINE BY TONNAGE CLASS AND SPECIES, 2001

ISSCAAP GROUP NO.	Usaha Menangkap Ikan *Fishing Effort*	Jumlah/ *Total*	Kelas Muatan/*Tonnage Class*				
			0-9.9 GRT	10-24.9 GRT	25-39.9 GRT	40-69.9 GRT	70 GRT & *Above*
	Cumulative no. of Fishing Units	**6,116**	**7**	**1,183**	**911**	**2,651**	**1,364**
	Cumulative no. of Trips	**57,329**	**126**	**14,817**	**9,979**	**27,458**	**4,949**
	Cumulative no. of Days	**92,657**	**126**	**15,465**	**12,399**	**37,197**	**27,470**
	Cumulative no. of Hauls	**282,378**	**288**	**44,059**	**41,441**	**108,483**	**88,107**
	Cumulative numbers of Hours	**709,581**	**288**	**124,459**	**92,651**	**263,428**	**228,755**
	Spesis/*Species*	**Tan Metrik/** *Tonnes*					
24	Kebasi Selangat	**0**	0	0	0	0	0
	Puput/B.Mata/Tirok	**0**	0	0	0	0	0
	Terubok	**0**	0	0	0	0	0
25	Siakap	**0**	0	0	0	0	0
31	Lidah	**0**	0	0	0	0	0
	Sebelah	**0**	0	0	0	0	0
33	Bayan	**0**	0	0	0	0	0
	Biji Nangka	**0**	0	0	0	0	0
	Daun Baharu	**0**	0	0	0	0	0
	Delah/Pinang-Pinang	**29**	0	0	0	29	0
	Duri/Pulutan/Utik	**126**	0	63	63	0	0
	Dengkis/Debam	**2**	0	0	0	2	0
	Gelama/Tengkerong/Selampai	**9**	0	5	1	3	0
	Gerut-Gerut	**0**	0	0	0	0	0
	Jenahak	**1**	0	0	0	0	1
	Kaci	**0**	0	0	0	0	0
	Kerapu	**0**	0	0	0	0	0
	Kerisi	**0**	0	0	0	0	0
	kerisi Bali	**0**	0	0	0	0	0
	Kikek	**64**	0	0	0	64	0
	Malong	**0**	0	0	0	0	0
	Merah	**6**	0	0	0	0	6
	Mengkerong/conor/Ubi-Ubi	**0**	0	0	0	0	0
	Remong/Kunyit-Kunyit/Tanda	**0**	0	0	0	0	0
	Semilang	**0**	0	0	0	0	0
	Shrumbu/Lemah	**0**	0	0	0	0	0
	Puntung Damar/Bulus	**0**	0	0	0	0	0
	Pasir-Pasir/Timun-Timun	**0**	0	0	0	0	0
34	Alu-Alu/Kacang-Kacang	**210**	0	125	30	43	12
	Aruan Tasik	**2**	0	0	0	2	0
	Bawal	**950**	6	517	200	203	24

Samb.Dari Jadual 4.8.
(Cont'd From Table 4.8.)

	Belanak/Kedera	0	0	0	0	0	0
	Cermin/Sagai/Cupak	490	0	308	49	38	95
	Cencaru	3,173	0	331	159	2,053	630
	Demuduk/Rambai	520	0	201	82	154	83
	Kurau/Senangin/Senohong	0	0	0	0	0	0
	Pelata/Selar	12,414	4	1,567	1,388	6,605	2,850
	Selar Kuning/Lolong	27,637	2	4,618	4,315	13,431	5,271
	Selayang/Curut	60,153	1	1,935	5,495	13,950	38,772
	Pisang-Pisang	73	0	0	0	25	48
	Talang	127	0	25	3	89	10
	Bilis/Bunga Air	0	0	0	0	0	0
	Parang-Parang	20	0	3	8	9	0
35	Tamban	23,668	0	2,090	2,255	17,234	2,089
	Bulan-Bulan	0	0	0	0	0	0
36	Aya/Kayu/Tongkol	35,297	14	3,663	3,305	13,035	15,280
	Layaran/Mersuji	1	0	0	0	0	1
37	Kembong/Temenong/Pelaling	24,535	1	1,145	5,538	14,596	3,255
	Tenggiri	457	0	208	117	104	28
	Timah/layor/Selayor	854	0	135	63	646	10
38	Pari	2	0	0	0	2	0
	Yu	2	0	2	0	0	0
39	Ikan Baja	4,355	5	483	264	1,561	2,042
	Ikan Campur	7,470	0	317	517	5,472	1,164
	Jebong	29	0	0	6	23	0
42	Ketam	0	0	0	0	0	0
43	Udang Karang/Lobok	0	0	0	0	0	0
45	Udang Putih	0	0	0	0	0	0
	Udang Minyak	0	0	0	0	0	0
	Udang Merah Ros	0	0	0	0	0	0
	Udang Kulit Keras	0	0	0	0	0	0
	Udang Harimau	0	0	0	0	0	0
	Lain-lain Jenis Udang	355	0	0	249	106	0
	Udang Baring	0	0	0	0	0	0
53	Siput/Kepah/Kupang/Tiram	0	0	0	0	0	0
57	Sotong Kereta	0	0	0	0	0	0
	Sotong Katak	0	0	0	0	0	0
	Sotong Biasa	981	0	350	294	249	88
77	Ubur-Ubur	0	0	0	0	0	0
	Jumlah/*Total*	**204,012**	**33**	**18,091**	**24,401**	**89,728**	**71,759**

PANTAI BARAT SEMENANJUNG MALAYSIA/*WEST COAST PENINSULAR MALAYSIA*

USAHA MENANGKAP IKAN DAN PENDARATAN PUKAT JERUT IKAN MENGIKUT KELAS MUATAN DAN SPESIS, 2001

FISHING EFFORT AND LANDINGS OF FISH PURSE SEINE BY TONNAGE CLASS AND SPECIES, 2001

ISSCAAP GROUP NO.	Usaha Menangkap Ikan *Fishing Effort*	Jumlah/ *Total*	Kelas Muatan/*Tonnage Class*				
			0-9.9 GRT	10-24.9 GRT	25-39.9 GRT	40-69.9 GRT	70 GRT & *Above*
	Cumulative numbers of Fishing Units	**2,148**	**0**	**12**	**252**	**1,477**	**407**
	Cumulative numbers of Trips	**22,317**	**0**	**142**	**3,003**	**17,116**	**2,056**
	Cumulative numbers of Days	**31,717**	**0**	**142**	**3,159**	**20,250**	**8,166**
	Cumulative numbers of Hauls	**50,848**	**0**	**780**	**7,090**	**35,551**	**7,427**
	Cumulative numbers of Hours	**155,170**	**0**	**2,320**	**19,824**	**104,984**	**28,042**
	Spesis/*Species*	**Tan Metrik/ *Tonnes***					
24	Kebasi Selangat	0	0	0	0	0	0
	Puput/B.Mata/Tirok	0	0	0	0	0	0
	Terubok	0	0	0	0	0	0
25	Siakap	0	0	0	0	0	0
31	Lidah	0	0	0	0	0	0
	Sebelah	0	0	0	0	0	0
33	Bayan	0	0	0	0	0	0
	Biji Nangka	0	0	0	0	0	0
	Daun Baharu	0	0	0	0	0	0
	Delah/Pinang-Pinang	0	0	0	0	0	0
	Duri/Pulutan/Utik	0	0	0	0	0	0
	Dengkis/Debam	0	0	0	0	0	0
	Gelama/Tengkerong/Selampai	3	0	0	1	2	0
	Gerut-Gerut	0	0	0	0	0	0
	Jenahak	1	0	0	0	0	1
	Kaci	0	0	0	0	0	0
	Kerapu	0	0	0	0	0	0
	Kerisi	0	0	0	0	0	0
	Kerisi Bali	0	0	0	0	0	0
	Kikek	0	0	0	0	0	0
	Malong	0	0	0	0	0	0
	Merah	0	0	0	0	0	0
	Mengkerong/conor/Ubi-Ubi	0	0	0	0	0	0
	Remong/Kunyit-Kunyit/Tanda	0	0	0	0	0	0
	Semilang	0	0	0	0	0	0
	Shrumbu/Lemah	0	0	0	0	0	0
	Puntung Damar/Bulus	0	0	0	0	0	0
	Pasir-Pasir/Timun-Timun	0	0	0	0	0	0
34	Alu-Alu/Kacang-Kacang	0	0	0	0	0	0
	Aruan Tasik	0	0	0	0	0	0
	Bawal	6	0	4	0	0	2

samb.dari Jadual 4.8.1
(cont'd from Table 4.8.1)

	Belanak/Kedera	0	0	0	0	0	0
	Cermin/Sagai/Cupak	73	0	0	0	5	68
	Cincaru	1,065	0	0	9	491	565
	Demuduk/Rambai	8	0	0	0	8	0
	Kurau/Senangin/Senohong	0	0	0	0	0	0
	Pelata/Selar	2,894	0	0	0	1,374	1,520
	Selar Kuning/Lolong	2,242	0	0	0	543	1,699
	Selayang/Curut	4,765	0	0	0	1,704	3,061
	Pisang-Pisang	68	0	0	0	20	48
	Talang	5	0	0	0	0	5
35	Bilis/Bunga Air	0	0	0	0	0	0
	Parang-Parang	4	0	0	0	4	0
	Tamban	3,052	0	0	174	1,591	1,287
	Bulan-Bulan	0	0	0	0	0	0
36	Aya/Kayu/Tongkol	8,590	0	0	34	5,296	3,260
	Layaran/Mersuji	1	0	0	0	0	1
37	Kembong/Temenong/Pelaling	17,771	0	0	3,942	11,929	1,900
	Tenggiri	72	0	0	0	58	14
	Timah/layor/Selayor	607	0	0	0	607	0
38	Pari	1	0	0	0	1	0
	Yu	0	0	0	0	0	0
39	Ikan Baja	4,114	5	482	264	1,413	1,950
	Ikan Campur	858	0	36	63	337	422
	Jebong	0	0	0	0	0	0
42	Ketam	0	0	0	0	0	0
43	Udang Karang/Lobok	0	0	0	0	0	0
45	Udang Putih	0	0	0	0	0	0
	Udang Minyak	0	0	0	0	0	0
	Udang Merah Ros	0	0	0	0	0	0
	Udang Kulit Keras	0	0	0	0	0	0
	Udang Harimau	0	0	0	0	0	0
	Lain-lain Jenis Udang	355	0	0	249	106	0
	Udang Baring	0	0	0	0	0	0
53	Siput/Kepah/Kupang/Tiram	0	0	0	0	0	0
57	Sotong Kereta	0	0	0	0	0	0
	Sotong Katak	0	0	0	0	0	0
	Sotong Biasa	114	0	0	0	59	55
77	Ubur-Ubur	0	0	0	0	0	0
	Jumlah/*Total*	**46,669**	5	522	4,736	25,548	15,858

Jadual *(Table)* 4.8.2

PANTAI TIMUR SEMENANJUNG MALAYSIA/*EAST COAST PENINSULAR MALAYSIA*

USAHA MENANGKAP IKAN DAN PENDARATAN PUKAT JERUT IKAN MENGIKUT KELAS MUATAN DAN SPESIS, 2001

FISHING EFFORT AND LANDINGS OF FISH PURSE SEINE BY TONNAGE CLASS AND SPECIES, 2001

ISSCAAP GROUP NO.	Usaha Menangkap Ikan *Fishing Effort*	Jumlah/ *Total*	Kelas Muatan/*Tonnage Class*				
			0-9.9 GRT	10-24.9 GRT	25-39.9 GRT	40-69.9 GRT	70 GRT & *Above*
	Cumulative numbers of Fishing Units	**3,968**	**7**	**1,171**	**659**	**1,174**	**957**
	Cumulative numbers of Trips	**35,012**	**126**	**14,675**	**6,976**	**10,342**	**2,893**
	Cumulative numbers of Days	**60,940**	**126**	**15,323**	**9,240**	**16,947**	**19,304**
	Cumulative numbers of Hauls	**231,530**	**288**	**43,279**	**34,351**	**72,932**	**80,680**
	Cumulative numbers of Hours	**554,411**	**288**	**122,139**	**72,827**	**158,444**	**200,713**
	Spesis/*Species*	**Tan Metrik/** *Tonnes*					
24	Kebasi Selangat	0	0	0	0	0	0
	Puput/B.Mata/Tirok	0	0	0	0	0	0
	Terubok	0	0	0	0	0	0
25	Siakap	0	0	0	0	0	0
31	Lidah	0	0	0	0	0	0
	Sebelah	0	0	0	0	0	0
33	Bayan	0	0	0	0	0	0
	Biji Nangka	0	0	0	0	0	0
	Daun Baharu	0	0	0	0	0	0
	Delah/Pinang-Pinang	29	0	0	0	29	0
	Duri/Pulutan/Utik	126	0	63	63	0	0
	Dengkis/Debam	2	0	0	0	2	0
	Gelama/Tengkerong/Selampai	6	0	5	0	1	0
	Gerut-Gerut	0	0	0	0	0	0
	Jenahak	0	0	0	0	0	0
	Kaci	0	0	0	0	0	0
	Kerapu	0	0	0	0	0	0
	Kerisi	0	0	0	0	0	0
	Kerisi Bali	0	0	0	0	0	0
	Kikek	64	0	0	0	64	0
	Malong	0	0	0	0	0	0
	Merah	6	0	0	0	0	6
	Mengkerong/conor/Ubi-Ubi	0	0	0	0	0	0
	Remong/Kunyit-Kunyit/Tanda	0	0	0	0	0	0
	Semilang	0	0	0	0	0	0
	Shrumbu/Lemah	0	0	0	0	0	0
	Puntung Damar/Bulus	0	0	0	0	0	0
	Pasir-Pasir/Timun-Timun	0	0	0	0	0	0
34	Alu-Alu/Kacang-Kacang	210	0	125	30	43	12
	Aruan Tasik	2	0	0	0	2	0
	Bawal	944	6	513	200	203	22

samb.dari Jadual 4.8.2
(cont'd from Table 4.8.2)

	Belanak/Kedera	**0**	0	0	0	0	0
	Cermin/Sagai/Cupak	**417**	0	308	49	33	27
	Cincaru	**2,108**	0	331	150	1,562	65
	Demuduk/Rambai	**512**	0	201	82	146	83
	Kurau/Senangin/Senohong	**0**	0	0	0	0	0
	Pelata/Selar	**9,520**	4	1,567	1,388	5,231	1,330
	Selar Kuning/Lolong	**25,395**	2	4,618	4,315	12,888	3,572
	Selayang/Curut	**55,388**	1	1,935	5,495	12,246	35,711
	Pisang-Pisang	**5**	0	0	0	5	0
	Talang	**122**	0	25	3	89	5
	Bilis/Bunga Air	**0**	0	0	0	0	0
	Parang-Parang	**16**	0	3	8	5	0
35	Tamban	**20,616**	0	2,090	2,081	15,643	802
	Bulan-Bulan	**0**	0	0	0	0	0
36	Aya/Kayu/Tongkol	**26,707**	14	3,663	3,271	7,739	12,020
	Layaran/Mersuji	**0**	0	0	0	0	0
37	Kembong/Temenong/Pelaling	**6,764**	1	1,145	1,596	2,667	1,355
	Tenggiri	**385**	0	208	117	46	14
	Timah/layor/Selayor	**247**	0	135	63	39	10
38	Pari	**1**	0	0	0	1	0
	Yu	**2**	0	2	0	0	0
39	Ikan Baja	**241**	0	1	0	148	92
	Ikan Campur	**6,612**	0	281	454	5,135	742
	Jebong	**29**	0	0	6	23	0
42	Ketam	**0**	0	0	0	0	0
43	Udang Karang/Lobok	**0**	0	0	0	0	0
45	Udang Putih	**0**	0	0	0	0	0
	Udang Minyak	**0**	0	0	0	0	0
	Udang Merah Ros	**0**	0	0	0	0	0
	Udang Kulit Keras	**0**	0	0	0	0	0
	Udang Harimau	**0**	0	0	0	0	0
	Lain-lain Jenis Udang	**0**	0	0	0	0	0
	Udang Baring	**0**	0	0	0	0	0
53	*Siput/Kepah/Kupang/Tiram*	**0**	0	0	0	0	0
57	Sotong Kereta	**0**	0	0	0	0	0
	Sotong Katak	**0**	0	0	0	0	0
	Sotong Biasa	**867**	0	350	294	190	33
77	Ubur-Ubur	**0**	0	0	0	0	0
	Jumlah/*Total*	**157,343**	28	17,569	19,665	64,180	55,901

SEMENANJUNG MALAYSIA/PENINSULAR MALAYSIA

BILANGAN KUMULATIF UNIT OPERASI MENANGKAP IKAN MENGIKUT JENIS PERKAKAS DAN NEGERI, 2001

CUMMULATIVE NUMBER OF FISHING UNITS BY TYPE OF GEAR AND STATE, 2001

Jenis Perkakas *Type Of Gear*	Pukat Tunda *Trawl Nets*					Pukat Jerut Ikan *Fish Purse Seines*					Pukat Jerut Bilis *Anchovy Purse Seines*					Pukat Tarik Lain *Other Seines*	Pukat Hanyut *Drift/ Gill Nets*	Pukat Tangguk *Lift Nets*	Belat *Stationary Traps*	Bubu *Portable Traps*	Pancing *Hook& Line*	Pukat Bakul *Bag Nets*	Pukat Rentang *Barrier Nets*	Pukat Surung *Push/ Scoop Nets*	Memungut Siput *Shellfish Collection*	Rampaian *Miscellaneous*
	0-9.9 *GRT*	10-24.9 *GRT*	25-39.9 *GRT*	40-69.9 *GRT*	70GRT *& keatas*	0-9.9 *GRT*	10-24.9 *GRT*	25-39.9 *GRT*	40-69.9 *GRT*	70GRT *& keatas*	0-9.9 *GRT*	10-24.9 *GRT*	25-39.9 *GRT*	40-69.9 *GRT*	70GRT *& keatas*											
Pantai Barat/*West Coast:*																										
Perlis	804	1,008	660	780	192	-	-	168	504	365	-	-	-	-	-	-	5,366	-	-	-	-	-	-	804	-	480
Kedah	5,076	1,284	2,028	456	160	-	-	-	132	24	-	-	-	-	660	516	30,336	-	120	144	744	1,992	588	2,628	132	1,800
Pulau Pinang	-	-	840	201	3	-	-	72	9	2	-	-	-	-	-	893	20,981	-	-	133	1,763	350	906	148	73	1,138
Perak	1,082	10,854	1,584	3,581	790	-	12	-	660	16	-	-	-	92	-	4,123	21,161	-	-	122	4,523	2,305	887	5,090	388	2,981
Selangor	2,056	6,121	2,418	1,112	-	-	-	12	172	-	-	-	-	-	-	266	28,004	-	82	895	5,338	1,937	671	1,634	435	13
Negeri Sembilan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	62	2,156	-	-	116	138	-	-	-	-	-
Melaka	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10,096	-	-	12	880	-	-	1,440	96	-
Johor Barat *(West Johor)*	282	2,034	67	-	-	-	-	-	-	-	-	-	-	-	-	-	24,858	-	540	1,522	139	251	350	2,079	-	795
Jumlah Kecil	9,300	21,301	7,597	6,130	1,145	-	12	252	1,477	407	-	-	-	92	660	5,860	142,958	-	742	2,944	13,525	6,835	3,402	13,823	1,124	7,207
Pantai Timur/*East Coast*																										
Kelantan	-	1,269	346	294	81	-	-	11	105	661	35	41	-	-	-	-	3,009	347	341	94	887	-	-	-	-	537
Terengganu	553	1,551	603	57	19	7	1,087	583	382	222	19	110	22	-	-	-	3,353	284	-	3,338	7,029	-	-	-	-	-
Pahang	1,008	646	931	1,187	833	-	5	26	386	52	-	27	-	28	-	-	6,716	28	-	1,154	2,006	-	-	-	6	-
Johor Timur *(East Johor)*	708	814	1,421	1,147	235	-	79	39	301	22	-	-	-	-	-	-	3,626	-	-	309	974	663	-	-	-	739
Jumlah Kecil	2,269	4,280	3,301	2,685	1,168	7	1,171	659	1,174	957	54	178	22	28	-	-	16,704	659	341	4,895	10,896	663	-	-	6	1,276
Jumlah Besar	11,569	25,581	10,898	8,815	2,313	7	1,183	911	2,651	1,364	54	178	22	120	660	5,860	159,662	659	1,083	7,839	24,421	7,498	3,402	13,823	1,130	8,483

* *GRT: Gross Registered Tonnage*

Jadual *(Table)* 5.1

SEMENANJUNG MALAYSIA/PENINSULAR MALAYSIA

USAHA MENANGKAP IKAN : BILANGAN TRIP MENANGKAP IKAN MENGIKUT JENIS PERKAKAS DAN NEGERI, 2001

FISHING EFFORT: NUMBER OF TRIPS BY TYPE OF GEAR AND STATE, 2001

Jenis Perkakas *Type Of Gear*	Pukat Tunda *Trawl Nets*					Pukat Jerut Ikan *Fish Purse Seines*					Pukat Jerut Bilis *Anchovy Purse Seines*					Pukat Tarik Lain *Other Seines*	Pukat Hanyut *Drift/ Gill Nets*	Pukat Tangguk *Lift Nets*	Belat *Stationary Traps*	Bubu *Portable Traps*	Pancing *Hook& Line*
	0 -9.9 *GRT*	10 -24.9 *GRT*	25 -39.9 *GRT*	40-69.9 *GRT*	70GRT *& keatas*	0 -9.9 *GRT*	10 -24.9 *GRT*	25 -39.9 *GRT*	40-69.9 *GRT*	70GRT *& keatas*	0 -9.9 *GRT*	10 -24.9 *GRT*	25 -39.9 *GRT*	40-69.9 *GRT*	70GRT *& keatas*						
Pantai Barat/*West Coast:*																					
Perlis	9,045	7,728	1,430	1,235	352	-	-	2,030	3,360	1,616	-	-	-	-	-	-	48,741	-	-	-	-
Kedah	96,021	23,861	18,759	2,280	640	-	-	-	1,881	280	-	-	-	-	10,945	7,267	30,336	-	1,420	2,412	9,362
Pulau Pinang	-	-	14,280	1,122	18	-	-	834	113	2	-	-	-	-	-	17,638	299,036	-	-	1,772	24,545
Perak	19,639	170,964	15,840	10,743	2,435	-	142	-	9,558	158	-	-	-	4,444	-	65,287	266,230	-	-	2,104	51,660
Selangor	21,001	107,648	33,146	6,925	-	-	-	139	2,204	-	-	-	-	-	-	3,423	369,027	-	1,244	9,780	49,625
Negeri Sembilan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	408	21,557	-	-	262	1,369
Melaka	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	131,248	-	-	30	11,578
Johor Barat *(West Johor)*	3,899	30,205	712	-	-	-	-	-	-	-	-	-	-	-	-	-	356,210	-	21,600	13,566	2,203
Jumlah Kecil	149,605	340,406	84,167	22,305	3,445	-	142	3,003	17,116	2,056	-	-	-	4,444	10,945	94,023	1,522,385	-	24,264	29,926	150,342
Pantai Timur/*East Coast*																					
Kelantan	-	13,940	983	556	118	-	-	51	349	1,843	294	397	-	-	-	-	36,772	4,457	4,894	369	11,089
Terengganu	7,474	23,917	2,087	152	33	126	14,131	6,228	3,087	709	338	1,457	370	-	-	-	40,830	2,644	-	25,364	67,432
Pahang	18,417	9,583	4,580	2,751	1,666	-	58	416	4,846	209	-	423	-	692	-	-	123,359	28	-	1,154	18,428
Johor Timur *(East Johor)*	6,960	6,657	4,152	3,252	470	-	486	281	2,060	132	-	-	-	-	-	-	46,566	-	-	2,363	7,517
Jumlah Kecil	32,851	54,097	11,802	6,711	2,287	126	14,675	6,976	10,342	2,893	632	2,277	370	692	-	-	247,527	7,129	4,894	29,250	104,466
Jumlah Besar	182,456	394,503	95,969	29,016	5,732	126	14,817	9,979	27,458	4,949	632	2,277	370	5,136	10,945	94,023	1,769,912	7,129	29,158	59,176	254,808

* *GRT: Gross Registered Tonnage*

SEMENANJUNG MALAYSIA/PENINSULAR MALAYSIA

USAHA MENANGKAP IKAN : BILANGAN HARI MENANGKAP IKAN MENGIKUT JENIS PERKAKAS DAN NEGERI, 2001

FISHING EFFORT: NUMBER OF DAYS BY TYPE OF GEAR AND STATE, 2001

Jenis Perkakas *Type Of Gear*	Pukat Tunda *Trawl Nets*					Pukat Jerut Ikan *Fish Purse Seines*					Pukat Jerut Bilis *Anchovy Purse Seines*					Pukat Tarik Lain *Other Seines*	Pukat Hanyut *Drift/ Gill Nets*	Pukat Tangguk *Lift Nets*	Belat *Stationary Traps*	Bubu *Portable Traps*	Pancing *Hook& Line*
	0 -9.9 *GRT*	10 -24.9 *GRT*	25 -39.9 *GRT*	40-69.9 *GRT*	70GRT *& keatas*	0 -9.9 *GRT*	10 -24.9 *GRT*	25 -39.9 *GRT*	40-69.9 *GRT*	70GRT *& keatas*	0 -9.9 *GRT*	10 -24.9 *GRT*	25 -39.9 *GRT*	40-69.9 *GRT*	70GRT *& keatas*						
Pantai Barat/*West Coast:*																					
Perlis	9,045	11,844	9,735	13,975	3,680	-	-	2,030	5,880	7,340	-	-	-	-	-	-	59,920	-	-	-	-
Kedah	96,021	23,861	35,659	8,664	3,450	-	-	-	2,420	464	-	-	-	-	10,945	7,267	386,784	-	1,450	2,412	9,300
Pulau Pinang	-	-	14,280	3,858	37	-	-	990	133	50	-	-	-	-	-	17,638	299,036	-	-	2,052	24,545
Perak	19,639	177,292	23,496	69,830	15,987	-	142	-	9,613	312	-	-	-	2,390	-	65,287	269,708	-	-	2,079	52,398
Selangor	21,001	107,648	43,450	18,874	-	-	-	139	2,204	-	-	-	-	-	-	3,423	369,027	-	1,244	10,156	53,160
Negeri Sembilan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	408	21,915	-	-	1,152	1,369
Melaka	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	131,248	-	-	30	11,578
Johor Barat *(West Johor)*	3,899	30,205	721	-	-	-	-	-	-	-	-	-	-	-	-	-	356,210	-	10,800	46,016	2,203
Jumlah Kecil	149,605	350,850	127,341	115,201	23,154	-	142	3,159	20,250	8,166	-	-	-	2,390	10,945	94,023	1,893,848	-	13,494	63,897	154,553
Pantai Timur/*East Coast*																					
Kelantan	-	13,940	5,253	4,789	1,689	-	-	187	1,691	14,225	294	397	-	-	-	-	36,120	5,261	4,894	1,624	8,904
Terengganu	7,658	25,107	10,595	1,176	340	126	14,296	8,250	6,162	3,900	338	1,457	394	-	-	-	40,547	284	-	53,570	111,122
Pahang	18,417	11,750	17,127	24,998	17,709	-	58	416	4,948	808	-	423	-	692	-	-	123,359	468	-	21,036	32,646
Johor Timur *(East Johor)*	6,996	10,075	25,413	20,653	4,480	-	969	387	4,146	371	-	-	-	-	-	-	50,817	-	-	9,151	14,232
Jumlah Kecil	33,071	60,872	58,388	51,616	24,218	126	15,323	9,240	16,947	19,304	632	2,277	394	692	-	-	250,843	6,013	4,894	85,381	166,904
Jumlah Besar	182,676	411,722	185,729	166,817	47,372	126	15,465	12,399	37,197	27,470	632	2,277	394	3,082	10,945	94,023	2,144,691	6,013	18,388	149,278	321,457

* *GRT: Gross Registered Tonnage*

Jadual *(Table)* **5.3**

SEMENANJUNG MALAYSIA/PENINSULAR MALAYSIA

USAHA MENANGKAP IKAN : BILANGAN KALI MENANGKAP IKAN MENGIKUT JENIS PERKAKAS DAN NEGERI, 2001

FISHING EFFORT: NUMBER OF HAULS BY TYPE OF GEAR AND STATE, 2001

Jenis Perkakas *Type Of Gear*	Pukat Tunda *Trawl Nets*					Pukat Jerut Ikan *Fish Purse Seines*					Pukat Jerut Bilis *Anchovy Purse Seines*					Pukat Tarik Lain *Other Seines*	Pukat Hanyut *Drift/ Gill Nets*	Pukat Tangguk *Lift Nets*
	0 -9.9 *GRT*	10 -24.9 *GRT*	25 -39.9 *GRT*	40-69.9 *GRT*	70GRT *& keatas*	0 -9.9 *GRT*	10 -24.9 *GRT*	25 -39.9 *GRT*	40-69.9 *GRT*	70GRT *& keatas*	0 -9.9 *GRT*	10 -24.9 *GRT*	25 -39.9 *GRT*	40-69.9 *GRT*	70GRT *& keatas*			
Pantai Barat/*West Coast:*																		
Perlis	18,224	38,052	18,645	25,415	6,784	-	-	4,102	9,282	6,245	-	-	-	-	-	-	119,840	-
Kedah	200,079	71,583	159,198	36,632	16,286	-	-	-	4,620	864	-	-	-	-	21,945	72,584	513,184	-
Pulau Pinang	-	-	42,910	11,778	111	-	-	2,832	272	22	-	-	-	-	-	174,062	797,626	-
Perak	39,630	511,982	99,000	225,961	50,703	-	780	-	19,173	296	-	-	-	8,392	-	143,649	853,461	-
Selangor	41,842	271,579	148,813	57,790	-	-	-	156	2,204	-	-	-	-	-	-	124,269	1,210,763	-
Negeri Sembilan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,039	32,301	-
Melaka	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	132,928	-
Johor Barat *(West Johor)*	7,866	60,105	1,443	-	-	-	-	-	-	-	-	-	-	-	-	-	507,557	-
Jumlah Kecil	307,641	953,301	470,009	357,576	73,884	-	780	7,090	35,551	7,427	-	-	-	8,392	21,945	516,603	4,167,660	-
Pantai Timur/*East Coast*																		
Kelantan	-	34,858	13,607	12,906	3,665	-	-	373	4,150	21,904	840	1,815	-	-	-	-	105,217	14,330
Terengganu	24,171	81,721	174,423	28,700	14,358	288	41,666	32,176	48,381	55,623	1,520	4,371	1,182	-	-	-	99,454	19,122
Pahang	55,251	50,633	97,161	87,318	58,038	-	116	1,242	15,048	2,683	-	1,269	-	1,684	-	-	370,191	1,428
Johor Timur *(East Johor)*	19,884	35,946	114,633	92,068	18,768	-	1,497	560	5,353	470	-	-	-	-	-	-	109,132	-
Jumlah Kecil	99,306	203,158	399,824	220,992	94,829	288	43,279	34,351	72,932	80,680	2,360	7,455	1,182	1,684	-	-	683,994	34,880
Jumlah Besar	406,947	1,156,459	869,833	578,568	168,713	288	44,059	41,441	108,483	88,107	2,360	7,455	1,182	10,076	21,945	516,603	4,851,654	34,880

* *GRT: Gross Registered Tonnage*

SEMENANJUNG MALAYSIA/PENINSULAR MALAYSIA

USAHA MENANGKAP IKAN : JUMLAH MASA (JAM) MENANGKAP IKAN MENGIKUT JENIS PERKAKAS DAN NEGERI, 2001

FISHING EFFORT: TOTAL FISHING TIME (HOURS) BY TYPE OF GEAR AND STATE, 2001

Jenis Perkakas *Type Of Gear*	Pukat Tunda *Trawl Nets*					Pukat Jerut Ikan *Fish Purse Seines*					Pukat Jerut Bilis *Anchovy Purse Seines*					Pukat Tarik Lain *Other Seines*	Pukat Hanyut *Drift/ Gill Nets*	Pukat Tangguk *Lift Nets*
	0 -9.9 *GRT*	10 -24.9 *GRT*	25 -39.9 *GRT*	40-69.9 *GRT*	70GRT *& keatas*	0 -9.9 *GRT*	10 -24.9 *GRT*	25 -39.9 *GRT*	40-69.9 *GRT*	70GRT *& keatas*	0 -9.9 *GRT*	10 -24.9 *GRT*	25 -39.9 *GRT*	40-69.9 *GRT*	70GRT *& keatas*			
Pantai Barat/*West Coast:*																		
Perlis	54,672	122,556	55,935	76,245	20,352	-	-	16,240	37,128	24,980	-	-	-	-	-	-	419,883	-
Kedah	600,237	214,749	477,594	146,528	63,814	-	-	-	10,923	2,036	-	-	-	-	65,835	15,738	889,856	-
Pulau Pinang	-	-	124,390	35,351	333	-	-	3,408	427	66	-	-	-	-	-	74,113	1,129,552	-
Perak	124,344	1,563,835	273,108	679,689	160,760	-	2,320	-	54,302	960	-	-	-	15,888	-	461,792	2,599,673	-
Selangor	82,404	792,577	479,933	355,749	-	-	-	176	2,204	-	-	-	-	-	-	12,329	1,749,017	-
Negeri Sembilan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8,877	140,134	-
Melaka	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	571,240	-
Johor Barat *(West Johor)*	23,598	180,315	4,255	-	-	-	-	-	-	-	-	-	-	-	-	-	2,311,289	-
Jumlah Kecil	885,255	2,874,032	1,415,215	1,293,562	245,259	-	2,320	19,824	104,984	28,042	-	-	-	15,888	65,835	572,849	9,810,644	-
Pantai Timur/*East Coast*																		
Kelantan	-	78,329	44,154	50,440	15,174	-	-	797	9,016	53,729	1,596	2,450	-	-	-	-	254,420	27,832
Terengganu	66,268	233,503	523,269	86,105	43,074	288	120,294	67,744	96,762	138,341	1,672	11,715	4,728	-	-	-	275,183	22,570
Pahang	165,753	151,960	291,483	283,254	174,114	-	348	3,726	45,144	8,049	-	3,213	-	3,368	-	-	1,005,828	4,284
Johor Timur *(East Johor)*	59,652	107,682	343,899	276,204	56,304	-	1,497	560	7,522	594	-	-	-	-	-	-	727,523	-
Jumlah Kecil	291,673	571,474	1,202,805	696,003	288,666	288	122,139	72,827	158,444	200,713	3,268	17,378	4,728	3,368	-	-	2,262,954	54,686
Jumlah Besar	1,176,928	3,445,506	2,618,020	1,989,565	533,925	288	124,459	92,651	263,428	228,755	3,268	17,378	4,728	19,256	65,835	572,849	12,073,598	54,686

* *GRT: Gross Registered Tonnage*

SEMENANJUNG MALAYSIA

HARGA PURATA IKAN DIPANTAI MENGIKUT BULAN, 2001 **Jadual *(Table)* 6.1**

MONTHLY AVERAGE EX-VESSEL PRICES OF FRESH FISH, 2001

(RM/KG)

Spesis *Species*	**Januari** */January*	**Februari** */February*	**Mac** */March*	**April** */April*	**Mei** */May*	**Jun** */June*	**Julai** */July*	**Ogos** */August*	**September** */September*	**Oktober** */October*	**November** */November*	**Disember** */December*	**Purata, 2000** *Average, 2000*
Bawal Putih	19.79	16.57	17.27	17.67	17.66	18.69	19.01	18.07	17.90	18.94	17.85	18.75	18.88
Bawal Hitam	14.66	12.38	12.41	12.36	12.71	12.90	13.23	12.85	12.48	12.77	12.10	13.19	12.84
Kerapu	15.08	13.93	14.18	13.69	13.92	13.73	14.16	13.99	14.22	14.21	14.15	14.40	14.14
Tenggiri	11.16	10.61	10.42	10.52	11.16	10.91	10.97	10.00	10.83	10.89	10.97	10.84	10.77
Jenahak	13.21	12.21	12.33	11.39	11.67	11.64	12.11	11.83	11.90	11.66	11.73	11.67	11.95
Merah	8.94	8.68	8.85	8.51	8.81	8.29	8.38	8.69	8.76	8.57	8.91	8.83	8.69
Kaci	5.23	5.50	5.50	5.21	5.59	5.52	5.64	5.39	5.36	5.20	5.26	5.77	5.43
Cermin	4.75	5.59	5.48	5.57	5.37	5.15	5.29	5.09	4.96	4.97	5.18	5.39	4.84
Gelama	2.61	2.31	2.22	2.34	2.28	2.23	2.30	2.18	2.24	2.32	2.53	2.56	2.34
Kembong	4.68	4.54	4.60	4.67	4.78	4.76	4.74	4.64	4.60	4.57	4.73	4.80	4.68
Kerisi	3.49	3.37	3.40	3.50	3.53	3.33	3.43	3.42	3.43	3.34	3.46	3.61	3.44
Selayang	2.12	1.86	1.97	1.85	2.39	2.27	2.20	1.91	1.91	1.93	2.05	2.02	2.04
Tamban	2.07	1.86	1.90	1.63	1.72	1.77	2.00	1.96	2.07	1.72	2.06	2.14	1.91
Selar/Pelata	3.49	3.06	3.11	3.29	3.59	3.50	2.76	3.24	3.34	3.31	3.33	3.36	3.28
Sotong Biasa	5.53	5.31	5.32	5.36	5.42	5.36	5.50	5.23	5.55	5.22	5.44	5.54	5.40
Aya/Tongkol	2.81	2.58	2.81	2.92	2.84	2.72	2.85	2.84	2.71	2.83	2.90	3.01	2.58
Udang Putih	38.22	31.52	31.56	31.53	32.88	32.06	32.88	32.38	31.93	31.64	31.37	32.04	29.32
Udang Harimau	32.91	30.05	28.89	28.83	30.04	29.53	30.48	29.92	29.69	30.27	29.74	29.22	29.96
Udang-udang Lain	10.27	9.33	7.94	8.86	9.07	9.10	8.82	8.54	8.82	8.02	8.76	8.94	8.87

MALAYSIA **Jadual*(Table)* 7.1**

NILAI HARGA BORONG PENDARATAN IKAN LAUT, 2001

WHOLESALE VALUE OF MARINE FISH LANDING, 2001

Negeri/*State*	Gred 1 *Grade1*		Gred 11 *Grade11*		Gred 111 *Grade111*		Udang *Prawn*		Ikan Baja *Trash Fish*		Kerang-Kerangan *Shellfish*		Jumlah *Total*	
	Tan metrik *Tonnes*	RM	Tan metrik *Tonnes*	RM	Tan metrik *Tonnes*	RM	Tan metrik *Tonnes*	RM	Tan metrik *Tonnes*	RM	Tan metrik *Tonnes*	RM	Tan.metrik *Tonnes*	RM
Pantai Barat/*West Coast*														
Perlis	371	3,445,219	209	907,173	34,081	78,777,770	1,268	11,643,140	12,861	2,186,542	0	0	48,790	96,959,844
Kedah	1,540	31,437,776	377	1,751,700	48,099	157,808,676	5,761	90,684,432	14,867	8,179,655	1,573	4,130,966	72,217	293,993,205
Pulau-Pinang	786	16,660,042	194	1,421,399	15,752	60,641,042	2,535	57,686,887	15,392	7,470,624	410	1,355,723	35,069	145,235,717
Perak	4,607	80,157,437	4,669	35,566,052	89,654	377,865,373	23,099	228,369,733	78,962	31,584,707	722	1,375,408	201,713	754,918,710
Selangor	4,791	80,292,063	2,558	20,082,819	33,431	88,149,912	14,038	174,526,512	61,935	19,023,567	278	295,084	117,031	382,369,957
Negeri-Sembilan	103	1,667,837	27	314,836	132	343,407	55	1,482,090	0	0	0	0	317	3,808,170
Melaka	506	9,202,102	1	5,942	1,103	3,643,995	216	4,181,798	0	0	27	86,529	1,853	17,120,366
Johor Barat/*West Johor*	1,762	26,217,067	362	3,526,898	4,177	20,339,835	2,352	36,908,886	3,383	1,385,993	0	0	12,036	88,378,679
Jumlah Kecil/*Sub.Total*	14,466	249,079,543	8,397	63,576,819	226,429	787,570,010	49,324	605,483,478	187,400	69,831,088	3,010	7,243,710	489,026	1,782,784,648
Pantai Timur/*East Coast*														
Kelantan	386	3,477,394	638	3,043,280	59,940	184,544,664	396	5,260,023	7,860	1,487,908	0	0	69,220	197,813,269
Terengganu	3,669	49,056,580	2,536	21,705,030	97,613	350,724,994	987	18,641,920	2,472	779,638	0	0	107,277	440,908,162
Pahang	2,796	34,699,325	1,777	13,069,110	88,868	311,955,278	1,769	23,795,877	54,771	10,953,955	9	7,315	149,990	394,480,860
Johor Timur/*East Johor*	1,560	23,003,747	1,076	10,017,318	31,213	122,470,015	2,480	32,004,948	35,359	6,011,407	0	0	71,688	193,507,435
Jumlah Kecil/*Sub.Total*	8,411	110,237,046	6,027	47,834,738	277,634	969,694,951	5,632	79,702,768	100,462	19,232,908	9	7,315	398,175	1,226,709,726
Sem. Malaysia/ Jumlah/*Total*	22,877	359,316,589	14,424	111,411,557	504,063	1,757,264,961	54,956	685,186,246	287,862	89,063,996	3,019	7,251,025	887,201	3,009,494,374
Sarawak	7,453	77,660,303	7,746	51,713,134	89,839	268,786,185	12,221	79,532,548	39,447	5,677,118	2	6,259	156,708	483,375,547
Sabah	14,570	135,501,000	13,394	57,996,020	119,954	330,558,564	9,779	105,104,692	19,421	2,175,152	928	3,607,136	178,046	634,942,564
W.Persekutuan Labuan/ *Labuan F.Territory*	602	3,666,180	690	3,872,280	6,657	25,028,010	509	5,654,990	876	78,844	0	0	9,334	38,300,304
Jumlah Kecil/*Sub.Total*	22,625	216,827,483	21,830	113,581,434	216,450	624,372,759	22,509	190,292,230	59,744	7,931,114	930	3,613,395	344,088	1,156,618,415
Jumlah Besar/ *Grand Total*	45,502	576,144,072	36,254	224,992,991	720,513	2,381,637,720	77,465	875,478,476	347,606	96,995,110	3,949	10,864,420	1,231,289	4,166,112,789

NOTA/***NOTE***

Gred 1 - **Bawal Tambak, Bawal Putih, Bawal Hitam,Bawal Selatan, Senangin/Kurau/Senohong, Tenggiri, Parang, Kerapu, dan Jenahak.**

(Gred 1) - *Chinese Pomfret, Silver Pomfret, Black Pomfret, Small Pomfret, Threadfin, Spanish Mackerel, Wolf Herring, Grouper and Mangrove Snapper*

(Gred 11) - **Terubuk, Puput/Beliak Mata/Tirok, Merah, Kaci, Cermin/Sagai/Cupak, Demuduk/Rambai dan Siakap.**

(Grade 11) - *Longtail Shad, Shads/Slender Shads, Red Snapper, Sweetlip, Horse Mackeral and Giant Sea Perch.*

(Gred 111) - **Ikan-ikan lain termasuk Ikan Bilis, Sotong, Ketam, Udang Karang dan Ubur-ubur**

(Gred 111) - *Other Species Include Anchovy, Squids, Crabs, Lobster and Jellyfish.*

MALAYSIA **Jadual *(Table)* 7.2**

NILAI HARGA RUNCIT PENDARATAN IKAN LAUT, 2001

RETAIL VALUE OF MARINE FISH LANDING, 2001

Negeri/*State*	**Gred 1** *Grade1*		**Gred 11** *Grade11*		**Gred 111** *Grade111*		**Udang** *Prawn*		**Ikan Baja** *Trash Fish*		**Kerang-Kerangan** *Shellfish*		**Jumlah** *Total*	
	Tan Metrik *Tonnes*	RM	Tan Metrik *Tonnes*	RM	Tan Metrik *Tonnes*	RM	Tan Metrik *Tonnes*	RM	Tan Metrik *Tonnes*	RM	Tan Metrik *Tonnes*	RM	Tan Metrik *Tonnes*	RM
Pantai Barat/*West Coast*														
Perlis	371	5,015,113	209	1,390,254	34,081	132,203,548	1,268	15,285,081	12,861	4,438,383	0	0	48,790	158,332,379
Kedah	1,540	36,084,071	377	2,237,675	48,099	213,071,831	5,761	105,725,538	14,867	9,532,453	1,573	5,501,627	72,217	372,153,195
Pulau-Pinang	786	18,627,558	194	1,697,112	15,752	79,255,958	2,535	63,327,991	15,392	8,062,770	410	1,630,641	35,069	172,602,030
Perak	4,607	95,181,145	4,669	42,956,291	89,654	488,491,648	23,099	285,729,411	78,962	43,428,971	722	1,883,985	201,713	957,671,451
Selangor	4,791	95,207,802	2,558	24,606,943	33,431	136,195,540	14,038	211,710,050	61,935	28,601,761	278	509,368	117,031	496,831,464
Negeri-Sembilan	103	1,850,121	27	365,902	132	472,405	55	1,721,182	0	0	0	0	317	4,409,610
Melaka	506	9,945,117	1	6,482	1,103	4,312,951	216	4,533,019	0	0	27	100,457	1,853	18,898,026
Johor Barat/*West Johor*	1,762	32,966,172	362	4,501,374	4,177	27,036,737	2,352	44,864,083	3,383	1,385,993	0	0	12,036	110,754,359
Jumlah Kecil/*Sub.Total*	14,466	294,877,099	8,397	77,762,033	226,429	1,081,040,618	49,324	732,896,355	187,400	95,450,331	3,010	9,626,078	489,026	2,291,652,514
Pantai Timur/*East Coast*														
Kelantan	386	4,002,524	638	3,794,538	59,940	246,268,397	396	5,931,168	7,860	2,756,449	0	0	69,220	262,753,076
Terengganu	3,669	54,857,787	2,536	25,062,425	97,613	443,490,451	987	21,506,095	2,472	1,020,043	0	0	107,277	545,936,801
Pahang	2,796	41,916,997	1,777	16,949,481	88,868	434,598,754	1,769	28,123,220	54,771	10,953,955	9	13,715	149,990	532,556,122
Johor Timur/*East Johor*	1,560	26,981,713	1,076	12,271,946	31,213	165,575,187	2,480	38,511,925	35,359	6,011,407	0	0	71,688	249,352,178
Jumlah Kecil/*Sub.Total*	8,411	127,759,021	6,027	58,078,390	277,634	1,289,932,789	5,632	94,072,408	100,462	20,741,854	9	13,715	398,175	1,590,598,177
Sem.Malaysia/ Jumlah/*Total*	22,877	422,636,120	14,424	135,840,423	504,063	2,370,973,407	54,956	826,968,763	287,862	116,192,185	3,019	9,639,793	887,201	3,882,250,691
Sarawak	7,453	99,307,102	7,746	70,601,500	89,839	431,003,309	12,221	111,181,499	39,447	11,479,448	2	9,040	156,708	723,581,898
Sabah	14,570	179,735,520	13,394	75,716,282	119,954	466,119,228	9,779	121,523,633	19,421	6,447,772	928	4,330,048	178,046	853,872,483
W.Persekutuan Labuan/ *Labuan F.Territory*	602	9,643,438	690	9,871,830	6,657	61,116,483	509	8,139,419	876	105,126	0	0	9,334	88,876,296
Jumlah Kecil/*Sub.Total*	22,625	288,686,060	21,830	156,189,612	216,450	958,239,020	22,509	240,844,551	59,744	18,032,346	930	4,339,088	344,088	1,666,330,677
Jumlah Besar/ *GrandTotal*	45,502	711,322,180	36,254	292,030,035	720,513	3,329,212,427	77,465	1,067,813,314	347,606	134,224,531	3,949	13,978,881	1231289	5,548,581,368

NOTA/***NOTE***

Gred 1 - **Bawal Tambak, Bawal Putih, Bawal Hitam, Bawal Selatan, Senangin/Kurau/Senohong, Tenggiri, Parang, Kerapu, dan Jenahak.**

(Gred 1) - *Chinese Pomfret, Silver Pomfret, Black Pomfret, Small Pomfret, Threadfin, Spanish Mackerel, Wolf Herring, Grouper and Mangrove Snapper*

(Gred 11) - **Terubuk, Puput/Beliak Mata/Tirok, Merah, Kaci, Cermin/Sagai/Cupak, Demuduk/Rambai dan Siakap.**

(Grade 11) - *Longtail Shad, Shads/Slender Shads, Red Snapper, Sweetlip, Horse Mackeral and Giant Sea Perch.*

(Gred 111) - **Ikan- Ikan lain termasuk Ikan Bilis, Sotong, Ketam, Udang Karang dan Ubur-ubur**

(Gred 111) - *Other Species Include Anchovy, Squids, Crabs, Lobster and Jellyfish.*

SEMENANJUNG MALAYSIA */PENINSULAR MALAYSIA*

NILAI PENDARATAN IKAN LAUT MENGIKUT KUMPULAN PERKAKAS DAN GRED IKAN, 2001

VALUE OF MARINE FISH LANDINGS BY GEAR GROUP AND GRADE OF FISH, 2001

Pendaratan dan Nilai *Landings and Values*		Pukat Tunda Trawl Nets	Pukat Jerut Ikan Fish Purse Seines	Pukat Jerut Bilis Anchovy Purse Seines	Pukat Tarik Lain Other Seines	Pukat Hanyut *Drift/Gill Nets*	Pukat Tangguk *Lift Nets*	Belat *Stationary Traps*	Bubu *Portable Traps*	Pancing Hook & Line	Pukat Bakul Bag *Nets*	Pukat Rentang Barrire Nets	Pukat Surung Push/Scoop Net	Memungut Siput Shellfish Collection	Rampaian *Miscellaneous*	Jumlah Total
Gred 1 *(Gred 1)*	*Tonnes*	10,503	1,428	4	327	6,507	0	99	1,418	2,523	17	18	33	0	0	22,877
	N.B.RM	164,964,919	22,428,818	62,825	5,136,010	102,201,902	0	1,554,939	22,271,753	39,627,385	267,009	282,716	518,313	0	0	359,316,589
	N.R.RM	194,035,372	26,381,273	73,897	6,041,089	120,212,146	0	1,828,953	26,196,530	46,610,610	314,062	332,537	609,651	0	0	422,636,120
Gred 11 *(Gred11)*	*Tonnes*	6,594	1,016	11	501	3,453	4	7	872	1,946	0	18	2	0	0	14,424
	N.B.RM	50,932,328	7,847,624	84,964	3,869,744	26,671,110	30,896	54,068	6,735,362	15,030,981	0	139,032	15,448	0	0	111,411,557
	N.R.RM	62,100,095	9,568,349	103,594	4,718,251	32,519,204	37,670	65,923	8,212,205	18,326,779	0	169,518	18,835	0	0	135,840,423
Gred 111 *(Gred 111)*	*Tonnes*	179,291	196,858	12,471	2,719	69,698	7,693	419	10,847	14,901	7,053	914	747	0	452	504,063
	N.B.RM	625,044,495	686,316,556	43,476,412	9,478,980	242,981,237	26,819,344	1,460,718	37,814,822	51,947,881	24,558,175	3,186,387	2,604,192	0	1,575,762	1,757,264,961
	N.R.RM	843,335,561	925,965,699	58,660,142	12,789,425	327,840,155	36,185,748	1,970,860	51,021,294	70,090,191	33,175,365	4,299,203	3,513,681	0	2,126,083	2,370,973,407
Udang *(Prawn)*	*Tonnes*	25,124	355	0	7,217	8,004	0	501	0	0	8,587	263	4,883	0	22	54,956
	N.B.RM	313,055,017	4,429,871	0	90,057,413	99,790,652	0	6,251,734	0	0	107,152,973	3,241,490	60,932,569	0	274,527	685,186,246
	N.R.RM	377,844,543	5,346,386	0	108,689,773	120,436,763	0	7,545,181	0	0	129,322,306	3,913,320	73,539,166	0	331,325	826,968,763
Ikan Baja *(Manure Fish)*	*Tonnes*	258,861	4,355	723	15,398	1,266	0	0	0	5	3,170	1,094	2,990	0	0	287,862
	N.B.RM	80,097,337	1,341,240	223,694	4,764,110	391,697	0	0	0	1,546	980,791	338,481	925,100	0	0	89,063,996
	N.R.RM	102,470,112	1,757,843	291,830	6,215,217	511,005	0	0	0	2,018,190	1,279,532	441,579	1,206,877	0	0	116,192,185
Kerang Kerangan *(Shellfish)*	*Tonnes*	0	0	0	0	0	0	0	0	0	0	0	0	3,019	0	3,019
	N.B.RM	0	0	0	0	0	0	0	0	0	0	0	0	7,251,025	0	7,251,025
	N.R.RM	0	0	0	0	0	0	0	0	0	0	0	0	9,639,793	0	9,639,793
Jumlah *Total*	*Tonnes*	480,373	204,012	13,209	26,162	88,928	7,697	1,026	13,137	19,375	18,827	2,307	8,655	3,019	474	887,201
	N.B.RM	1,234,094,096	722,364,109	43,847,895	113,306,257	472,036,598	26,850,240	9,321,459	66,821,937	106,607,793	132,958,948	7,188,106	64,995,622	7,251,025	1,850,289	3,009,494,374
	N.R.RM	1,579,785,683	969,019,550	59,129,463	138,453,755	601,519,273	36,223,418	11,410,917	85,430,029	137,045,770	164,091,265	9,156,157	78,888,210	9,639,793	2,457,408	3,882,250,691

Nota/*Note*

Gred 1 - **Bawal Tambak, Bawal Putih, Bawal Hitam,Bawal Selatan, Senangin/Kurau/Senohong, Tenggiri, Parang, Kerapu, dan Jenahak.**

(Gred 1) - *Chinese Pomfret, Silver Pomfret, Black Pomfret, Small Pomfret, Threadfin, Spanish Mackerel, Wolf Herring, Grouper and Mangrove Snapper*

Gred 11 - **Terubuk, Puput/Beliak Mata/Tirok, Merah, Kaci, Cermin/Sagai/Cupak, Demuduk/Rambai dan Siakap.**

(Grade 11) - *Longtail Shad, Shads/Slender Shads, Red Snapper, Sweetlip, Horse Mackeral and Giant Sea Perch.*

Gred 111 - **Ikan-ikan lain termasuk Ikan Bilis, Sotong, Ketam, Udang Karang dan Ubur-ubur**

(Gred 111) - *Other Species include Anchovy, Squids, Crabs, Lobster and Jellyfish.*

N.B.RM - Nilai Borong Dalam Ringgit Malaysia/*Wholesale Value In Ringgit Malaysia*

N.R.RM - Nilai Runcit Dalam Ringgit Malaysia/*Retail Value In Ringgit Malaysia*

Jadual *(Table)* 8.1

MALAYSIA

SIRI TAHUNAN PENDARATAN IKAN LAUT DAN NILAI TAHUN 1997-2001

ANNUAL SERIES OF MARINE FISH LANDINGS AND VALUE, 1997-2001

Negeri/*State*	1997		1998		1999		2000		2001	
	Tan metrik *Tonnes*	RM	Tan metrik *Tonnes*	RM	Tan metrik *Tonnes*	RM	Tan metrik *Tonnes*	RM	Tan metrik *Tonnes*	RM
Pantai Barat/*West Coast*										
Perlis	54,273	157,140,411	73,781	155,045,472	85,089	155,433,358	57,168	101,536,420	48,790	96,959,844
Kedah	87,863	341,785,473	93,361	355,487,585	85,229	344,903,665	76,735	319,220,708	72,217	293,993,205
Pulau-Pinang	37,532	158,833,466	35,476	189,177,487	34,789	137,640,518	35,895	148,266,950	35,069	145,235,717
Perak	201,212	668,933,588	213,984	616,714,466	171,344	616,417,179	215,272	868,941,401	201,713	754,918,710
Selangor	118,408	321,944,429	117,663	357,985,412	108,963	353,609,727	135,864	406,533,830	117,031	382,369,957
Negeri-Sembilan	377	3,678,568	376	3,811,342	327	3,277,233	326	4,011,071	317	3,808,170
Melaka	1,750	14,954,187	1,895	16,300,799	1,891	17,895,690	1,858	18,493,997	1,853	17,120,366
Johor Barat/*West Johor*	14,014	82,828,973	14,646	82,765,361	12,449	84,273,462	12,000	43,955,143	12,036	88,378,679
Jumlah Kecil/*Sub.Total*	515,429	1,750,099,095	551,182	1,777,287,924	500,081	1,713,450,832	535,118	1,910,959,520	489,026	1,782,784,648
Pantai Timur/*East Coast*										
Kelantan	34,136	77,936,565	41,546	108,574,267	50,687	127,124,213	60,917	162,216,042	69,220	197,813,269
Terengganu	139,581	471,382,230	143,694	514,070,864	160,900	634,843,986	120,615	480,387,195	107,277	440,908,162
Pahang	91,175	171,984,744	108,961	230,237,113	126,831	290,601,573	145,828	377,058,595	149,990	394,480,860
Johor Timur/*East Johor*	57,253	124,592,372	56,550	131,077,354	64,783	166,493,173	71,415	209,140,303	71,688	193,507,435
Jumlah Kecil/*Sub.Total*	322,145	845,895,911	350,751	983,959,598	403,201	1,219,062,945	398,775	1,228,802,135	398,175	1,226,709,726
Sem.Malaysia/ Jumlah/*Total*	837,574	2,595,995,006	901,933	2,761,247,522	903,282	2,932,513,777	933,893	3,139,761,655	887,201	3,009,494,374
Sarawak	128,193	408,050,416	103,213	338,612,446	121,914	452,313,417	134,932	478,000,557	156,708	483,375,547
Sabah	174,265	569,163,500	196,227	660,078,990	207,213	698,314,950	202,857	729,547,000	178,046	634,942,564
W.Persekutuan Labuan	28,941	102,022,244	13,833	57,284,249	15,993	60,132,178	14,014	51,929,758	9,334	38,300,304
Jumlah Kecil/*Sub.Total*	331,399	1,079,236,160	313,273	1,055,975,685	345,120	1,210,760,545	351,803	1,259,477,315	344,088	1,156,618,415
Jumlah Besar/ *Grand.Total*	1,168,973	3,675,231,166	1,215,206	3,817,223,207	1,248,402	4,143,274,322	1,285,696	4,399,238,970	1,231,289	4,166,112,789

NOTA/*NOTE*

Gred 1 - **Bawal Tambak, Bawal Putih, Bawal Hitam, Bawal Selatan, Senangin/Kurau/Senohong, Tenggiri, Parang, Kerapu, dan Jenahak.**

(Gred 1) - *Chinese Pomfret, Silver Pomfret, Black pomfret, Small Pomfret, Threadfin, Spanish Mackerel, Wolf Herring, Grouper and Mangrove Snapper*

Gred 11 - **Terubuk, Puput/Beliak Mata/Tirok, Merah, Kaci, Cermin/Sagai/Cupak, Demuduk/Rambai dan Siakap.**

(Grade 11) - *Longtail Shad, Shads/Slender Shads, Red Snapper, Sweetlip, Horse Mackeral and Giant Sea Perch.*

Gred 111 - **Lain-Lain Ikan Termasuk Ikan Bilis, Sotong, Ketam dan Ubor-ubor.**

(Gred 111) - *Other Species Include Anchovy, Squids, Crabs and Jellyfish.*

Jadual *(Table)* 9.1

MALAYSIA

KUANTITI DAN PERATUS PENDARATAN SERTA NILAI IKAN LAUT MENGIKUT NEGERI, 2001

QUANTITY AND PERCENTAGE OF LANDINGS AND VALUES OF MARINE FISH BY STATE, 2001

Negeri *State*	Kuantiti Pendaratan Dalam Tan/Metrik *Quantity Of Landings (Tonnes)*	Peratus/ *Percentage* %	Nilai Dalam Ringgit *Values In Ringgit*	Peratus/ *Percentage* %
Pantai Barat *(West Coast)*				
Perlis	48,790	3.96	96,959,844	2.33
Kedah	72,217	5.87	293,993,205	7.06
Pulau Pinang	35,069	2.85	145,235,717	3.49
Perak	201,713	16.38	754,918,710	18.12
Selangor	117,031	9.50	382,369,957	9.18
Negeri Sembilan	317	0.03	3,808,170	0.09
Melaka	1,853	0.15	17,120,366	0.41
Johor Barat *(West Johor)*	12,036	0.98	88,378,679	2.12
Jumlah Kecil/*Sub.Total*	**489,026**	**39.72**	**1,782,784,648**	**42.80**
Pantai Timur/*East Coast*				
Kelantan	69,220	5.62	197,813,269	4.75
Terengganu	107,277	8.71	440,908,162	10.58
Pahang	149,990	12.18	394,480,860	9.47
Johor Timur *(East Johor)*	71,688	5.82	193,507,435	4.64
Jumlah Kecil/*Sub.Total*	**398,175**	**32.33**	**1,226,709,726**	**29.44**
Sarawak	156,708	12.73	483,375,547	11.60
Sabah	178,046	14.46	634,942,564	15.24
W.Persekutuan Labuan	9,334	0.76	38,300,304	0.92
Jumlah Kecil/*Sub.Total*	**344,088**	**27.95**	**1,156,618,415**	**27.76**
Jumlah Besar/*Grand Total*	**1,231,289**	**100**	**4,166,112,789**	**100**

SEMENANJUNG MALAYSIA / PENINSULAR MALAYSIA
PENGGUNAAN PENDARATAN IKAN LAUT, 2001
DISPOSITION OF MARINE FISH LANDINGS, 2001

Jadual *(Table)* **10.1**

Aliran Penggunaan *Disposition Channel*	Pantai Barat / *West Coast*								Jumlah Kecil *Sub-Total*	Pantai Timur / *East Coast*				Jumlah Kecil *Sub-Total*	Jumlah Besar *Grand-Total*
	Perlis	Kedah	P.Pinang	Perak	Selangor	Negeri Sembilan	Melaka	Johor Barat *West Johor*		Kelantan	Terengganu	Pahang	Johor Timur *East Johor*		
Digunakan secara hidup *Disposed alive*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Digunakan secara basah *Disposed fresh*	48,623	38,031	33,903	98,856	41,567	317	1,541	7,884	270,722	62,814	85,825	134,686	32,299	315,624	586,346
Disejuk bekukan *Disposed for freezing*	0	1,845	0	3,515	0	0	0	0	5,360	0	0	0	0	0	5,360
Ditinkan *Disposed for canning*	Na	Na	Na	Na	Na	Na	Na	Na	Na	Na	Na	Na	Na	Na	Na
Diawetkan: *Disposed for curing:*															
Kering/Masin/Salai *Dried/Salted/Smoked*	56	14,328	636	4,997	7,457	0	81	81	27,636	3,493	3,244	709	0	7,446	35,082
Kukus/Rebus *Steamed/Boiled*	0	0	0	2,413	0	0	0	0	2,413	0	0	0	0	0	2,413
Jeruk *Fermented*	88	722	519	3,169	3,135	0	231	552	8,416	2,077	109	0	618	2,804	11,220
Pelbagai *Others*	23	1,829	0	10,472	3,452	0	0	3,519	19,295	836	18,099	4,786	619	24,340	43,635
Digunakan untuk tepung ikan *Disposed for reduction*	0	15,320	7	59,192	61,379	0	0	0	135,898	0	0	9,809	38,152	47,961	183,859
Untuk kegunaan pelbagai *Disposed for others*	0	142	4	19,099	41	0	0	0	4,077	0	0	0	0	0	4,077
Jumlah (Tan Metrik) *Total (Tonnes)*	48,790	72,217	35,069	201,713	117,031	317	1,853	12,036	489,026	69,220	107,277	149,990	71,688	398,175	887,201

Na: Tiada maklumat
No information available

SEMENANJUNG MALAYSIA / PENINSULAR MALAYSIA

HASIL LAUT YANG DIAWETKAN, 2001

PROCESSED MARINE FISH PRODUCTS, 2001

(Timbangan dalam Tan Metrik / Weight in Tonnes)

Jadual *(Table)* **10.2**

Negeri *State*	Ikan Masin/ Ikan Kering *Salted/Dried Fish*	Bilis Kering *Dried Anchovies*	Udang Kering *Dried Prawn*	Sotong Kering *Dried Squid*	Ubur-Ubur *(Dried Jelly Fish)*	Lala Kering *Dried Shell-fish*	Ikan Salai *Smoked Fish*	Ikan Baja *Fish Manure*	Tepung Ikan *Fish Meal*	Otak Udang *Prawn/ Cuttle Paste*	Belacan *Shrimp Paste*	Cincalok *Pickled Prawn*	Budu *Fermented Anchovies*	Bebola Ikan *Fish Ball*	Bebola Sotong *Squid Ball*	Bebola Udang *Prawn Ball*	Kek Ikan *Fish Cake*	Otak-Otak *Fish Paste*	Surimi *Surimi*	Keropok *Crakers*		Satay Ikan *Satay Fish*	Sotong Beku *Frozen Squid*	Udang/ Kupang *Frozen Prawn/ Mussels*	Ikan Rebus *Boiled Fish*	JUMLAH *Total*
																				Ikan *Fish*	Udang/ Sotong *Prawn/ Squid*					
Pantai Barat *West Coast*																										
Perlis	30.85	0.00	1.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.15	0.00	0.00	12.95	0.00	0.00	0.00	0.00	0.00	1.20	0.00	0.00	0.00	0.00	0.00	74.35
Kedah	229.00	3,486.50	0.00	0.00	0.00	0.00	0.00	85.50	3,830.00	3.00	221.32	0.00	0.00	1,015.00	0.00	0.00	0.00	0.00	1,107.00	72.00	17.50	0.00	0.00	0.00	0.00	10,066.82
Pulau Pinang	172.40	0.00	87.11	0.00	0.00	0.00	0.00	2.30	1.75	14.98	118.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	396.54
Perak	1,312.79	246.05	209.29	0.00	98.78	0.00	0.00	11,459.98	14,797.94	0.00	1,013.96	0.00	0.00	4,650.07	0.00	0.00	0.00	0.00	0.00	64.84	0.00	1,573.50	961.38	456.45	1,930.67	38,775.68
Selangor	790.27	0.00	43.77	28.64	529.06	55.93	0.00	24.55	15,344.71	0.00	1,003.27	0.00	0.00	2,071.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	19,891.38
N. Sembilan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Melaka	48.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	36.50	35.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	120.00
Johor Barat/ *West Johor*	23.08	0.00	5.39	0.00	2.13	0.00	0.00	0.00	0.00	0.00	156.30	19.00	0.00	585.30	254.00	117.50	742.45	204.90	0.00	212.10	34.30	0.00	224.00	467.00	0.00	3,027.43
Jum.Kecil *Sub-Total*	**2,606.87**	**3,732.55**	**346.76**	**28.64**	**629.95**	**55.93**	**0.00**	**11,572.33**	**33,974.40**	**17.98**	**2,577.50**	**54.00**	**0.00**	**8,314.50**	**254.00**	**117.50**	**742.45**	**204.90**	**1,107.00**	**350.14**	**51.80**	**1,573.50**	**1,185.38**	**923.45**	**1,930.67**	**72,352.20**
Pantai Timur *East Coast*																										
Kelantan	1,016.00	450.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	623.00	133.00	0.00	0.00	0.00	0.00	0.00	399.50	0.00	0.00	0.00	0.00	0.00	2,621.50
Terengganu	863.86	148.83	0.00	284.23	0.00	0.00	21.50	0.00	0.00	0.00	7.35	0.00	25.90	113.67	0.00	0.00	71.89	0.00	0.00	11,563.12	0.00	0.00	0.00	0.00	0.00	13,100.35
Pahang	99.73	135.58	0.00	0.00	0.00	0.00	0.00	0.00	2,452.17	0.00	0.00	0.00	0.00	150.25	0.00	0.00	151.89	0.00	0.00	2,783.68	0.00	0.00	0.00	0.00	0.00	5,773.30
Johor Timur *East Johor*	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9,537.98	0.00	197.70	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	402.44	0.00	0.00	0.00	0.00	0.00	10,138.12
Jum Kecil *Sub-Total*	**1,979.59**	**734.41**	**0.00**	**284.23**	**0.00**	**0.00**	**21.50**	**0.00**	**11,990.15**	**0.00**	**205.05**	**0.00**	**648.90**	**396.92**	**0.00**	**0.00**	**223.78**	**0.00**	**0.00**	**15,148.74**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**31,633.27**
Jumlah Besar *Grand-Total*	**4,586.46**	**4,466.96**	**346.76**	**312.87**	**629.95**	**55.93**	**21.50**	**11,572.33**	**45,964.55**	**17.98**	**2,782.55**	**54.00**	**648.90**	**8,711.42**	**254.00**	**117.50**	**966.23**	**204.90**	**1,107.00**	**15,498.88**	**51.80**	**1,573.50**	**1,185.38**	**923.45**	**1,930.67**	**103,985.47**

Nota : Tiada hasil awet bagi ikan beku.

Note: (No production of processed marine fish products or frozen fish)

Jadual (*Table*) **11.1**

MALAYSIA

KILANG AIR BATU DAN KEMUDAHAN PENYEJUKAN, 2001

ICE FACTORIES AND REFRIGERATION FACILITIES, 2001

(Kuantiti Dalam Tan Metrik / *Quantity in Tonnes*)

Negeri *State*	Bilangan Kilang Air Batu *(No. of ice factories)*	Daya Pengeluaran Harian *(Daily Production Capacity)*					Kemudahan Menyimpan *(Storage Capacity)*		
		Kuantiti (Tan Metrik) *Quantity (Tonnes)*	Purata Harga Seblok (RM) *Average Price / Block (RM)*				Bilangan Bilik Sejuk *(No. of cold rooms)*	Kuantiti / Quantity *(Tan Metrik / Tonnes)*	
			0-50kg	51-100kg	101-150kg	151-200kg		Ais *(Ice)*	Ikan *(Fish)*
Perlis	1	70	-	5.50	8.30	-	12	50	339
Kedah	3	450	-	7.00	8.30	-	41	526	585
P. Pinang	5	693	-	-	9.00	-	118	1,114	11,623
Perak	7	305	-	8.00	6.80-7.70	14.00	78	1,838	1,006
Selangor	2	400	-	32.00	-	-	72	563	277
Melaka	2	112	2.00-3.00	-	-	-	27	65	800
Negeri Sembilan	-	-	-	-	-	-	-	-	-
Johor Barat / *West Johor*	6	332	3.00	6.00	6.00-24.00	-	13	185	64
Johor Timur / *East Johor*	6	177	3.00-5.00	7.00-10.00	-	-	15	301	14
Kelantan	9	376	0.40-7.00	8.00	8.00-9.00	-	23	85	415
Terengganu	6	456	-	6.00	7.00	10.00	41	742	692
Pahang	15	469	-	7.00-7.50	8.50-9.50	-	41	322	135
Sarawak	48	701	0.80-7.00	3.60-11.00	-	-	182	2,136	6,101
Sabah	60	679	5.00	7.00	10.00	-	123	1,566	3,062
W.P.Labuan/*Labuan Fed.Territory*	4	42	3.30-4.00	-	-	9.90	10	84	530
Jumlah / *Total*	**174**	**5,262**					**796**	**9,577**	**25,643**

Jadual (*Table*) 12.1

SEMENANJUNG MALAYSIA/PENINSULAR MALAYSIA
HASIL PERIKANAN, 2001
FISHERIES REVENUE, 2001
***(HASIL DALAM RM** /REVENUE IN RM)*

Jenis Hasil *Type Of Revenue*	Hasil Negeri *State Revenue*					Hasil Persekutuan *Federal Revenue*							Jumlah *Grand Total*
						Hasil Jualan							
Negeri *State*	Lesen *License*		Patil Perahu *Boat No. Plate*	Sistem Kultur Laut *Marine Culture System*	Jumlah Kecil *Sub-Total*	Benih Ikan *Fry Fish*	Patil *Tin Plate*	Lelong Ikan *Fish Auction*	Buku Log *Log Book*	Kompaun/ Denda *Compound/ Fine*	Jualan Pelbagai *Contoh Kad Nelayan dll Miscellaneous*	Jumlah Kecil *Sub-Total*	
	Perahu *Vessel*	Alat Menangkap Ikan *Fishing Appliances*											
Perlis	33,276.00	208,566.00	2,840.00	0.00	244,682.00	0.00	0.00	978.60	0.00	0.00	30.80	1,009.40	245,691.40
Kedah	47,310.50	279,878.00	6,220.00	0.00	333,408.50	4,054.00	402.80	14,393.00	0.00	206,600.00	29,678.60	255,128.40	588,536.90
P.Pinang	23,880.50	45,389.00	5,725.00	7,275.00	82,269.50	0.00	0.00	2,747.00	0.00	85,200.00	4,999.40	92,946.40	175,215.90
Perak	210,035.00	457,420.00	20,130.00	11,946.00	699,531.00	41,144.00	2,392.80	10,766.70	0.00	148,700.00	578.20	203,581.70	903,112.70
Selangor	92,989.00	113,595.00	10,920.00	4,705.00	222,209.00	0.00	6,862.60	34,968.00	0.00	138,700.00	878.60	181,409.20	403,618.20
N. Sembilan	1,214.50	796.00	1,495.00	35.00	3,540.50	0.00	0.00	0.00	0.00	0.00	21.00	21.00	3,561.50
Melaka	2,754.50	2,318.00	4,315.00	540.00	9,927.50	0.00	0.00	0.00	0.00	0.00	380.80	380.80	10,308.30
Kelantan	31,906.50	566,708.00	4,470.00	1,220.00	604,304.50	200.00	1,506.60	10,125.00	0.00	14,800.00	3,721.10	30,352.70	634,657.20
Terengganu	46,589.00	295,260.00	11,080.00	0.00	352,929.00	6,400.00	589.20	160,596.00	0.00	32,200.00	9,942.40	209,727.60	562,656.60
Pahang	66,388.00	336,739.00	5,037.00	5,200.00	413,364.00	0.00	302.90	6,380.00	0.00	70,650.00	2,066.00	79,398.90	492,762.90
Johor	84,136.00	180,859.00	19,630.00	10,450.00	295,075.00	0.00	0.00	9,068.00	0.00	50,300.00	6,569.40	65,937.40	361,012.40
Jumlah Besar *Grand Total*	**640,479.50**	**2,487,528.00**	**91,862.00**	**41,371.00**	**3,261,240.50**	**51,798.00**	**12,056.90**	**250,022.30**	**0.00**	**747,150.00**	**58,866.30**	**1,119,893.50**	**4,381,134.00**

Jadual *(Table)* **12.2**

MALAYSIA
BILANGAN DAN PENGELUARAN KILANG "FEEDMILL"
MENGIKUT NEGERI, 2001
NUMBER AND PRODUCTION OF FEEDMILLS
BY STATE, 2001

Negeri *State*	**Bilangan** *Number*	**Pengeluaran (Tan metrik)** *Production (Tonnes)*
Perlis	0	0.00
Kedah	5	5,400.00
Pulau Pinang	0	0.00
Perak	6	19,672.00
Selangor	0	0.00
Negeri Sembilan	0	0.00
Melaka	1	1,200.00
Johor	3	10,138.12
Pahang	2	1,920.00
Terengganu	0	0.00
Kelantan	0	0.00
Sarawak	3	5,175.00
Sabah	8	19,223.88
Jumlah*/Total*	28	62,729.00

AKUAKULTUR

AQUACULTURE

Jadual *(Table)* 13.1

MALAYSIA

ANGGARAN BILANGAN DAN LUAS KOLAM DAN SANGKAR AIR TAWAR,BEKAS LOMBONG ,TANGKI SIMEN DAN KANDANG SERTA BILANGAN PENTERNAK MENGIKUT SISTEM TERNAKAN DAN NEGERI, 2001

ESTIMATED NUMBER AND AREA OF FRESHWATER PONDS AND CAGES, EX-MINING POOLS, CEMENT TANKS, PEN CULTURE AND NUMBER OF CULTURISTS BY CULTURE SYSTEM AND STATE, 2001

Negeri *State*	Kolam Air Tawar *Freshwater Ponds*			Sangkar Air Tawar *Freshwater Cages*			Bekas Lombong *Ex-Mining Ponds*			Tangki Simen *Cement Tanks*			Kandang Ikan *Pen Culture*			Jumlah penternak Air tawar *Total No.Of Freshwater Culturists*
	Bil *No*	Luas (Ha) *Area (Ha)*	Bil Penternak *No. Of Culturist*	Bil. *No.*	Luas (m^2) *Area (m^2)*	Bil. Penternak *No. Of Culturist*	Bil. *No.*	Luas (Ha) *Area (Ha)*	Bil. Penternak *No. Of Culturist*	Bil. *No.*	Luas (m^2) *Area (m^2)*	Bil. Penternak *No. Of Culturist*	Bil. *No.*	Luas (Ha) *Area (Ha)*	Bil. Penternak *No. Of Culturist*	
Perlis	169	26.98	112	628	19,098.00	5	0	0.00	0	9	345.00	3	0	0.00	0	**120**
Kedah	1,731	187.98	655	671	5,362.51	23	1	4.10	1	264	1,878.04	5	23	2.02	14	**698**
Pulau Pinang	239	30.30	68	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	**68**
Perak	2,502	696.82	1,078	594	9,400.00	45	251	1,082.35	151	40	11,500.00	12	122	13.43	94	**1,380**
Selangor	2,230	604.19	645	127	2,736.24	9	98	226.88	58	142	28,315.66	21	0	0.00	0	**733**
Negeri Sembilan	1,825	408.75	1,046	540	6,720.00	4	0	0.00	0	69	3,414.51	20	0	0.00	0	**1,070**
Melaka	495	104.01	292	366	4,912.64	2	0	0.00	0	9	1,212.32	4	0	0.00	0	**298**
Johor	2,200	301.73	407	182	1,935.40	9	0	0.00	0	139	3,236.70	28	0	0.00	0	**444**
Pahang	2,481	612.85	1,447	3,381	41,963.91	664	10	280.16	10	37	226.64	8	0	0.00	0	**2,129**
Terengganu	1,240	109.46	653	164	40,578.94	234	0	0.00	0	207	3,807.56	75	6	3.00	3	**965**
Kelantan	1,766	192.06	959	591	16,776.00	90	0	0.00	0	54	998.74	25	469	80.69	444	**1,518**
Sarawak	2,464	226.22	1,731	2,750	60,000.00	149	0	0.00	0	250	1,500.00	5	0	0.00	0	**1,885**
Sabah	17,071	1,516.88	5,694	208	2,433.50	17	0	0.00	0	509	24,720.75	127	0	0.00	0	**5,838**
Jumlah/*Total*	**36,413**	**5,018.23**	**14,787**	**10,202**	**211,917.14**	**1,251**	**360**	**1,593.49**	**220**	**1,729**	**81,155.92**	**333**	**620**	**99.14**	**555**	**17,146**

Jadual (Table) 13.2

ANGGARAN BILANGAN DAN LUAS KOLAM DAN SANGKAR AIR PAYAU/MASIN, KERANG, SIPUT SUDU, TIRAM DAN RUMPAI LAUT SERTA BILANGAN PENTERNAK MENGIKUT SISTEM TERNAKAN DAN NEGERI, 2001

ESTIMATED NUMBER AND AREA OF BRACKISHWATER/ MARINE PONDS AND CAGES, COCKLES, MUSSELS, OYSTERS AND SEAWEEDS AND NUMBER OF CULTURISTS BY CULTURE SYSTEM AND STATE, 2001

Negeri *State*	Kolam Air Payau Brackishwater *Ponds*			Sangkar Air Payau *Brackishwater Cages*			Kerang *Cockles*			Siput Sudu *Mussels*			Tiram *Oysters*			Rumpai Laut *Seaweeds*			Jumlah penternak Air payau *Total No. Of Brackish water Culturists*	Jumlah Penternak Akuakultur *Grand Total Aquaculture Culturists*
	Bil. *No.*	Luas (Ha) *Area (Ha)*	Bil. Pen-ternak *No. Of Cul-turist*	Bil. *No.*	Luas (m^2) *Area (m^2)*	Bil. Pen-ternak *No. Of Cul-turist*	Bil. *No.*	Luas (Ha) *Area (Ha)*	Bil. Pen-ternak *No. Of Cul-turist*	Bil. *No.*	Luas m^2) *Area (m^2)*	Bil. Pen-ternak *No. Of Cul-turist*	Bil. *No.*	Luas (m^2) *Area (m^2)*	Bil. Pen-ternak *No. Of Cul-turist*	Bil. *No.*	Luas (Ha) *Area (Ha)*	Bil. Pen-ternak *No. Of Cul-turist*		
Perlis	49	36.50	11	50	125.00	1	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	**12**	**132**
Kedah	980	703.16	152	3,611	42,083.98	119	5	84.01	5	18	1,500.03	5	24	2,458.32	2	0	0.00	0	**283**	**981**
Pulau Pinang	394	268.10	200	26,783	246,608.00	355	40	589.88	400	0	0.00	0	40	600.00	4	0	0.00	0	**959**	**1,027**
Perak	1,359	1,018.11	166	20,684	183,200.00	197	274	5,313.76	194	30	1,360.00	2	30	1,360.00	2	0	0.00	0	**561**	**1,941**
Selangor	848	434.44	155	6,812	114,984.05	37	25	654.07	25	0	0.00	0	0	0.00	0	0	0.00	0	**217**	**950**
Negeri Sembilan	102	81.65	5	15	140.00	1	0	0.00	0	20	3,967.61	20	0	0.00	0	0	0.00	0	**26**	**1,096**
Melaka	77	43.07	18	264	5,399.08	3	0	0.00	0	63	10,489.84	44	0	0.00	0	0	0.00	0	**65**	**383**
Johor	970	762.40	103	7,384	164,978.80	191	1	100.00	37	300	56,464.82	69	7	7,000.00	10	0	0.00	0	**410**	**854**
Pahang	564	1,027.17	18	153	5,345.00	19	1	8.00	12	0	0.00	0	0	0.00	0	0	0.00	0	**49**	**2,178**
Terengganu	275	73.51	62	1,113	17,524.52	82	0	0.00	0	0	0.00	0	81	19,549.32	24	0	0.00	0	**168**	**1,133**
Kelantan	106	40.18	46	1,191	39,793.86	181	0	0.00	0	0	0.00	0	33	2,004.10	11	0	0.00	0	**238**	**1,756**
Sarawak	1,559	961.39	150	671	6,197.52	261	0	0.00	0	0	0.00	0	0	0.00	0	0	0.00	0	**411**	**2,296**
Sabah	2,143	3,376.05	189	2,318	122,179.02	356		0.00	0	150	5,269.78	150	156	46,219.55	156	712	1,908.38	712	**1563**	**7,401**
Jumlah/*Total*	**9,426**	**8,825.73**	**1,275**	**71,049**	**948,558.83**	**1,803**	**346**	**6,749.72**	**673**	**581**	**79,052.08**	**290**	**371**	**79,191.29**	**209**	**712**	**1,908.38**	**712**	**4,962**	**22,108**

Jadual*(Table)* 14.1

MALAYSIA

ANGGARAN JUMLAH PENGELUARAN AKUAKULTUR MENGIKUT NEGERI DAN SISTEM TERNAKAN, 2001

ESTIMATED AQUCULTURE PRODUCTION BY STATE AND CULTURE SYSTEM,2001

(TAN METRIK/*TONNES)*

Negeri *State*	Air Tawar/*Freshwater*						Air Payau/*Brackishwater*							Jumlah Besar *Grand Total*
	Kolam *Ponds*	Bekas Lombong *Ex-Mining Pools*	Sangkar *Cages*	Tangki Simen *Cement Tanks*	Kandang Ikan *Pen Culture*	Jumlah Kecil *Sub Total*	Kolam *Ponds*	Sangkar *Cages*	Kerang *Cockles*	Siput Sudu *Mussels*	Tiram *Oyster*	Rumpai Laut *Seaweed*	Jumlah Kecil *Sub Total*	
Perlis	84.92	0.00	18.50	0.33	0.00	**103.75**	39.38	77.75	0.00	0.00	0.00	0.00	**117.13**	**220.88**
Kedah	1,036.17	3.15	81.94	4.63	5.05	**1,130.94**	863.93	924.80	648.68	6.10	15.27	0.00	**2,458.78**	**3,589.72**
Pulau Pinang	191.39	0.00	0.00	0.00	0.00	**191.39**	753.45	2,093.25	11,599.46	0.00	10.61	0.00	**14,456.77**	**14,648.16**
Perak	5,380.64	4,608.20	368.41	294.66	164.74	**10,816.65**	5,453.79	708.40	51,583.36	0.24	3.60	0.00	**57,749.39**	**68,566.04**
Selangor	6,335.66	265.87	22.15	399.02	0.00	**7,022.70**	2,251.45	804.66	6,922.06	0.00	0.00	0.00	**9,978.17**	**17,000.87**
Negeri Sembilan	1,804.76	0.00	103.50	28.96	0.00	**1,937.22**	317.30	0.60	0.00	5.39	0.00	0.00	**323.29**	**2,260.51**
Melaka	1,130.09	0.00	175.66	2.16	0.00	**1,307.91**	95.66	93.75	10.38	130.49	0.00	0.00	**330.28**	**1,638.19**
Johor	4,983.39	0.00	24.21	35.46	0.00	**5,043.06**	4,408.88	1,878.77	51.95	6,616.06	5.28	0.00	**12,960.94**	**18,004.00**
Pahang	6,229.44	157.48	1,011.99	3.00	0.00	**7,401.91**	4,777.39	16.64	0.00	0.00	0.00	0.00	**4,794.03**	**12,195.94**
Terengganu	286.70	0.00	1,238.63	45.48	5.24	**1,576.05**	193.06	110.05	0.00	0.00	114.87	0.00	**417.98**	**1,994.03**
Kelantan	641.71	0.00	33.93	22.83	291.54	**990.01**	164.94	282.06	0.00	0.00	4.85	0.00	**451.85**	**1,441.86**
Sarawak	1,530.56	0.00	73.17	5.88	0.00	**1,609.61**	4,189.48	51.33	0.00	0.00	0.00	0.00	**4,240.81**	**5,850.42**
Sabah	4,247.00	0.00	58.40	19.78	0.00	**4,325.18**	5,639.18	549.81	0.00	121.82	109.76	18,862.80	**25,283.37**	**29,608.55**
Jumlah/*Total*	**33,882.43**	**5,034.70**	**3,210.49**	**862.19**	**466.57**	**43,456.38**	**29,147.89**	**7,591.87**	**70,815.89**	**6,880.10**	**264.24**	**18,862.80**	**133,562.79**	**177,019.17**

Jadual*(Table)* 14.2

MALAYSIA

ANGGARAN NILAI BORONG PENGELUARAN AKUAKULTUR MENGIKUT NEGERI DAN SISTEM TERNAKAN, 2001

ESTIMATED WHOLESALE VALUE OF AQUACULTURE PRODUCTION BT STATE AND CULTURE SYSTEM, 2001

(RM ' 000)

Negeri *State*	Air Tawar/*Freshwater*						Air Payau/*Brackishwater*							Jumlah Besar *Grand Total*
	Kolam *Ponds*	Bekas Lombong *Ex-Mining Pools*	Sangkar *Cages*	Tangki Simen *Cement Tanks*	Kandang Ikan *Pen Culture*	Jumlah Kecil *Sub Total*	Kolam *Ponds*	Sangkar *Cages*	Kerang *Cockles*	Siput Sudu *Mussels*	Tiram *Oyster*	Rumpai Laut *Seaweed*	Jumlah Kecil *Sub Total*	
Perlis	267.33	0.00	74.00	1.30	0.00	**342.63**	773.29	1,088.50	0.00	0.00	0.00	0.00	**1,861.79**	**2,204.42**
Kedah	4,071.65	14.92	330.07	14.43	18.84	**4,449.91**	19,878.62	13,164.73	499.48	6.41	229.05	0.00	**33,778.29**	**38,228.20**
Pulau Pinang	591.21	0.00	0.00	0.00	0.00	**591.21**	12,217.23	28,920.61	8,235.62	0.00	181.22	0.00	**49,554.68**	**50,145.89**
Perak	20,937.93	15,401.50	1,542.69	1,119.98	632.19	**39,634.29**	138,982.22	10,503.52	41,266.69	0.21	28.80	0.00	**190,781.44**	**230,415.73**
Selangor	19,868.42	1,042.59	86.41	1,736.96	0.00	**22,734.38**	44,322.11	8,467.25	5,676.09	0.00	0.00	0.00	**58,465.45**	**81,199.83**
Negeri Sembilan	9,027.92	0.00	387.09	90.55	0.00	**9,505.56**	9,281.03	7.75	0.00	7.98	0.00	0.00	**9,296.76**	**18,802.32**
Melaka	3,330.57	0.00	762.37	8.16	0.00	**4,101.10**	2,536.15	485.94	12.04	130.49	0.00	0.00	**3,164.62**	**7,265.72**
Johor	22,371.03	0.00	118.13	105.36	0.00	**22,594.52**	112,220.19	30,322.52	41.56	2,911.07	79.20	0.00	**145,574.54**	**168,169.06**
Pahang	76,716.83	845.42	8,659.96	16.20	0.00	**86,238.41**	128,798.43	207.04	0.00	0.00	0.00	0.00	**129,005.47**	**215,243.88**
Terengganu	1,386.61	0.00	6,654.23	188.57	14.67	**8,244.08**	3,330.16	1,132.75	0.00	0.00	918.96	0.00	**5,381.87**	**13,625.95**
Kelantan	3,249.76	0.00	149.88	94.74	1,517.17	**5,011.55**	5,579.41	3,281.95	0.00	0.00	30.41	0.00	**8,891.77**	**13,903.32**
Sarawak	9,433.39	0.00	410.12	36.38	0.00	**9,879.89**	117,213.04	410.64	0.00	0.00	0.00	0.00	**117,623.68**	**127,503.57**
Sabah	34,625.00	0.00	467.20	158.24	0.00	**35,250.44**	191,888.84	4,733.76	0.00	243.64	219.52	7,545.12	**204,630.88**	**239,881.32**
Jumlah/*Total*	**205,877.65**	**17,304.43**	**19,642.15**	**3,570.87**	**2,182.87**	**248,577.97**	**787,020.72**	**102,726.96**	**55,731.48**	**3,299.80**	**1,687.16**	**7,545.12**	**958,011.24**	**1,206,589.21**

Jadual*(Table)* 14.3

MALAYSIA

ANGGARAN NILAI RUNCIT PENGELUARAN AKUAKULTUR MENGIKUT NEGERI DAN SISTEM TERNAKAN, 2001

ESTIMATED RETAIL VALUE OF AQUACULTURE PRODUCTION BY STATE AND CULTURE SYSTEM, 2001

(RM ' 000)

Negeri *State*	Air Tawar/*Freshwater*						Air Payau /*Brackishwater*							Jumlah Besar *Grand Total*
	Kolam *Ponds*	Bekas Lombong *Ex-Mining Pools*	Sangkar *Cages*	Tangki Simen *Cement Tanks*	Kandang Ikan *Pen Culture*	Jumlah Kecil *Sub Total*	Kolam *Ponds*	Sangkar *Cages*	Kerang *Cockles*	Siput Sudu *Mussels*	Tiram *Oyster*	Rumpai Laut *Seaweed*	Jumlah Kecil *Sub Total*	
Perlis	357.86	0.00	92.50	1.63	0.00	**451.99**	975.13	1,244.00	0.00	0.00	0.00	0.00	**2,219.13**	**2,671.12**
Kedah	6,324.73	20.92	463.66	24.78	27.10	**6,861.19**	24,804.38	16,868.35	784.90	9.82	259.59	0.00	**42,727.04**	**49,588.23**
Pulau Pinang	816.35	0.00	0.00	0.00	0.00	**816.35**	14,360.63	33,437.19	9,279.57	0.00	207.74	0.00	**57,285.13**	**58,101.48**
Perak	30,509.76	23,612.89	2,238.88	1,605.14	926.29	**58,892.96**	171,454.08	13,099.06	68,090.04	0.32	28.80	0.00	**252,672.30**	**311,565.26**
Selangor	29,749.11	1,430.19	115.55	2,343.60	0.00	**33,638.45**	51,169.51	9,695.83	7,752.71	0.00	0.00	0.00	**68,618.05**	**102,256.50**
Negeri Sembilan	13,202.50	0.00	602.37	149.63	0.00	**13,954.50**	10,842.14	8.95	0.00	10.56	0.00	0.00	**10,861.65**	**24,816.15**
Melaka	5,318.86	0.00	995.16	11.26	0.00	**6,325.28**	2,991.37	764.51	15.57	195.74	0.00	0.00	**3,967.19**	**10,292.47**
Johor	32,310.92	0.00	166.77	166.67	0.00	**32,644.36**	139,852.07	39,266.81	67.02	4,962.05	89.76	0.00	**184,237.71**	**216,882.07**
Pahang	83,454.07	1,020.45	10,038.95	20.01	0.00	**94,533.48**	147,095.84	252.07	0.00	0.00	0.00	0.00	**147,347.91**	**241,881.39**
Terengganu	1,658.65	0.00	8,133.81	200.48	18.18	**10,011.12**	3,560.47	1,347.37	0.00	0.00	1,148.70	0.00	**6,056.54**	**16,067.66**
Kelantan	4,381.03	0.00	204.29	132.19	2,031.20	**6,748.71**	6,123.19	3,559.17	0.00	0.00	35.11	0.00	**9,717.47**	**16,466.18**
Sarawak	13,516.64	0.00	569.90	49.35	0.00	**14,135.89**	146,533.40	769.95	0.00	0.00	0.00	0.00	**147,303.35**	**161,439.24**
Sabah	43,124.00	0.00	584.00	197.80	0.00	**43,905.80**	246,572.34	6,004.77	0.00	426.37	439.04	11,317.68	**264,760.20**	**308,666.00**
Jumlah/*Total*	**264,724.48**	**26,084.45**	**24,205.84**	**4,902.54**	**3,002.77**	**322,920.08**	**966,334.55**	**126,318.03**	**85,989.81**	**5,604.86**	**2,208.74**	**11,317.68**	**1,197,773.67**	**1,520,693.75**

MALAYSIA

ANGGARAN PENGELUARAN AKUAKULTUR DARIPADA SISTEM TERNAKAN AIR TAWAR MENGIKUT SPESIS, 2001

ESTIMATED AQUACULTURE PRODUCTION FROM FRESHWATER CULTURE SYSTEM BY SPECIES, 2001

(TAN METRIK*/TONNES)*

Spesis *Species*	**Sistem Ternakan** *Culture System*					**Jumlah** *Total*
	Kolam Air Tawar *Freshwater Ponds*	**Sangkar Air Tawar** *Freshwater Cages*	**Bekas Lombong** *Ex-Mining Pools*	**Tangki Simen** *Cement Tanks*	**Kandang** *Pen Culture*	
Lampam Jawa *Javanese Carp*	833.34	17.37	147.45	0.00	14.86	**1,013.02**
Lee Koh *Common Carp*	777.49	0.12	163.38	0.00	0.00	**940.99**
Kap Rumput *Grass Carp*	641.63	10.07	163.12	0.00	5.56	**820.38**
Kap Kepala Besar *Big Head Carp*	114.76	0.00	1,073.92	0.00	0.90	**1,189.58**
Udang Galah *Giant Freshwater Prawn*	752.00	0.00	0.00	0.00	0.00	**752.00**
Tilapia Hitam *Black Tilapia*	2,034.43	28.55	795.61	10.20	0.68	**2,869.47**
Tilapia Merah *Red Tilapia*	8,497.17	1,677.67	1,967.39	707.50	252.45	**13,102.18**
Jelawat *River Carp*	642.43	3.82	50.08	0.00	4.43	**700.76**
Keli *Freshwater Catfish*	11,614.67	0.00	9.35	129.96	0.40	**11,754.38**
Ketutu *Goby*	128.59	0.00	0.00	0.00	0.00	**128.59**
Belut *Eel*	2,358.50	0.00	0.00	0.00	0.00	**2,358.50**
Patin *River Catfish*	1,374.88	809.06	242.32	4.54	116.07	**2,546.87**
Toman *Giant Snakehead*	1,126.08	0.00	0.00	0.00	0.00	**1,126.08**
Baung *River Catfish*	261.52	507.93	0.21	0.00	52.95	**822.61**
Pelbagai *Others*	2,724.94	155.90	421.87	9.99	18.27	**3,330.97**
Jumlah *Total*	**33,882.43**	**3,210.49**	**5,034.70**	**862.19**	**466.57**	**43,456.38**

MALAYSIA

ANGGARAN NILAI BORONG PENGELUARAN AKUAKULTUR DARIPADA SISTEM TERNAKAN AIR TAWAR MENGIKUT SPESIS, 2001

ESTIMATED WHOLESALE VALUE OF AQUACULTURE PRODUCTION FROM FRESHWATER CULTURE SYSTEM BY SPECIES, 2001

(RM ' 000)

Spesis *Species*	Sistem Ternakan *Culture System*					Jumlah *Total*
	Kolam Air Tawar *Freshwater Ponds*	Sangkar Air Tawar *Freshwater Cages*	Bekas Lombong *Ex-Mining Pools*	Tangki Simen *Cement Tanks*	Kandang *Pen Culture*	
Lampam Jawa *Javanese Carp*	4,351.21	76.68	644.93	0.00	65.26	**5,138.08**
Lee Koh *Common Carp*	5,355.08	0.73	656.89	0.00	0.00	**6,012.70**
Kap Rumput *Grass Carp*	3,418.38	54.26	823.26	0.00	27.97	**4,323.87**
Kap Kepala Besar *Big Head Carp*	386.07	0.00	2,663.43	0.00	2.14	**3,051.64**
Udang Galah *Giant Freshwater Prawn*	19,969.75	0.00	0.00	0.00	0.00	**19,969.75**
Tilapia Hitam *Black Tilapia*	14,562.91	209.41	2,346.76	71.94	2.33	**17,193.35**
Tilapia Merah *Red Tilapia*	42,964.41	7,667.09	7,597.98	2,993.75	1,058.17	**62,281.40**
Jelawat *River Carp*	4,412.68	22.82	299.60	0.00	25.92	**4,761.02**
Keli *Freshwater Catfish*	32,585.58	0.00	24.74	446.70	1.52	**33,058.54**
Ketutu *Goby*	5,151.11	0.00	0.00	0.00	0.00	**5,151.11**
Belut *Eel*	47,170.00	0.00	0.00	0.00	0.00	**47,170.00**
Patin *River Catfish*	6,439.51	7,496.14	981.54	16.14	474.87	**15,408.20**
Toman *Giant Snakehead*	7,130.94	0.00	0.00	0.00	0.00	**7,130.94**
Baung *River Catfish*	2,294.95	3,590.89	1.83	0.00	466.49	**6,354.16**
Pelbagai *Others*	9,685.07	524.13	1,263.47	42.34	58.20	**11,573.21**
Jumlah *Total*	**205,877.65**	**19,642.15**	**17,304.43**	**3,570.87**	**2,182.87**	**248,577.97**

Jadual*(Table)* **14.6**

MALAYSIA

ANGGARAN NILAI RUNCIT PENGELUARAN AKUAKULTUR DARIPADA SISTEM TERNAKAN AIR TAWAR MENGIKUT SPESIS, 2001

ESTIMATED RETAIL VALUE OF AQUACULTURE PRODUCTION FROM FRESHWATER CULTURE SYSTEM BY SPECIES, 2001

(RM ' 000)

Spesis *Species*	**Sistem Ternakan** *Culture System*					**Jumlah** *Total*
	Kolam Air Tawar *Freshwater Ponds*	**Sangkar Air Tawar** *Freshwater Cages*	**Bekas Lombong** *Ex-Mining Pools*	**Tangki Simen** *Cement Tanks*	**Kandang** *Pen Culture*	
Lampam Jawa *Javanese Carp*	6,796.66	84.42	920.75	0.00	94.30	**7,896.13**
Lee Koh *Common Carp*	6,815.57	0.98	982.29	0.00	0.00	**7,798.84**
Kap Rumput *Grass Carp*	4,585.83	60.75	1,172.19	0.00	41.26	**5,860.03**
Kap Kepala Besar *Big Head Carp*	550.92	0.00	4,646.46	0.00	3.83	**5,201.21**
Udang Galah *Giant Freshwater Prawn*	23,937.76	0.00	0.00	0.00	0.00	**23,937.76**
Tilapia Hitam *Black Tilapia*	18,408.92	261.30	3,807.90	91.00	3.52	**22,572.64**
Tilapia Merah *Red Tilapia*	57,802.83	10,081.45	10,807.78	4,115.43	1,465.31	**84,272.80**
Jelawat *River Carp*	5,720.21	32.88	432.86	0.00	37.74	**6,223.69**
Keli *Freshwater Catfish*	51,908.35	0.00	38.82	614.51	2.23	**52,563.91**
Ketutu *Goby*	6,096.39	0.00	0.00	0.00	0.00	**6,096.39**
Belut *Eel*	47,170.00	0.00	0.00	0.00	0.00	**47,170.00**
Patin *River Catfish*	8,995.69	8,578.31	1,494.84	26.26	676.66	**19,771.76**
Toman *Giant Snakehead*	9,778.30	0.00	0.00	0.00	0.00	**9,778.30**
Baung *River Catfish*	3,013.89	4,391.98	2.68	0.00	598.86	**8,007.41**
Pelbagai *Others*	13,143.16	713.77	1,777.88	55.34	79.06	**15,769.21**
Jumlah *Total*	**264,724.48**	**24,205.84**	**26,084.45**	**4,902.54**	**3,002.77**	**322,920.08**

MALAYSIA

ANGGARAN PENGELUARAN AKUAKULTUR DARIPADA SISTEM TERNAKAN AIR PAYAU/MASIN MENGIKUT SPESIS, 2001

ESTIMATED AQUACULTURE PRODUCTION FROM BRACKISHWATER CULTURE SYSTEM BY SPECIES, 2001

(TAN METRIK/*TONNES)*

Spesis *Species*	Sistem Ternakan *Culture System*						Jumlah *Total*
	Kolam Air Payau *Brackishwater Ponds*	Sangkar Air Payau *Brackishwater Cages*	Kerang *Cockles*	Siput Sudu *Mussels*	Tiram *Oysters*	Rumpai Laut (Basah) *SeaweEd (wet)*	
Siakap *Barramundi*	979.68	3,081.52	0.00	0.00	0.00	0.00	**4,061.20**
Siakap Merah *Mangrove Red Snapper*	0.00	681.64	0.00	0.00	0.00	0.00	**681.64**
Banding *Milkfish*	113.35	0.00	0.00	0.00	0.00	0.00	**113.35**
Kerapu *Grouper*	74.30	1,026.86	0.00	0.00	0.00	0.00	**1,101.16**
Jenahak *Mangrove Snapper*	160.83	1,326.98	0.00	0.00	0.00	0.00	**1,487.81**
Udang Putih *Banana Prawn*	661.94	0.00	0.00	0.00	0.00	0.00	**661.94**
Udang Harimau *Tiger Prawn*	26,351.29	0.00	0.00	0.00	0.00	0.00	**26,351.29**
Ketam *Mud Crab*	2.17	201.24	0.00	0.00	0.00	0.00	**203.41**
Ketam Telur *Berried crabs*	0.00	15.39	0.00	0.00	0.00	0.00	**15.39**
Tilapia Merah *Red Tilapia*	162.57	118.94	0.00	0.00	0.00	0.00	**281.51**
Merah *Red Snapper*	0.00	561.48	0.00	0.00	0.00	0.00	**561.48**
Kerang Dewasa *Cockles*	0.00	0.00	70,815.89	0.00	0.00	0.00	**70,815.89**
Siput sudu *Mussels*	0.00	0.00	0.00	6,880.10	0.00	0.00	**6,880.10**
Tiram *Oysters*	0.00	0.00	0.00	0.00	264.24	0.00	**264.24**
Rumpai laut *Seaweed*	0.00	0.00	0.00	0.00	0.00	18,862.80	**18,862.80**
Pelbagai *Others*	641.76	577.82	0.00	0.00	0.00	0.00	**1,219.58**
Jumlah *Total*	**29,147.89**	**7,591.87**	**70,815.89**	**6,880.10**	**264.24**	**18,862.80**	**133,562.79**

Jadual *(Table)* **14.8**

MALAYSIA

ANGGARAN NILAI BORONG PENGELUARAN AKUAKULTUR DARIPADA SISTEM TERNAKAN AIR PAYAU/MASIN MENGIKUT SPESIS, 2001

ESTIMATED WHOLESALE VALUE OF AQUACULTURE PRODUCTION FROM BRACKISHWATER CULTURE SYSTEM BY SPECIES, 2001

(RM ' 000)

Spesis *Species*	**Sistem Ternakan** *Culture System*						**Jumlah** *Total*
	Kolam Air Payau *Brackishwater Ponds*	**Sangkar Air Payau** *Brackishwater Cages*	**Kerang** *Cockles*	**Siput Sudu** *Mussels*	**Tiram** *Oysters*	**Rumpai Laut (basah)** *Seaweed (wet)*	
Siakap *Barramundi*	11,707.44	36,159.21	0.00	0.00	0.00	0.00	**47,866.65**
Siakap Merah *Mangrove Red Snapper*	0.00	7,612.04	0.00	0.00	0.00	0.00	**7,612.04**
Banding *Milkfish*	1,182.24	0.00	0.00	0.00	0.00	0.00	**1,182.24**
Kerapu *Grouper*	2,069.10	21,985.12	0.00	0.00	0.00	0.00	**24,054.22**
Jenahak *Mangrove Snapper*	2,346.34	18,847.05	0.00	0.00	0.00	0.00	**21,193.39**
Udang Putih *Banana Prawn*	18,938.31	0.00	0.00	0.00	0.00	0.00	**18,938.31**
Udang Harimau *Tiger Prawn*	744,795.83	0.00	0.00	0.00	0.00	0.00	**744,795.83**
Ketam *Mud Crab*	10.67	2,859.11	0.00	0.00	0.00	0.00	**2,869.78**
Ketam Telur *Berried crabs*	0.00	301.34	0.00	0.00	0.00	0.00	**301.34**
Tilapia Merah *Red Tilapia*	1,039.80	598.66	0.00	0.00	0.00	0.00	**1,638.46**
Merah *Red Snapper*	0.00	7,728.03	0.00	0.00	0.00	0.00	**7,728.03**
Kerang Dewasa *Cockles*	0.00	0.00	55,731.48	0.00	0.00	0.00	**55,731.48**
Siput sudu *Mussels*	0.00	0.00	0.00	3,299.80	0.00	0.00	**3,299.80**
Tiram *Oysters*	0.00	0.00	0.00	0.00	1,687.16	0.00	**1,687.16**
Rumpai laut *Seaweed*	0.00	0.00	0.00	0.00	0.00	7,545.12	**7,545.12**
Pelbagai *Others*	4,930.99	6,636.40	0.00	0.00	0.00	0.00	**11,567.39**
Jumlah *Total*	**787,020.72**	**102,726.96**	**55,731.48**	**3,299.80**	**1,687.16**	**7,545.12**	**958,011.24**

Jadual(*Table*) 14.9

MALAYSIA

ANGGARAN NILAI RUNCIT PENGELUARAN AKUAKULTUR DARIPADA SISTEM TERNAKAN AIR PAYAU/MASIN MENGIKUT SPESIS, 2001

ESTIMATED RETAIL VALUEOF AQUACULTURE PRODUCTION FROM BRACKISHWATER CULTURE SYSTEM BY SPECIES, 2001

(RM '000)

Spesis *Species*	Sistem Ternakan *Culture System*						Jumlah *Total*
	Kolam Air Payau *Brackishwater Ponds*	Sangkar Air Payau *Brackishwater Cages*	Kerang *Cockles*	Siput Sudu *Mussels*	Tiram *Oysters*	Rumpai Laut (basah) *Seaweed (wet)*	
Siakap *Barramundi*	14,628.41	44,775.32	0.00	0.00	0.00	0.00	**59,403.73**
Siakap Merah *Mangrove Red Snapper*	0.00	8,863.72	0.00	0.00	0.00	0.00	**8,863.72**
Banding *Milkfish*	1,182.24	0.00	0.00	0.00	0.00	0.00	**1,182.24**
Kerapu *Grouper*	2,486.18	26,295.32	0.00	0.00	0.00	0.00	**28,781.50**
Jenahak *Mangrove Snapper*	3,081.08	24,047.36	0.00	0.00	0.00	0.00	**27,128.44**
Udang Putih *Banana Prawn*	25,240.35	0.00	0.00	0.00	0.00	0.00	**25,240.35**
Udang Harimau *Tiger Prawn*	912,235.28	0.00	0.00	0.00	0.00	0.00	**912,235.28**
Ketam *Mud Crab*	14.56	3,510.73	0.00	0.00	0.00	0.00	**3,525.29**
Ketam Telur *Berried crabs*	0.00	361.67	0.00	0.00	0.00	0.00	**361.67**
Tilapia Merah *Red Tilapia*	1,226.53	900.19	0.00	0.00	0.00	0.00	**2,126.72**
Merah *Red Snapper*	0.00	8,768.60	0.00	0.00	0.00	0.00	**8,768.60**
Kerang Dewasa *Cockles*	0.00	0.00	85,989.81	0.00	0.00	0.00	**85,989.81**
Siput sudu *Mussels*	0.00	0.00	0.00	5,604.86	0.00	0.00	**5,604.86**
Tiram *Oysters*	0.00	0.00	0.00	0.00	2,208.74	0.00	**2,208.74**
Rumpai laut *Seaweed*	0.00	0.00	0.00	0.00	0.00	11,317.68	**11,317.68**
Pelbagai *Others*	6,239.92	8,795.12	0.00	0.00	0.00	0.00	**15,035.04**
Jumlah *Total*	**966,334.55**	**126,318.03**	**85,989.81**	**5,604.86**	**2,208.74**	**11,317.68**	**1,197,773.67**

Jadual*(Table)* 15.1

MALAYSIA
BILANGAN DAN LUAS KOLAM AIR TAWAR YANG DIUSAHAKAN SERTA BILANGAN PENTERNAK MENGIKUT KAUM DAN NEGERI, 2001
NUMBER AND AREA OF FRESHWATER PONDS IN OPERATION AND NUMBER OF CULTURISTS BY RACE AND STATE, 2001

Negeri *State*	**Kolam Air Tawar** *Freshwater Ponds*		**Bilangan Penternak** *No. Of Culturists*				
	Bilangan *Number*	**Luas (Ha)** *Area(Ha)*	**Bumiputera** *Bumiputeras*	**Cina** *Chinese*	**India** *Indian*	**Lain-Lain** *Others*	**Jumlah** *Total*
Perlis	169	26.98	110	2	0	0	**112**
Kedah	1,731	187.98	628	19	0	8	**655**
Pulau Pinang	239	30.30	49	13	3	3	**68**
Perak	2,502	696.82	907	150	8	13	**1,078**
Selangor	2,230	604.19	381	165	31	68	**645**
Negeri Sembilan	1,825	408.75	875	147	11	13	**1,046**
Melaka	495	104.01	233	55	2	2	**292**
Johor	2,200	301.73	239	142	4	22	**407**
Pahang	2,481	612.85	1,307	131	5	4	**1,447**
Terengganu	1,240	109.46	651	2	0	0	**653**
Kelantan	1,766	192.06	947	7	0	5	**959**
Sarawak	2,464	226.22	77	162	0	1,492	**1,731**
Sabah	17,071	1,516.88	113	866	0	4,715	**5,694**
Jumlah*/Total*	**36,413**	**5,018.23**	**6,517**	**1,861**	**64**	**6,345**	**14,787**

Jadual*(Table)* 15.2

MALAYSIA

ANGGARAN PENGELUARAN IKAN DARI KOLAM AIR TAWAR MENGIKUT NEGERI DAN SPESIS, 2001

ESTIMATED FISH PRODUCTION FROM FRESHWATER PONDS BY STATE AND SPECIES, 2001

(TAN METRIK/*TONNES*)

Negeri *State*	Lampam Jawa *Javanese Carp*	Lee Koh *Common Carp*	Kap Rumput *Grass Carp*	Kap Kepala Besar *Big Head Carp*	Udang Galah *Giant Fresh-water Prawn*	Tilapia Hitam *Black Tilapia*	Tilapia Merah *Red Tilapia*	Jelawat *River Carp*	Keli *Freshwater Catfish*	Ketutu *Goby*	Belut *Eel*	Patin *River Catfish*	Toman *Giant SnakeHead*	Baung *River Catfish*	Pelbagai *Miscellaneous*	Jumlah *Total*
Perlis	0.00	0.00	0.00	0.00	0.00	3.85	15.39	0.00	55.08	0.00	0.00	0.00	0.00	0.00	10.60	**84.92**
Kedah	75.96	8.58	2.75	0.00	24.74	40.61	148.16	2.85	697.96	0.00	0.00	4.31	0.00	6.46	23.79	**1,036.17**
Pulau Pinang	1.10	0.00	0.00	0.00	3.25	0.00	13.52	0.00	169.97	0.00	0.00	0.00	0.00	0.00	3.55	**191.39**
Perak	147.31	120.18	207.94	35.96	89.74	4.21	2,136.86	58.93	2,193.57	0.06	0.00	160.37	0.00	15.10	210.41	**5,380.64**
Selangor	129.01	73.45	66.53	38.26	0.80	151.63	475.41	74.17	4,254.82	4.17	0.00	443.13	0.00	138.62	485.66	**6,335.66**
Negeri Sembilan	92.64	12.57	88.80	0.24	108.85	39.75	1,148.73	4.48	188.92	0.00	0.00	50.00	0.00	0.00	69.78	**1,804.76**
Melaka	18.60	0.70	8.98	0.00	0.00	21.13	121.42	3.33	780.50	0.00	0.00	1.16	0.00	0.00	174.27	**1,130.09**
Johor	2.86	49.73	14.63	0.00	62.97	0.61	809.42	0.00	2,777.94	38.68	0.00	163.31	884.47	64.69	114.08	**4,983.39**
Pahang	99.73	117.01	163.18	25.35	405.83	37.45	1,083.51	3.64	72.41	67.86	2,358.50	112.42	237.03	0.00	1,445.52	**6,229.44**
Terengganu	12.52	6.94	5.87	0.00	0.12	20.73	137.70	3.47	39.95	2.77	0.00	24.17	0.00	23.92	8.54	**286.70**
Kelantan	74.11	11.49	13.12	0.28	10.88	70.90	149.66	41.10	112.27	3.05	0.00	85.86	0.00	12.52	56.47	**641.71**
Sarawak	50.50	74.84	20.83	13.67	15.82	6.56	557.39	448.46	66.28	0.00	0.00	220.15	4.58	0.21	51.27	**1,530.56**
Sabah	129.00	302.00	49.00	1.00	29.00	1,637.00	1,700.00	2.00	205.00	12.00	0.00	110.00	0.00	0.00	71.00	**4,247.00**
Jumlah/*Total*	**833.34**	**777.49**	**641.63**	**114.76**	**752.00**	**2,034.43**	**8,497.17**	**642.43**	**11,614.67**	**128.59**	**2,358.50**	**1,374.88**	**1,126.08**	**261.52**	**2,724.94**	**33,882.43**

Nota: Pelbagai - Termasuk ikan haruan, sepat siam dan lain lain

Note; Miscellaneous - Includes snake head, snakeskin gouramy and others

Jadual*(Table)* 15.3

MALAYSIA

ANGGARAN NILAI BORONG PENGELUARAN IKAN DARI KOLAM AIR TAWAR

MENGIKUT NEGERI DAN SPESIS IKAN 2001

ESTIMATED WHOLESALE VALUE OF FISH PRODUCTION FROM FRESHWATER PONDS

BY STATE AND FISH SPECIES, 2001

(NILAI DALAM RM ' 000/*VALUE IN RM '000*)

Negeri *State*	**Lampam Jawa** *Javanese Carp*	**Lee Koh** *Common Carp*	**Kap Rumput** *Grass Carp*	**Kap Kepala Besar** *Big Head Carp*	**Udang Galah** Giant Fresh-water Prawn	**Tilapia Hitam** *Black Tilapia*	**Tilapia Merah** *Red Tilapia*	**Jelawat** *River Carp*	**Keli** *Freshwater Catfish*	**Ketutu** *Goby*	**Belut** *Eel*	**Patin** *River Catfish*	**Toman** Giant SnakeHead	**Baung** *River Catfish*	**Pelbagai** *Miscell-aneous*	**Jumlah** *Total*
Perlis	0.00	0.00	0.00	0.00	0.00	13.48	61.56	0.00	165.79	0.00	0.00	0.00	0.00	0.00	26.50	**267.33**
Kedah	293.97	53.11	17.02	0.00	623.20	139.29	597.08	22.60	2,170.66	0.00	0.00	27.50	0.00	56.33	70.89	**4,071.65**
Pulau Pinang	3.62	0.00	0.00	0.00	66.07	0.00	55.43	0.00	443.62	0.00	0.00	0.00	0.00	0.00	22.47	**591.21**
Perak	595.13	480.72	1,045.94	85.58	2,519.90	12.25	8,162.81	344.74	6,361.35	2.88	0.00	569.31	0.00	126.09	631.23	**20,937.93**
Selangor	630.86	268.09	316.02	102.92	23.33	532.22	2,087.05	535.51	11,317.82	158.29	0.00	1,187.59	0.00	1,251.74	1,456.98	**19,868.42**
Negeri Sembilan	361.30	49.02	345.43	0.83	2,826.83	111.70	4,296.25	21.41	589.43	0.00	0.00	178.00	0.00	0.00	247.72	**9,027.92**
Melaka	72.54	2.64	39.42	0.00	0.00	62.97	513.61	16.15	1,748.32	0.00	0.00	3.57	0.00	0.00	871.35	**3,330.57**
Johor	11.10	298.38	73.15	0.00	1,632.18	2.20	3,334.81	0.00	7,583.78	1,615.66	0.00	746.33	5,917.10	584.80	571.54	**22,371.03**
Pahang	577.44	638.87	887.70	130.30	11,602.68	187.25	5,850.95	40.04	181.03	2,863.69	47,170.00	1,142.19	1,180.41	0.00	4,264.28	**76,716.83**
Terengganu	53.84	26.37	28.18	0.00	2.04	91.83	610.01	22.56	165.39	67.39	0.00	131.00	0.00	164.09	23.91	**1,386.61**
Kelantan	386.11	61.36	71.37	1.13	204.22	282.89	673.47	334.14	442.34	83.20	0.00	363.19	0.00	110.30	236.04	**3,249.76**
Sarawak	333.30	456.52	104.15	53.31	237.30	30.83	3,121.38	3,049.53	391.05	0.00	0.00	1,210.83	33.43	1.60	410.16	**9,433.39**
Sabah	1,032.00	3,020.00	490.00	12.00	232.00	13,096.00	13,600.00	26.00	1,025.00	360.00	0.00	880.00	0.00	0.00	852.00	**34,625.00**
Jumlah/*Total*	**4,351.21**	**5,355.08**	**3,418.38**	**386.07**	**19,969.75**	**14,562.91**	**42,964.41**	**4,412.68**	**32,585.58**	**5,151.11**	**47,170.00**	**6,439.51**	**7,130.94**	**2,294.95**	**9,685.07**	**205,877.65**

Nota: Pelbagai - Termasuk Ikan Haruan, Sepat Siam dan Lain - lain

Note: Miscellaneous - Includes Snake Head, Snake skin Gouramy and Others.

MALAYSIA

ANGGARAN NILAI RUNCIT PENGELUARAN IKAN DARI KOLAM AIR TAWAR MENGIKUT NEGERI DAN SPESIS, 2001

ESTIMATED RETAIL VALUE OF FISH PRODUCTION FROM FRESHWATER PONDS BY STATE AND SPECIES, 2001

(RM ' 000)

Negeri *State*	Lampam Jawa *Javanese Carp*	Lee Koh *Common Carp*	Kap Rumput *Grass Carp*	Kap Kepala Besar *Big Head Carp*	Udang Galah Giant Fresh-water Prawn	Tilapia Hitam *Black Tilapia*	Tilapia Merah *Red Tilapia*	Jelawat *River Carp*	Keli *Freshwater Catfish*	Ketutu *Goby*	Belut *Eel*	Patin *River Catfish*	Toman Giant SnakeHead	Baung *River Catfish*	Pelbagai *Miscell-aneous*	Jumlah *Total*
Perlis	0.00	0.00	0.00	0.00	0.00	17.33	76.95	0.00	229.13	0.00	0.00	0.00	0.00	0.00	34.45	**357.86**
Kedah	412.46	75.08	22.11	0.00	765.95	209.95	838.59	29.75	3,734.09	0.00	0.00	43.83	0.00	82.30	110.62	**6,324.73**
Pulau Pinang	4.31	0.00	0.00	0.00	79.01	0.00	70.71	0.00	635.69	0.00	0.00	0.00	0.00	0.00	26.63	**816.35**
Perak	908.90	724.69	1,542.91	153.19	3,127.44	20.12	11,667.26	502.08	9,849.13	3.57	0.00	928.54	0.00	187.69	894.24	**30,509.76**
Selangor	839.86	367.25	429.78	149.21	30.90	733.89	2,814.43	726.87	18,125.53	230.56	0.00	1,976.36	0.00	1,595.52	1,728.95	**29,749.11**
Negeri Sembilan	576.22	81.08	581.64	1.23	3,411.36	177.68	6,685.61	35.93	974.83	0.00	0.00	271.50	0.00	0.00	405.42	**13,202.50**
Melaka	99.70	3.63	49.30	0.00	0.00	83.04	670.24	21.31	3,246.88	0.00	0.00	5.03	0.00	0.00	1,139.73	**5,318.86**
Johor	16.59	397.84	117.04	0.00	2,000.56	3.27	4,710.82	0.00	12,334.05	1,999.76	0.00	1,094.18	8,022.14	809.27	805.40	**32,310.92**
Pahang	644.26	812.05	988.87	157.93	13,501.96	254.66	7,227.01	56.78	217.23	3,270.17	47,170.00	1,300.70	1,708.99	0.00	6,143.46	**83,454.07**
Terengganu	56.34	31.23	32.29	0.00	2.28	110.49	782.14	25.89	174.98	72.93	0.00	145.02	0.00	195.43	29.63	**1,658.65**
Kelantan	518.77	85.03	94.33	1.54	253.72	387.82	911.43	434.84	633.20	99.40	0.00	501.42	0.00	141.60	317.93	**4,381.03**
Sarawak	1,429.25	613.69	139.56	73.82	300.58	40.67	4,347.64	3,856.76	523.61	0.00	0.00	1,629.11	47.17	2.08	512.70	**13,516.64**
Sabah	1,290.00	3,624.00	588.00	14.00	464.00	16,370.00	17,000.00	30.00	1,230.00	420.00	0.00	1,100.00	0.00	0.00	994.00	**43,124.00**
Jumlah*/Total*	**6,796.66**	**6,815.57**	**4,585.83**	**550.92**	**23,937.76**	**18,408.92**	**57,802.83**	**5,720.21**	**51,908.35**	**6,096.39**	**47,170.00**	**8,995.69**	**9,778.30**	**3,013.89**	**13,143.16**	**264,724.48**

Nota: Pelbagai - Termasuk ikan haruan, sepat siam dan lain lain

Note; Miscellaneous - Includes snake head, snakeskin gouramy and others

Jadual*(Table)* 16.1

MALAYSIA

BILANGAN DAN LUAS BEKAS LOMBONG YANG DIUSAHAKAN SERTA BILANGAN PENTERNAK MENGIKUT KAUM DAN NEGERI, 2001

NUMBER AND AREA OF EX-MINING POOLS IN OPERATION AND NUMBER OF CULTURISTS BY RACE AND STATE, 2001

Negeri *State*	**Bekas Lombong** *Ex-Mining Pools*		**Bilangan Penternak** *No. Of Culturists*				
	Bilangan *Number*	**Luas (Ha)** *Area(Ha)*	**Bumiputera** *Bumiputeras*	**Cina** *Chinese*	**India** *Indian*	**Lain-Lain** *Others*	**Jumlah** *Total*
Perlis	0	0.00	0	0	0	0	**0**
Kedah	1	4.10	0	1	0	0	**1**
Pulau Pinang	0	0.00	0	0	0	0	**0**
Perak	251	1,082.35	44	98	1	8	**151**
Selangor	98	226.88	36	14	1	7	**58**
Negeri Sembilan	0	0.00	0	0	0	0	**0**
Melaka	0	0.00	0	0	0	0	**0**
Johor	0	0.00	0	0	0	0	**0**
Pahang	10	280.16	9	1	0	0	**10**
Terengganu	0	0.00	0	0	0	0	**0**
Kelantan	0	0.00	0	0	0	0	**0**
Sarawak	0	0.00	0	0	0	0	**0**
Sabah	0	0.00	0	0	0	0	**0**
Jumlah*/Total*	**360**	**1,593.49**	**89**	**114**	**2**	**15**	**220**

Jadual (*Table*) 16.2

MALAYSIA

ANGGARAN PENGELUARAN IKAN DARI BEKAS LOMBONG MENGIKUT NEGERI DAN SPESIS, 2001

ESTIMATED FISH PRODUCTION FROM EX-MINING POOLS BY STATE AND SPECIES, 2001

(TAN METRIK/*TONNES*)

Negeri *State*	**Lampam Jawa** *Javanese Carp*	**Lee Koh** *Commom Carp*	**Kap Rumput** *Grass Carp*	**Kap Kepala Besar** *Big Head Carp*	**Patin** *River Catfish*	**Tilapia Hitam** *Black Tilapia*	**Tilapia Merah** *Red Tilapia*	**Jelawat** *River Carp*	**Keli** *Freshwater Catfish*	**Baung** *River Catfish*	**Pelbagai** *Miscellaneous*	**Jumlah** *Total*
Perlis	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
Kedah	0.47	0.06	0.46	0.00	0.00	0.37	1.03	0.20	0.00	0.21	0.35	**3.15**
Pulau Pinang	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
Perak	110.63	153.34	129.55	1,027.07	195.61	745.22	1,844.54	45.35	0.00	0.00	356.89	**4,608.20**
Selangor	15.89	6.26	16.46	8.90	25.06	49.13	109.05	4.53	8.55	0.00	22.04	**265.87**
Negeri Sembilan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
Melaka	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
Johor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
Pahang	20.46	3.72	16.65	37.95	21.65	0.89	12.77	0.00	0.80	0.00	42.59	**157.48**
Terengganu	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
Kelantan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
Sarawak	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
Sabah	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
Jumlah/Total	**147.45**	**163.38**	**163.12**	**1,073.92**	**242.32**	**795.61**	**1,967.39**	**50.08**	**9.35**	**0.21**	**421.87**	**5,034.70**

Nota: Pelbagai-Termasuk ikan haruan, sepat siam dan lain-lain

Note: Micellaneous-Includes snake head, snakeskin gouramy and others

Jadual*(Table)* **16.3**

MALAYSIA

ANGGARAN NILAI BORONG PENGELUARAN IKAN DARI BEKAS LOMBONG MENGIKUT NEGERI DAN SPESIS, 2001

ESTIMATED WHOLESALE VALUE OF FISH PRODUCTION FROM EX-MINING POOLS BY STATE AND SPECIES, 2001

(RM '000)

Negeri *State*	**Lampam Jawa** *Javanese Carp*	**Lee Koh** *Common Carp*	**Kap Rumput** *Grass Carp*	**Kap Kepala Besar** *Big Head Carp*	**Baung** *River Catfish*	**Tilapia Hitam** *Black Tilapia*	**Tilapia Merah** *Red Tilapia*	**Jelawat** *River Carp*	**Keli** *Freshwater Catfish*	**Patin** *River Catfish*	**Pelbagai** *Miscell-aneous*	**Jumlah** *Total*
Perlis	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
Kedah	1.82	0.37	2.85	0.00	1.83	1.27	4.15	1.59	0.00	0.00	1.04	**14.92**
Pulau Pinang	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
Perak	446.95	613.36	651.64	2,444.43	0.00	2,168.59	7,046.14	265.30	0.00	694.42	1,070.67	**15,401.50**
Selangor	77.70	22.85	78.19	23.94	0.00	172.45	478.73	32.71	22.74	67.16	66.12	**1,042.59**
Negeri Sembilan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
Melaka	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
Johor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
Pahang	118.46	20.31	90.58	195.06	0.00	4.45	68.96	0.00	2.00	219.96	125.64	**845.42**
Terengganu	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
Kelantan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
Sarawak	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
Sabah	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
Jumlah*/Total*	**644.93**	**656.89**	**823.26**	**2,663.43**	**1.83**	**2,346.76**	**7,597.98**	**299.60**	**24.74**	**981.54**	**1,263.47**	**17,304.43**

Nota: Pelbagai-Termasuk ikan haruan, sepat siam dan lain-lain

Note: Micellaneous-Includes snake head, snakeskin gouramy and others

MALAYSIA

ANGGARAN NILAI RUNCIT PENGELUARAN IKAN DARI BEKAS LOMBONG MENGIKUT NEGERI DAN SPESIS, 2001

ESTIMATED RETAIL VALUE OF FISH PRODUCTION FROM EX-MINING POOLS BY STATE AND SPECIES, 2001

(RM '000)

Negeri *State*	**Lampam Jawa** *Javanese Carp*	**Lee Koh** *Common Carp*	**Kap Rumput** *Grass Carp*	**Kap Kepala Besar** *Big Head Carp*	**Baung** *River Catfish*	**Tilapia Hitam** *Black Tilapia*	**Tilapia Merah** *Red Tilapia*	**Jelawat** *River Carp*	**Keli** *Freshwater Catfish*	**Patin** *River Catfish*	**Pelbagai** *Miscell-aneous*	**Jumlah** *Total*
Perlis	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
Kedah	2.55	0.53	3.70	0.00	2.68	1.91	5.83	2.09	0.00	0.00	1.63	**20.92**
Pulau Pinang	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
Perak	682.59	924.64	961.26	4,375.32	0.00	3,562.15	10,071.19	386.38	0.00	1,132.58	1,516.78	**23,612.89**
Selangor	103.44	31.30	106.33	34.71	0.00	237.79	645.58	44.39	36.42	111.77	78.46	**1,430.19**
Negeri Sembilan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
Melaka	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
Johor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
Pahang	132.17	25.82	100.90	236.43	0.00	6.05	85.18	0.00	2.40	250.49	181.01	**1,020.45**
Terengganu	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
Kelantan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
Sarawak	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
Sabah	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
Jumlah*/Total*	**920.75**	**982.29**	**1,172.19**	**4,646.46**	**2.68**	**3,807.90**	**10,807.78**	**432.86**	**38.82**	**1,494.84**	**1,777.88**	**26,084.45**

Nota: Pelbagai-Termasuk ikan haruan, sepat siam dan lain-lain

Note: Micellaneous-Includes snake head, snakeskin gouramy and others

Jadual*(Table)* 17.1

MALAYSIA

BILANGAN DAN LUAS SANGKAR AIR TAWAR YANG DIUSAHAKAN SERTA BILANGAN PENTERNAK MENGIKUT KAUM DAN NEGERI, 2001

NUMBER AND AREA OF FRESHWATER CAGES IN OPERATION AND NUMBER OF CULTURISTS BY RACE AND STATE, 2001

Negeri State	**Sangkar Air tawar** *Freshwater Cages*		**Bilangan Penternak** *No. Of Culturists*				
	Bilangan *Number*	**Luas (m2)** *Area(m2)*	**Bumiputera** *Bumiputeras*	**Cina** *Chinese*	**India** *Indian*	**Lain-Lain** *Others*	**Jumlah** *Total*
Perlis	628	19,098.00	0	0	0	5	**5**
Kedah	671	5,362.51	18	0	0	5	**23**
Pulau Pinang	0	0.00	0	0	0	0	**0**
Perak	594	9,400.00	43	2	0	0	**45**
Selangor	127	2,736.24	5	0	0	4	**9**
Negeri Sembilan	540	6,720.00	1	3	0	0	**4**
Melaka	366	4,912.64	0	1	0	1	**2**
Johor	182	1,935.40	5	2	0	2	**9**
Pahang	3381	41,963.91	522	8	0	134	**664**
Terengganu	164	40,578.94	229	4	1	0	**234**
Kelantan	591	16,776.00	90	0	0	0	**90**
Sarawak	2,750	60,000.00	65	0	0	84	**149**
Sabah	208	2,433.50	11	3	0	3	**17**
Jumlah*/Total*	**10,202**	**211,917.14**	**989**	**23**	**1**	**238**	**1,251**

MALAYSIA

ANGGARAN PENGELUARAN IKAN DARI SANGKAR AIR TAWAR MENGIKUT NEGERI DAN SPESIS, 2001

ESTIMATED FISH PRODUCTION FROM FRESHWATER CAGES BY STATE AND SPECIES, 2001

(TAN METRIK/*TONNES)*

Negeri *State*	**Lampam Jawa** *Javanese Carp*	**Lee Koh** *Commom Carp*	**Kap Rumput** *Grass Carp*	**Kap Kepala Besar** *Big Head Carp*	**Ketutu** *Goby*	**Tilapia Hitam** *Black Tilapia*	**Tilapia Merah** *Red Tilapia*	**Jelawat** *River Carp*	**Patin** *River Catfish*	**Toman** *Giant Snakehead*	**Baung** *River Catfish*	**Pelbagai** *Miscellaneous*	**Jumlah** *Total*
Perlis	0.00	0.00	0.00	0.00	0.00	0.00	18.50	0.00	0.00	0.00	0.00	0.00	**18.50**
Kedah	0.00	0.00	0.00	0.00	0.00	0.24	81.70	0.00	0.00	0.00	0.00	0.00	**81.94**
Pulau Pinang	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
Perak	1.25	0.00	0.00	0.00	0.00	0.00	215.34	3.55	19.44	0.00	44.63	84.20	**368.41**
Selangor	0.00	0.00	0.00	0.00	0.00	0.00	14.66	0.05	1.98	0.00	0.00	5.46	**22.15**
Negeri Sembilan	0.00	0.00	0.00	0.00	0.00	0.00	103.50	0.00	0.00	0.00	0.00	0.00	**103.50**
Melaka	0.00	0.00	0.50	0.00	0.00	0.00	149.92	0.00	0.10	0.00	0.00	25.14	**175.66**
Johor	0.00	0.00	0.00	0.00	0.00	0.00	14.10	0.00	2.76	0.00	2.63	4.72	**24.21**
Pahang	1.03	0.00	9.56	0.00	0.00	0.00	315.63	0.00	668.99	0.00	4.32	12.46	**1,011.99**
Terengganu	14.23	0.00	0.00	0.00	0.00	4.45	641.64	0.06	98.70	0.00	456.35	23.20	**1,238.63**
Kelantan	0.86	0.00	0.01	0.00	0.00	0.50	18.58	0.16	13.38	0.00	0.00	0.44	**33.93**
Sarawak	0.00	0.12	0.00	0.00	0.00	0.00	69.06	0.00	3.71	0.00	0.00	0.28	**73.17**
Sabah	0.00	0.00	0.00	0.00	0.00	23.36	35.04	0.00	0.00	0.00	0.00	0.00	**58.40**
Jumlah/*Total*	**17.37**	**0.12**	**10.07**	**0.00**	**0.00**	**28.55**	**1,677.67**	**3.82**	**809.06**	**0.00**	**507.93**	**155.90**	**3,210.49**

Nota: Pelbagai-Termasuk ikan haruan, sepat siam dan lain-lain

Note: Micellaneous-Includes snake head, snakeskin gouramy and others

MALAYSIA

ANGGARAN NILAI BORONG PENGELUARAN IKAN DARI SANGKAR AIR TAWAR MENGIKUT NEGERI DAN SPESIS, 2001

ESTIMATED WHOLESALE VALUE OF FISH PRODUCTION FROM FRESHWATER CAGES BY STATE AND SPECIES, 2001

(RM '000)

Negeri *State*	**Lampam Jawa** *Javanese Carp*	**Lee Koh** *Common Carp*	**Kap Rumput** *Grass Carp*	**Kap Kepala Besar** *Big Head Carp*	**Ketutu** *Goby*	**Tilapia Hitam** *Black Tilapia*	**Tilapia Merah** *Red Tilapia*	**Jelawat** *River Carp*	**Patin** *River Catfish*	**Toman** *Giant Snakehead*	**Baung** *River Catfish*	**Pelbagai** *Miscell-aneous*	**Jumlah** *Total*
Perlis	0.00	0.00	0.00	0.00	0.00	0.00	74.00	0.00	0.00	0.00	0.00	0.00	**74.00**
Kedah	0.00	0.00	0.00	0.00	0.00	0.82	329.25	0.00	0.00	0.00	0.00	0.00	**330.07**
Pulau Pinang	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
Perak	5.05	0.00	0.00	0.00	0.00	0.00	822.60	20.77	69.01	0.00	372.66	252.60	**1,542.69**
Selangor	0.00	0.00	0.00	0.00	0.00	0.00	64.36	0.36	5.31	0.00	0.00	16.38	**86.41**
Negeri Sembilan	0.00	0.00	0.00	0.00	0.00	0.00	387.09	0.00	0.00	0.00	0.00	0.00	**387.09**
Melaka	0.00	0.00	2.20	0.00	0.00	0.00	634.16	0.00	0.31	0.00	0.00	125.70	**762.37**
Johor	0.00	0.00	0.00	0.00	0.00	0.00	58.09	0.00	12.61	0.00	23.78	23.65	**118.13**
Pahang	5.96	0.00	52.01	0.00	0.00	0.00	1,704.40	0.00	6,796.94	0.00	63.89	36.76	**8,659.96**
Terengganu	61.19	0.00	0.00	0.00	0.00	19.71	2,842.47	0.39	534.95	0.00	3,130.56	64.96	**6,654.23**
Kelantan	4.48	0.00	0.05	0.00	0.00	2.00	83.61	1.30	56.60	0.00	0.00	1.84	**149.88**
Sarawak	0.00	0.73	0.00	0.00	0.00	0.00	386.74	0.00	20.41	0.00	0.00	2.24	**410.12**
Sabah	0.00	0.00	0.00	0.00	0.00	186.88	280.32	0.00	0.00	0.00	0.00	0.00	**467.20**
Jumlah/*Total*	**76.68**	**0.73**	**54.26**	**0.00**	**0.00**	**209.41**	**7,667.09**	**22.82**	**7,496.14**	**0.00**	**3,590.89**	**524.13**	**19,642.15**

Nota: Pelbagai-Termasuk ikan haruan, sepat siam dan lain-lain

Note: Micellaneous-Includes snake head, snakeskin gouramy and others

MALAYSIA

ANGGARAN NILAI RUNCIT PENGELUARAN IKAN DARI SANGKAR AIR TAWAR MENGIKUT NEGERI DAN SPESIS, 2001

ESTIMATED RETAIL VALUE OF FISH PRODUCTION FROM FRESHWATER CAGES BY STATE AND SPECIES, 2001

(RM '000)

Negeri *State*	**Lampam Jawa** *Javanese Carp*	**Lee Koh** *Common Carp*	**Kap Rumput** *Grass Carp*	**Kap Kepala Besar** *Big Head Carp*	**Ketutu** *Goby*	**Tilapia Hitam** *Black Tilapia*	**Tilapia Merah** *Red Tilapia*	**Jelawat** *River Carp*	**Patin** *River Catfish*	**Toman** *Giant Snakehead*	**Baung** *River Catfish*	**Pelbagai** *Miscell-aneous*	**Jumlah** *Total*
Perlis	0.00	0.00	0.00	0.00	0.00	0.00	92.50	0.00	0.00	0.00	0.00	0.00	**92.50**
Kedah	0.00	0.00	0.00	0.00	0.00	1.24	462.42	0.00	0.00	0.00	0.00	0.00	**463.66**
Pulau Pinang	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
Perak	7.71	0.00	0.00	0.00	0.00	0.00	1,175.76	30.25	112.56	0.00	554.75	357.85	**2,238.88**
Selangor	0.00	0.00	0.00	0.00	0.00	0.00	86.79	0.49	8.83	0.00	0.00	19.44	**115.55**
Negeri Sembilan	0.00	0.00	0.00	0.00	0.00	0.00	602.37	0.00	0.00	0.00	0.00	0.00	**602.37**
Melaka	0.00	0.00	2.75	0.00	0.00	0.00	827.56	0.00	0.43	0.00	0.00	164.42	**995.16**
Johor	0.00	0.00	0.00	0.00	0.00	0.00	82.06	0.00	18.49	0.00	32.90	33.32	**166.77**
Pahang	6.65	0.00	57.93	0.00	0.00	0.00	2,105.25	0.00	7,740.21	0.00	75.95	52.96	**10,038.95**
Terengganu	64.04	0.00	0.00	0.00	0.00	23.72	3,644.52	0.45	592.20	0.00	3,728.38	80.50	**8,133.81**
Kelantan	6.02	0.00	0.07	0.00	0.00	2.74	113.15	1.69	78.14	0.00	0.00	2.48	**204.29**
Sarawak	0.00	0.98	0.00	0.00	0.00	0.00	538.67	0.00	27.45	0.00	0.00	2.80	**569.90**
Sabah	0.00	0.00	0.00	0.00	0.00	233.60	350.40	0.00	0.00	0.00	0.00	0.00	**584.00**
Jumlah*/Total*	**84.42**	**0.98**	**60.75**	**0.00**	**0.00**	**261.30**	**10,081.45**	**32.88**	**8,578.31**	**0.00**	**4,391.98**	**713.77**	**24,205.84**

Nota: Pelbagai-Termasuk ikan haruan, sepat siam dan lain-lain

Note: Micellaneous-Includes snake head, snakeskin gouramy and others

Jadual*(Table)* 18.1

MALAYSIA

BILANGAN DAN LUAS TANGKI SIMEN YANG DIUSAHAKAN SERTA BILANGAN PENTERNAK MENGIKUT KAUM DAN NEGERI, 2001

NUMBER AND AREA OF CEMENT TANKS IN OPERATION AND NUMBER OF CULTURISTS BY RACE AND STATE, 2001

Negeri *State*	**Tangki Simen** *Cement Tanks*		**Bilangan Penternak** *No. Of Culturists*				
	Bilangan *Number*	**Luas m2)** *Area(m2)*	**Bumiputera** *Bumiputeras*	**Cina** *Chinese*	**India** *Indian*	**Lain-Lain** *Others*	**Jumlah** *Total*
Perlis	9	345.00	3	0	0	0	**3**
Kedah	264	1,878.04	5	0	0	0	**5**
Pulau Pinang	0	0.00	0	0	0	0	**0**
Perak	40	11,500.00	10	2	0	0	**12**
Selangor	142	28,315.66	16	2	2	1	**21**
Negeri Sembilan	69	3,414.51	20	0	0	0	**20**
Melaka	9	1,212.32	2	2	0	0	**4**
Johor	139	3,236.70	28	0	0	0	**28**
Pahang	37	226.64	7	1	0	0	**8**
Terengganu	207	3,807.56	74	1	0	0	**75**
Kelantan	54	998.74	25	0	0	0	**25**
Sarawak	250	1,500.00	5	0	0	0	**5**
Sabah	509	24,720.75	5	25	0	97	**127**
Jumlah*/Total*	**1,729**	**81,155.92**	**200**	**33**	**2**	**98**	**333**

Jadual*(Table)* **18.2**

MALAYSIA

ANGGARAN PENGELUARAN IKAN DARI TANGKI SIMEN MENGIKUT NEGERI DAN SPESIS, 2001

ESTIMATED FISH PRODUCTION FROM CEMENT TANKS BY STATE AND SPECIES, 2001

(TAN METRIK/*TONNES)*

Negeri *State*	**Keli** *Freshwater Catfish*	**Tilapia Merah** *Red Tilapia*	**Tilapia Hitam** *Black Tilapia*	**Patin** *River Catfish*	**Lampam Jawa** *Javanese Carp*	**Pelbagai** *Miscellaneous*	**Jumlah** *Total*
Perlis	0.02	0.27	0.00	0.04	0.00	0.00	**0.33**
Kedah	4.60	0.03	0.00	0.00	0.00	0.00	**4.63**
Pulau Pinang	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
Perak	3.36	285.20	0.00	4.50	0.00	1.60	**294.66**
Selangor	4.71	389.21	0.99	0.00	0.00	4.11	**399.02**
Negeri Sembilan	28.65	0.31	0.00	0.00	0.00	0.00	**28.96**
Melaka	0.49	1.67	0.00	0.00	0.00	0.00	**2.16**
Johor	30.63	2.76	0.00	0.00	0.00	2.07	**35.46**
Pahang	0.00	3.00	0.00	0.00	0.00	0.00	**3.00**
Terengganu	44.50	0.98	0.00	0.00	0.00	0.00	**45.48**
Kelantan	12.75	8.14	1.30	0.00	0.00	0.64	**22.83**
Sarawak	0.25	4.06	0.00	0.00	0.00	1.57	**5.88**
Sabah	0.00	11.87	7.91	0.00	0.00	0.00	**19.78**
Jumlah*/total*	**129.96**	**707.50**	**10.20**	**4.54**	**0.00**	**9.99**	**862.19**

Nota: Pelbagai-Termasuk ikan haruan, sepat siam dan lain-lain

Note: Micellaneous-Includes snake head, snakeskin gouramy and others

Jadual*(Table)* **18.3**

MALAYSIA

ANGGARAN NILAI BORONG PENGELUARAN IKAN DARI TANGKI SIMEN MENGIKUT NEGERI DAN SPESIS, 2001

ESTIMATED WHOLESALE VALUE OF FISH PRODUCTION FROM CEMENT TANKS BY STATE AND SPECIES, 2001

(RM ' 000)

Negeri *State*	**Keli** *Freshwater Catfish*	**Tilapia Merah** *Red Tilapia*	**Tilapia Hitam** *Black Tilapia*	**Patin** *River Catfish*	**Lampam Jawa** *Javanese Carp*	**Pelbagai** *Miscellaneous*	**Jumlah** *Total*
Perlis	0.06	1.08	0.00	0.16	0.00	0.00	**1.30**
Kedah	14.31	0.12	0.00	0.00	0.00	0.00	**14.43**
Pulau Pinang	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
Perak	9.74	1,089.46	0.00	15.98	0.00	4.80	**1,119.98**
Selangor	12.53	1,708.63	3.47	0.00	0.00	12.33	**1,736.96**
Negeri Sembilan	89.39	1.16	0.00	0.00	0.00	0.00	**90.55**
Melaka	1.10	7.06	0.00	0.00	0.00	0.00	**8.16**
Johor	83.62	11.37	0.00	0.00	0.00	10.37	**105.36**
Pahang	0.00	16.20	0.00	0.00	0.00	0.00	**16.20**
Terengganu	184.23	4.34	0.00	0.00	0.00	0.00	**188.57**
Kelantan	50.24	36.63	5.19	0.00	0.00	2.68	**94.74**
Sarawak	1.48	22.74	0.00	0.00	0.00	12.16	**36.38**
Sabah	0.00	94.96	63.28	0.00	0.00	0.00	**158.24**
Jumlah*/total*	**446.70**	**2,993.75**	**71.94**	**16.14**	**0.00**	**42.34**	**3,570.87**

Nota: Pelbagai-Termasuk ikan haruan, sepat siam dan lain-lain

Note: Micellaneous-Includes snake head, snakeskin gouramy and others

MALAYSIA

ANGGARAN NILAI RUNCIT PENGELUARAN IKAN DARI TANGKI SIMEN MENGIKUT NEGERI DAN SPESIS, 2001

ESTIMATED RETAIL VALUE OF FISH PRODUCTION FROM CEMENT TANKS BY STATE AND SPECIES, 2001

(RM ' 000)

Negeri *State*	**Keli** *Freshwater Catfish*	**Tilapia Merah** *Red Tilapia*	**Tilapia Hitam** *Black Tilapia*	**Patin** *River Catfish*	**Lampam Jawa** *Javanese Carp*	**Pelbagai** *Miscellaneous*	**Jumlah** *Total*
Perlis	0.08	1.35	0.00	0.20	0.00	0.00	**1.63**
Kedah	24.61	0.17	0.00	0.00	0.00	0.00	**24.78**
Pulau Pinang	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
Perak	15.09	1,557.19	0.00	26.06	0.00	6.80	**1,605.14**
Selangor	20.06	2,304.12	4.79	0.00	0.00	14.63	**2,343.60**
Negeri Sembilan	147.83	1.80	0.00	0.00	0.00	0.00	**149.63**
Melaka	2.04	9.22	0.00	0.00	0.00	0.00	**11.26**
Johor	136.00	16.06	0.00	0.00	0.00	14.61	**166.67**
Pahang	0.00	20.01	0.00	0.00	0.00	0.00	**20.01**
Terengganu	194.91	5.57	0.00	0.00	0.00	0.00	**200.48**
Kelantan	71.91	49.57	7.11	0.00	0.00	3.60	**132.19**
Sarawak	1.98	31.67	0.00	0.00	0.00	15.70	**49.35**
Sabah	0.00	118.70	79.10	0.00	0.00	0.00	**197.80**
Jumlah*/total*	**614.51**	**4,115.43**	**91.00**	**26.26**	**0.00**	**55.34**	**4,902.54**

Nota: Pelbagai-Termasuk ikan haruan, sepat siam dan lain-lain

Note: Micellaneous-Includes snake head, snakeskin gouramy and others

Jadual*(Table)* 19.1

MALAYSIA

BILANGAN DAN LUAS KANDANG IKAN YANG DIUSAHAKAN SERTA BILANGAN PENTERNAK MENGIKUT KAUM DAN NEGERI, 2001

NUMBER AND AREA OF PEN CULTURE IN OPERATION AND NUMBER OF CULTURISTS BY RACE AND STATE, 2001

Negeri *State*	**Kandang ikan** *Pen Culture*		**Bilangan Penternak** *No. Of Culturists*				
	Bilangan *Number*	**Luas (Ha)** *Area(Ha)*	**Bumiputera** *Bumiputeras*	**Cina** *Chinese*	**India** *Indian*	**Lain-Lain** *Others*	**Jumlah** *Total*
Perlis	0	0.00	0	0	0	0	**0**
Kedah	23	2.02	13	0	0	1	**14**
Pulau Pinang	0	0.00	0	0	0	0	**0**
Perak	122	13.43	94	0	0	0	**94**
Selangor	0	0.00	0	0	0	0	**0**
Negeri Sembilan	0	0.00	0	0	0	0	**0**
Melaka	0	0.00	0	0	0	0	**0**
Johor	0	0.00	0	0	0	0	**0**
Pahang	0	0.00	0	0	0	0	**0**
Terengganu	6	3.00	3	0	0	0	**3**
Kelantan	469	80.69	444	0	0	0	**444**
Sarawak	0	0.00	0	0	0	0	**0**
Sabah	0	0.00	0	0	0	0	**0**
Jumlah*/Total*	**620**	**99.14**	**554**	**0**	**0**	**1**	**555**

MALAYSIA

ANGGARAN PENGELUARAN IKAN DARI KANDANG AIR TAWAR MENGIKUT NEGERI DAN SPESIS, 2001

ESTIMATED FISH PRODUCTION FROM FRESHWATER PEN CULTURE BY STATE AND SPECIES, 2001

(TAN METRIK/*TONNES*)

Negeri *State*	**Lampam Jawa** *Javanese Carp*	**Lee Koh** *Commom Carp*	**Kap Rumput** *Grass Carp*	**Kap Kepala Besar** *Big Head Carp*	**Ketutu** *Goby*	**Tilapia Hitam** *Black Tilapia*	**Tilapia Merah** *Red Tilapia*	**Jelawat** *River Carp*	**Keli** *Freshwater Catfish*	**Udang Galah** *Giant Fresh-Water Prawn*	**Patin** *River Catfish*	**Toman** *Giant Snakehead*	**Baung** *River Catfish*	**Pelbagai** *Miscellaneous*	**Jumlah** *Total*
Perlis	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
Kedah	1.76	0.00	0.00	0.00	0.00	0.68	1.82	0.00	0.07	0.00	0.00	0.00	0.00	0.72	**5.05**
Pulau Pinang	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
Perak	8.38	0.00	5.56	0.90	0.00	0.00	113.23	4.43	0.00	0.00	23.70	0.00	0.00	8.54	**164.74**
Selangor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
Negeri Sembilan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
Melaka	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
Johor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
Pahang	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
Terengganu	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.24	**5.24**
Kelantan	4.72	0.00	0.00	0.00	0.00	0.00	137.40	0.00	0.33	0.00	92.37	0.00	52.95	3.77	**291.54**
Sarawak	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
Sabah	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
Jumlah/*Total*	**14.86**	**0.00**	**5.56**	**0.90**	**0.00**	**0.68**	**252.45**	**4.43**	**0.40**	**0.00**	**116.07**	**0.00**	**52.95**	**18.27**	**466.57**

Nota: Pelbagai-Termasuk ikan haruan, sepat siam dan lain-lain

Note: Micellaneous-Includes snake head, snakeskin gouramy and others

Jadual(Table) **19.3**

MALAYSIA

ANGGARAN NILAI BORONG PENGELUARAN IKAN DARI KANDANG AIR TAWAR MENGIKUT NEGERI DAN SPESIS, 2001

ESTIMATED WHOLESALE VALUE OF FISH PRODUCTION FROM FRESHWATER PEN CULTURE BY STATE AND SPECIES, 2001

(RM ' 000)

Negeri *State*	Lampam Jawa *Javanese Carp*	Lee Koh *Common Carp*	Kap Rumput *Grass Carp*	Kap Kepala Besar *Big Head Carp*	Udang Galah *Giant Fresh-water Prawn*	Ketutu *Goby*	Tilapia Hitam *Black Tilapia*	Tilapia Merah *Red Tilapia*	Jelawat *River Carp*	Keli *Freshwater Catfish*	Patin *River Catfish*	Toman Giant SnakeHead	Baung *River Catfish*	Pelbagai *Miscell-aneous*	Jumlah *Total*
Perlis	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Kedah	6.81	0.00	0.00	0.00	0.00	0.00	2.33	7.33	0.00	0.22	0.00	0.00	0.00	2.15	18.84
Pulau Pinang	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Perak	33.86	0.00	27.97	2.14	0.00	0.00	0.00	432.54	25.92	0.00	84.14	0.00	0.00	25.62	632.19
Selangor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Negeri Sembilan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Melaka	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Johor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Pahang	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Terengganu	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	14.67	14.67
Kelantan	24.59	0.00	0.00	0.00	0.00	0.00	0.00	618.30	0.00	1.30	390.73	0.00	466.49	15.76	1,517.17
Sarawak	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sabah	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Jumlah/*Total*	**65.26**	**0.00**	**27.97**	**2.14**	**0.00**	**0.00**	**2.33**	**1,058.17**	**25.92**	**1.52**	**474.87**	**0.00**	**466.49**	**58.20**	**2,182.87**

Nota: Pelbagai-Termasuk ikan haruan, sepat siam dan lain-lain

Note: Micellaneous-Includes snake head, snakeskin gouramy and others

MALAYSIA

ANGGARAN NILAI RUNCIT PENGELUARAN IKAN DARI KANDANG AIR TAWAR MENGIKUT NEGERI DAN SPESIS, 2001

ESTIMATED RETAIL VALUE OF FISH PRODUCTION FROM FRESHWATER PEN CULTURE BY STATE AND SPECIES, 2001

(RM ' 000)

Negeri *State*	Lampam Jawa *Javanese Carp*	Lee Koh *Common Carp*	Kap Rumput *Grass Carp*	Kap Kepala Besar *Big Head Carp*	Udang Galah *Giant Fresh-water Prawn*	Ketutu *Goby*	Tilapia Hitam *Black Tilapia*	Tilapia Merah *Red Tilapia*	Jelawat *River Carp*	Keli *Freshwater Catfish*	Patin *River Catfish*	Toman Giant SnakeHead	Baung *River Catfish*	Pelbagai *Miscell-aneous*	Jumlah *Total*
Perlis	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
Kedah	9.56	0.00	0.00	0.00	0.00	0.00	3.52	10.30	0.00	0.37	0.00	0.00	0.00	3.35	**27.10**
Pulau Pinang	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
Perak	51.70	0.00	41.26	3.83	0.00	0.00	0.00	618.24	37.74	0.00	137.22	0.00	0.00	36.30	**926.29**
Selangor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
Negeri Sembilan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
Melaka	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
Johor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
Pahang	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
Terengganu	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18.18	**18.18**
Kelantan	33.04	0.00	0.00	0.00	0.00	0.00	0.00	836.77	0.00	1.86	539.44	0.00	598.86	21.23	**2,031.20**
Sarawak	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
Sabah	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
Jumlah*/Total*	**94.30**	**0.00**	**41.26**	**3.83**	**0.00**	**0.00**	**3.52**	**1,465.31**	**37.74**	**2.23**	**676.66**	**0.00**	**598.86**	**79.06**	**3,002.77**

Nota: Pelbagai-Termasuk ikan haruan, sepat siam dan lain-lain

Note: Micellaneous-Includes snake head, snakeskin gouramy and others

Jadual*(Table)* **20.1**

MALAYSIA

BILANGAN DAN LUAS KOLAM AIR PAYAU/MASIN YANG DIUSAHAKAN SERTA BILANGAN PENTERNAK MENGIKUT KAUM DAN NEGERI, 2001

NUMBER AND AREA OF BRACKISHWATER PONDS IN OPERATION AND NUMBER OF CULTURISTS BY RACE AND STATE, 2001

Negeri *State*	**Kolam Air Payau** *Brackishwater Ponds*		**Bilangan Penternak** *No. Of Culturists*				
	Bilangan *Number*	**Luas (Ha)** *Area(Ha)*	**Bumiputera** *Bumiputeras*	**Cina** *Chinese*	**India** *Indian*	**Lain-Lain** *Others*	**Jumlah** *Total*
Perlis	49	36.50	8	3	0	0	**11**
Kedah	980	703.16	89	23	1	39	**152**
Pulau Pinang	394	268.10	45	110	8	37	**200**
Perak	1,359	1,018.11	42	56	5	63	**166**
Selangor	848	434.44	94	33	0	28	**155**
Negeri Sembilan	102	81.65	0	5	0	0	**5**
Melaka	77	43.07	17	0	0	1	**18**
Johor	970	762.40	30	67	0	6	**103**
Pahang	564	1,027.17	11	2	2	3	**18**
Terengganu	275	73.51	60	2	0	0	**62**
Kelantan	106	40.18	41	4	0	1	**46**
Sarawak	1,559	961.39	60	51	0	39	**150**
Sabah	2,143	3,376.05	2	86	0	101	**189**
Jumlah*/Total*	**9,426**	**8,825.73**	**499**	**442**	**16**	**318**	**1,275**

Jadual*(Table)* 20.2

MALAYSIA

ANGGARAN PENGELUARAN IKAN DARI KOLAM AIR PAYAU/MASIN MENGIKUT NEGERI DAN SPESIS, 2001

ESTIMATED FISH PRODUCTION FROM BRACKISHWATER PONDS BY STATE AND SPECIES, 2001

(TAN METRIK/*TONNES)*

Negeri *State*	**Siakap** *Barramundi*	**Banding** *Milkfish*	**Kerapu** *Grouper*	**Jenahak** *Mangrove Snapper*	**Udang Putih** *Banana Prawn*	**Udang Harimau** *Tiger Prawn*	**Ketam** *Mud Crab*	**Tilapia Merah** *Red Tilapia*	**Pelbagai** *Miscellaneous*	**Jumlah** *Total*
Perlis	2.68	0.00	0.00	0.00	0.00	36.70	0.00	0.00	0.00	**39.38**
Kedah	72.98	0.00	14.09	20.50	0.35	754.94	0.32	0.75	0.00	**863.93**
Pulau Pinang	292.58	113.35	8.03	5.27	0.00	305.80	0.00	28.42	0.00	**753.45**
Perak	72.00	0.00	0.00	0.00	0.00	5,356.80	0.00	0.00	24.99	**5,453.79**
Selangor	25.30	0.00	0.00	0.00	23.35	1,751.24	0.00	0.46	451.10	**2,251.45**
Negeri Sembilan	0.00	0.00	0.00	0.00	0.00	317.30	0.00	0.00	0.00	**317.30**
Melaka	0.00	0.00	0.00	0.00	22.27	73.39	0.00	0.00	0.00	**95.66**
Johor	383.55	0.00	52.18	135.06	615.97	3,055.42	0.00	1.20	165.50	**4,408.88**
Pahang	0.00	0.00	0.00	0.00	0.00	4,777.39	0.00	0.00	0.00	**4,777.39**
Terengganu	32.05	0.00	0.00	0.00	0.00	157.05	1.85	1.94	0.17	**193.06**
Kelantan	15.78	0.00	0.00	0.00	0.00	139.74	0.00	9.42	0.00	**164.94**
Sarawak	3.30	0.00	0.00	0.00	0.00	4,184.98	0.00	1.20	0.00	**4,189.48**
Sabah	79.46	0.00	0.00	0.00	0.00	5,440.54	0.00	119.18	0.00	**5,639.18**
Jumlah/*Total*	**979.68**	**113.35**	**74.30**	**160.83**	**661.94**	**26,351.29**	**2.17**	**162.57**	**641.76**	**29,147.89**

Nota: Pelbagai - Termasuk ikan banding, tanda, dengkis, cermin, talang dan lain-lain

Note: Miscellaneous - Includes milkfish, snapper, rabbitfish, horse mackeral, queenfish and others

Jadual*(Table)* **20.3**

MALAYSIA

ANGGARAN NILAI BORONG PENGELUARAN IKAN DARI KOLAM AIR PAYAU/MASIN MENGIKUT NEGERI DAN SPESIS, 2001

ESTIMATED WHOLESALE VALUE OF FISH PRODUCTION FROM BRACKISHWATER PONDS BY STATE AND SPECIES, 2001

(RM ' 000)

Negeri *State*	**Siakap** *Barramundi*	**Banding** *Milkfish*	**Kerapu** *Grouper*	**Jenahak** *Mangrove Snapper*	**Udang Putih** *Banana Prawn*	**Udang Harimau** *Tiger Prawn*	**Ketam** *Mud Crab*	**Tilapia Merah** *Red Tilapia*	**Pelbagai** *Miscellaneous*	**Jumlah** *Total*
Perlis	27.18	0.00	0.00	0.00	0.00	746.11	0.00	0.00	0.00	**773.29**
Kedah	815.92	0.00	351.55	246.00	1.05	18,458.28	2.57	3.25	0.00	**19,878.62**
Pulau Pinang	3,335.41	1,182.24	244.51	69.04	0.00	7,265.81	0.00	120.22	0.00	**12,217.23**
Perak	951.84	0.00	0.00	0.00	0.00	137,830.46	0.00	0.00	199.92	**138,982.22**
Selangor	306.89	0.00	0.00	0.00	793.90	41,189.16	0.00	2.21	2,029.95	**44,322.11**
Negeri Sembilan	0.00	0.00	0.00	0.00	0.00	9,281.03	0.00	0.00	0.00	**9,281.03**
Melaka	0.00	0.00	0.00	0.00	575.90	1,960.25	0.00	0.00	0.00	**2,536.15**
Johor	5,059.02	0.00	1,473.04	2,031.30	17,567.46	83,382.41	0.00	6.00	2,700.96	**112,220.19**
Pahang	0.00	0.00	0.00	0.00	0.00	128,798.43	0.00	0.00	0.00	**128,798.43**
Terengganu	368.58	0.00	0.00	0.00	0.00	2,944.69	8.10	8.63	0.16	**3,330.16**
Kelantan	180.52	0.00	0.00	0.00	0.00	5,340.86	0.00	58.03	0.00	**5,579.41**
Sarawak	26.40	0.00	0.00	0.00	0.00	117,179.44	0.00	7.20	0.00	**117,213.04**
Sabah	635.68	0.00	0.00	0.00	0.00	190,418.90	0.00	834.26	0.00	**191,888.84**
Jumlah/*Total*	**11,707.44**	**1,182.24**	**2,069.10**	**2,346.34**	**18,938.31**	**744,795.83**	**10.67**	**1,039.80**	**4,930.99**	**787,020.72**

Nota: Pelbagai - Termasuk ikan banding, tanda, dengkis, cermin, talang dan lain-lain

Note: Miscellaneous - Includes milkfish, snapper, rabbitfish, horse mackeral, queenfish and others

Jadual*(Table)* **20.4**

MALAYSIA

ANGGARAN NILAI RUNCIT PENGELUARAN IKAN DARI KOLAM AIR PAYAU/MASIN MENGIKUT NEGERI DAN SPESIS, 2001

ESTIMATED RETAIL VALUE OF FISH PRODUCTION FROM BRACKISHWATER PONDS BY STATE AND SPECIES, 2001

(RM ' 000)

Negeri *State*	**Siakap** *Barramundi*	**Banding** *Milkfish*	**Kerapu** *Grouper*	**Jenahak** *Mangrove Snapper*	**Udang Putih** *Banana Prawn*	**Udang Harimau** *Tiger Prawn*	**Ketam** *Mud Crab*	**Tilapia Merah** *Red Tilapia*	**Pelbagai** *Miscellaneous*	**Jumlah** *Total*
Perlis	33.04	0.00	0.00	0.00	0.00	942.09	0.00	0.00	0.00	**975.13**
Kedah	1,056.75	0.00	408.61	363.47	1.75	22,965.27	4.53	4.00	0.00	**24,804.38**
Pulau Pinang	3,917.65	1,182.24	282.58	79.89	0.00	8,730.59	0.00	167.68	0.00	**14,360.63**
Perak	1,175.76	0.00	0.00	0.00	0.00	170,078.40	0.00	0.00	199.92	**171,454.08**
Selangor	367.36	0.00	0.00	0.00	945.68	47,476.12	0.00	3.05	2,377.30	**51,169.51**
Negeri Sembilan	0.00	0.00	0.00	0.00	0.00	10,842.14	0.00	0.00	0.00	**10,842.14**
Melaka	0.00	0.00	0.00	0.00	645.83	2,345.54	0.00	0.00	0.00	**2,991.37**
Johor	6,600.90	0.00	1,794.99	2,637.72	23,647.09	101,501.05	0.00	7.80	3,662.52	**139,852.07**
Pahang	0.00	0.00	0.00	0.00	0.00	147,095.84	0.00	0.00	0.00	**147,095.84**
Terengganu	438.12	0.00	0.00	0.00	0.00	3,101.74	10.03	10.40	0.18	**3,560.47**
Kelantan	194.73	0.00	0.00	0.00	0.00	5,857.90	0.00	70.56	0.00	**6,123.19**
Sarawak	49.50	0.00	0.00	0.00	0.00	146,474.30	0.00	9.60	0.00	**146,533.40**
Sabah	794.60	0.00	0.00	0.00	0.00	244,824.30	0.00	953.44	0.00	**246,572.34**
Jumlah*/Total*	**14,628.41**	**1,182.24**	**2,486.18**	**3,081.08**	**25,240.35**	**912,235.28**	**14.56**	**1,226.53**	**6,239.92**	**966,334.55**

Nota: Pelbagai - Termasuk ikan banding, tanda, dengkis, cermin, talang dan lain-lain

Note: Miscellaneous - Includes milkfish, snapper, rabbitfish, horse mackeral, queenfish and others

Jadual*(Table)* **21.1**

MALAYSIA

BILANGAN DAN LUAS SANGKAR AIR PAYAU/MASIN YANG DIUSAHAKAN SERTA BILANGAN PENTERNAK MENGIKUT KAUM DAN NEGERI, 2001

NUMBER AND AREA OF BRACKISHWATER CAGES IN OPERATION AND NUMBER OF CULTURISTS BY RACE AND STATE, 2001

Negeri *State*	**Sangkar Air payau** *Brackishwater Cages*		**Bilangan Penternak** *No. Of Culturists*				
	Bilangan *Number*	**Luas (m2)** *Area(m2)*	**Bumiputera** *Bumiputeras*	**Cina** *Chinese*	**India** *Indian*	**Lain-Lain** *Others*	**Jumlah** *Total*
Perlis	50	125.00	0	1	0	0	**1**
Kedah	3,611	42,083.98	95	21	0	3	**119**
Pulau Pinang	26,783	246,608.00	123	221	7	4	**355**
Perak	20,684	183,200.00	6	190	1	0	**197**
Selangor	6,812	114,984.05	6	31	0	0	**37**
Negeri Sembilan	15	140.00	1	0	0	0	**1**
Melaka	264	5,399.08	1	2	0	0	**3**
Johor	7,384	164,978.80	84	100	3	4	**191**
Pahang	153	5,345.00	17	2	0	0	**19**
Terengganu	1113	17,524.52	79	1	2	0	**82**
Kelantan	1,191	39,793.86	176	3	0	2	**181**
Sarawak	671	6,197.52	261	0	0	0	**261**
Sabah	2,318	122,179.02	0	28	0	328	**356**
Jumlah/*Total*	**71,049**	**948,558.83**	**849**	**600**	**13**	**341**	**1,803**

Jadual*(Table)* **21.2**

MALAYSIA

ANGGARAN PENGELUARAN IKAN DARI SANGKAR AIR PAYAU/MASIN MENGIKUT NEGERI DAN SPESIS, 2001

ESTIMATED FISH PRODUCTION FROM BRACKISHWATER CAGES BY STATE AND SPECIES, 2001

(TAN METRIK/*TONNES)*

Negeri *State*	**Siakap** *Barramundi*	**Siakap Merah** *Mangrove Red Snapper*	**Kerapu** *Grouper*	**Jenahak** *Mangrove Snapper*	**Merah** *Red Snapper*	**Udang Putih** *Banana Prawn*	**Udang Harimau** *Tiger Prawn*	**Ketam** *Mud Crab*	**Ketam Telur** *Berried Crabs*	**Tilapia Merah** *Red Tilapia*	**Pelbagai** *Miscellaneous*	**Jumlah** *Total*
Perlis	0.00	0.00	0.00	0.00	0.00	0.00	0.00	77.75	0.00	0.00	0.00	**77.75**
Kedah	523.31	0.00	192.76	208.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**924.80**
Pulau Pinang	730.28	505.17	176.01	221.89	402.29	0.00	0.00	42.22	15.39	0.00	0.00	**2,093.25**
Perak	390.22	110.53	70.26	51.58	0.00	0.00	0.00	80.21	0.00	0.35	5.25	**708.40**
Selangor	183.86	65.94	15.76	154.52	156.29	0.00	0.00	1.06	0.00	0.00	227.23	**804.66**
Negeri Sembilan	0.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.60**
Melaka	1.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	92.25	0.00	**93.75**
Johor	635.07	0.00	212.62	690.26	0.00	0.00	0.00	0.00	0.00	0.00	340.82	**1,878.77**
Pahang	14.04	0.00	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.60	0.00	**16.64**
Terengganu	86.30	0.00	1.46	0.00	2.90	0.00	0.00	0.00	0.00	17.01	2.38	**110.05**
Kelantan	262.25	0.00	11.08	0.00	0.00	0.00	0.00	0.00	0.00	8.73	0.00	**282.06**
Sarawak	51.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**51.33**
Sabah	202.76	0.00	344.91	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.14	**549.81**
Jumlah/*Total*	**3,081.52**	**681.64**	**1,026.86**	**1,326.98**	**561.48**	**0.00**	**0.00**	**201.24**	**15.39**	**118.94**	**577.82**	**7,591.87**

Nota: Pelbagai - Termasuk ikan tanda, dengkis, cermin, talang dan lain-lain

Note: Miscellaneous - Includes snapper, rabbitfish, horse mackeral, queenfish and others

Jadual*(Table)* **21.3**

MALAYSIA

ANGGARAN NILAI BORONG PENGELUARAN IKAN DARI SANGKAR AIR PAYAU/MASIN MENGIKUT NEGERI DAN SPESIS, 2001

ESTIMATED WHOLESALE VALUE OF FISH PRODUCTION FROM BRACKISHWATER CAGES BY STATE AND SPECIES, 2001

(RM ' 000)

Negeri *State*	**Siakap** *Barramundi*	**Siakap Merah** Mangrove *Red Snapper*	**Kerapu** *Grouper*	**Jenahak** *Mangrove Snapper*	**Merah** *Red Snapper*	**Udang Putih** *Banana Prawn*	**Udang Harimau** *Tiger Prawn*	**Ketam** *Mud Crab*	**Ketam Telur** *Berried Crabs*	**Tilapia Merah** *Red Tilapia*	**Pelbagai** *Miscellaneous*	**Jumlah** *Total*
Perlis	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,088.50	0.00	0.00	0.00	**1,088.50**
Kedah	5,850.61	0.00	4,809.36	2,504.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**13,164.73**
Pulau Pinang	8,325.19	5,789.25	5,359.50	2,906.76	5,567.69	0.00	0.00	670.88	301.34	0.00	0.00	**28,920.61**
Perak	5,158.71	1,309.78	2,043.16	862.93	0.00	0.00	0.00	1,085.24	0.00	1.70	42.00	**10,503.52**
Selangor	2,230.22	513.01	370.36	2,191.09	2,125.54	0.00	0.00	14.49	0.00	0.00	1,022.54	**8,467.25**
Negeri Sembilan	7.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**7.75**
Melaka	21.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	464.94	0.00	**485.94**
Johor	8,376.57	0.00	6,002.26	10,381.51	0.00	0.00	0.00	0.00	0.00	0.00	5,562.18	**30,322.52**
Pahang	163.85	0.00	40.64	0.00	0.00	0.00	0.00	0.00	0.00	2.55	0.00	**207.04**
Terengganu	992.45	0.00	27.62	0.00	34.80	0.00	0.00	0.00	0.00	75.69	2.19	**1,132.75**
Kelantan	3,000.14	0.00	228.03	0.00	0.00	0.00	0.00	0.00	0.00	53.78	0.00	**3,281.95**
Sarawak	410.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**410.64**
Sabah	1,622.08	0.00	3,104.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.49	**4,733.76**
Jumlah/*Total*	**36,159.21**	**7,612.04**	**21,985.12**	**18,847.05**	**7,728.03**	**0.00**	**0.00**	**2,859.11**	**301.34**	**598.66**	**6,636.40**	**102,726.96**

Nota: Pelbagai - Termasuk ikan tanda, dengkis, cermin, talang dan lain-lain

Note: Miscellaneous - Includes snapper, rabbitfish, horse mackeral, queenfish and others

Jadual*(Table)* **21.4**

MALAYSIA

ANGGARAN NILAI RUNCIT PENGELUARAN IKAN DARI SANGKAR AIR PAYAU/MASIN MENGIKUT NEGERI DAN SPESIS, 2001

ESTIMATED RETAIL VALUE OF FISH PRODUCTION FROM BRACKISHWATER CAGES BY STATE SPECIES, 2001

(RM ' 000)

Negeri *State*	**Siakap** *Barramundi*	**Siakap Merah** Mangrove *Red Snapper*	**Kerapu** *Grouper*	**Jenahak** *Mangrove Snapper*	**Merah** *Red Snapper*	**Udang Putih** *Banana Prawn*	**Udang Harimau** *Tiger Prawn*	**Ketam** *Mud Crab*	**Ketam Telur** *Berried Crabs*	**Tilapia Merah** *Red Tilapia*	**Pelbagai** *Miscellaneous*	**Jumlah** *Total*
Perlis	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1,244.00	0.00	0.00	0.00	**1,244.00**
Kedah	7,577.53	0.00	5,590.04	3,700.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**16,868.35**
Pulau Pinang	9,778.45	6,531.85	6,193.79	3,363.85	6,368.25	0.00	0.00	839.33	361.67	0.00	0.00	**33,437.19**
Perak	6,372.29	1,736.43	2,442.94	1,092.98	0.00	0.00	0.00	1,410.09	0.00	2.33	42.00	**13,099.06**
Selangor	2,669.65	595.44	450.11	2,408.97	2,356.85	0.00	0.00	17.31	0.00	0.00	1,197.50	**9,695.83**
Negeri Sembilan	8.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**8.95**
Melaka	26.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	738.00	0.00	**764.51**
Johor	10,929.55	0.00	7,314.13	13,480.78	0.00	0.00	0.00	0.00	0.00	0.00	7,542.35	**39,266.81**
Pahang	198.95	0.00	49.82	0.00	0.00	0.00	0.00	0.00	0.00	3.30	0.00	**252.07**
Terengganu	1,179.72	0.00	30.41	0.00	43.50	0.00	0.00	0.00	0.00	91.17	2.57	**1,347.37**
Kelantan	3,236.17	0.00	257.61	0.00	0.00	0.00	0.00	0.00	0.00	65.39	0.00	**3,559.17**
Sarawak	769.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**769.95**
Sabah	2,027.60	0.00	3,966.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.70	**6,004.77**
Jumlah/ *Total*	**44,775.32**	**8,863.72**	**26,295.32**	**24,047.36**	**8,768.60**	**0.00**	**0.00**	**3,510.73**	**361.67**	**900.19**	**8,795.12**	**126,318.03**

Nota: Pelbagai - Termasuk ikan tanda, dengkis, dermin, talang dan lain-lain

Note: Miscellaneous - Includes snapper, rabbitfish, horse mackeral, queenfish and others

Jadual*(Table)* **22.1**

MALAYSIA

BILANGAN DAN LUAS KAWASAN TERNAKAN KERANG SERTA BILANGAN PENTERNAK MENGIKUT KAUM DAN NEGERI, 2001

NUMBER AND AREA OF COCKLE CULTURE AND NUMBER OF CULTURISTS BY RACE AND STATE, 2001

Negeri *State*	**Ternakan Kerang** *Cockle Culture*		**Bilangan Penternak** *No. Of Culturists*				
	Bilangan *Number*	**Luas (Ha)** *Area(Ha)*	**Bumiputera** *Bumiputeras*	**Cina** *Chinese*	**India** *Indian*	**Lain-Lain** *Others*	**Jumlah** *Total*
Perlis	0	0.00	0	0	0	0	**0**
Kedah	5	84.01	3	0	0	2	**5**
Pulau Pinang	40	589.88	150	250	0	0	**400**
Perak	274	5,313.76	28	139	0	27	**194**
Selangor	25	654.07	16	5	0	4	**25**
Negeri Sembilan	0	0.00	0	0	0	0	**0**
Melaka	0	0.00	0	0	0	0	**0**
Johor	1	100.00	29	8	0	0	**37**
Pahang	1	8.00	12	0	0	0	**12**
Terengganu	0	0.00	0	0	0	0	**0**
Kelantan	0	0.00	0	0	0	0	**0**
Sarawak	0	0.00	0	0	0	0	**0**
Sabah	0	0.00	0	0	0	0	**0**
Jumlah*/Total*	**346**	**6,749.72**	**238**	**402**	**0**	**33**	**673**

Jadual*(Table)* **22.2**

MALAYSIA

ANGGARAN PENGELUARAN KERANG DEWASA MENGIKUT BULAN DAN NEGERI, 2001

ESTIMATED PRODUCTION OF COCKLES BY MONTH AND STATE, 2001

(TAN METRIK*/TONNES)*

Negeri *State*	**Januari** *January*	**Februari** *February*	**Mac** *March*	**April** *April*	**Mei** *May*	**Jun** *June*	**Julai** *July*	**Ogos** *August*	**September** *September*	**Oktober** *October*	**November** *November*	**Disember** *December*	**Jumlah** *Total*
Perlis	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
Kedah	55.29	35.63	0.36	2.23	91.73	74.09	70.09	49.18	78.41	114.92	36.94	39.81	**648.68**
Pulau Pinang	895.51	1,014.42	875.10	848.40	890.19	1,002.19	980.57	974.31	1,040.00	1,045.29	1,090.11	943.37	**11,599.46**
Perak	3,079.24	3,914.40	4,293.93	4,219.46	4,639.98	4,966.03	4,437.70	4,441.78	4,271.66	4,380.15	4,732.52	4,206.51	**51,583.36**
Selangor	660.21	617.02	709.57	723.06	782.56	687.53	663.66	560.44	438.58	364.12	363.20	352.11	**6,922.06**
Negeri Sembilan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
Melaka	2.00	2.00	1.00	1.20	1.80	0.08	0.20	0.00	0.00	0.10	1.00	1.00	**10.38**
Johor	11.10	5.64	2.22	0.00	0.00	7.02	7.59	0.00	0.00	5.29	5.28	7.81	**51.95**
Pahang	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
Terengganu	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
Kelantan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
Sarawak	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
Sabah	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
Jumlah*/Total*	**4,703.35**	**5,589.11**	**5,882.18**	**5,794.35**	**6,406.26**	**6,736.94**	**6,159.81**	**6,025.71**	**5,828.65**	**5,909.87**	**6,229.05**	**5,550.61**	**70,815.89**

Jadual *(Table)* 22.3

MALAYSIA
ANGGARAN PENGELUARAN BENIH KERANG MENGIKUT BULAN DAN NEGERI, 2001
ESTIMATED PRODUCTION OF COCKLE SEEDS BY MONTH AND STATE, 2001
(TAN METRIK/*TONNES*)

Negeri *State*	**Januari** *January*	**Februari** *February*	**Mac** *March*	**April** *April*	**Mei** *May*	**Jun** *June*	**Julai** *July*	**Ogos** *August*	**September** *September*	**Oktober** *October*	**November** *November*	**Disember** *December*	**Jumlah** *Total*
Perlis	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
Kedah	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
Pulau Pinang	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
Perak	0.00	0.00	932.75	115.36	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**1,048.11**
Selangor	0.00	0.00	458.17	329.49	116.94	34.72	21.52	0.00	0.00	0.00	0.00	244.24	**1,205.08**
Negeri Sembilan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
Melaka	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
Johor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
Pahang	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
Terengganu	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
Kelantan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
Sarawak	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
Sabah	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
Jumlah/*Total*	**0.00**	**0.00**	**1,390.92**	**444.85**	**116.94**	**34.72**	**21.52**	**0.00**	**0.00**	**0.00**	**0.00**	**244.24**	**2,253.19**

MALAYSIA

ANGGARAN NILAI BORONG PENGELUARAN BENIH KERANG MENGIKUT BULAN DAN NEGERI, 2001

ESTIMATED WHOLESALE VALUE OF PRODUCTION OF COCKLE SEEDS BY MONTH AND STATE, 2001

(RM ' 000)

Negeri *State*	**Januari** *January*	**Februari** *February*	**Mac** *March*	**April** *April*	**Mei** *May*	**Jun** *June*	**Julai** *July*	**Ogos** *August*	**September** *September*	**Oktober** *October*	**November** *November*	**Disember** *December*	**Jumlah** *Total*
Perlis													**0.00**
Kedah													**0.00**
Pulau Pinang													**0.00**
Perak													**0.00**
Selangor													**0.00**
Negeri Sembilan													**0.00**
Melaka													**0.00**
Johor													**0.00**
Pahang													**0.00**
Terengganu													**0.00**
Kelantan													**0.00**
Sarawak													**0.00**
Sabah													**0.00**
Jumlah/*Total*	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

Nota: Tiada maklumat
Note: Data not available

Jadual*(Table)* **23.1**

MALAYSIA

BILANGAN DAN LUAS KAWASAN TERNAKAN SIPUT SUDU SERTA BILANGAN PENTERNAK MENGIKUT KAUM DAN NEGERI, 2001

NUMBER AND AREA OF MUSSEL CULTURE AND NUMBER OF CULTURISTS BY RACE AND STATE, 2001

Negeri *State*	**Ternakan Siput Sudu** Mussel *Culture*		**Bilangan Penternak** *No. Of Culturists*				
	Bilangan *Number*	**Luas (m2)** *Area(m2)*	**Bumiputera** *Bumiputeras*	**Cina** *Chinese*	**India** *Indian*	**Lain-Lain** *Others*	**Jumlah** *Total*
Perlis	0	0.00	0	0	0	0	**0**
Kedah	18	1,500.03	5	0	0	0	**5**
Pulau Pinang	0	0.00	0	0	0	0	**0**
Perak	30	1,360.00	2	0	0	0	**2**
Selangor	0	0.00	0	0	0	0	**0**
Negeri Sembilan	20	3,967.61	18	2	0	0	**20**
Melaka	63	10,489.84	44	0	0	0	**44**
Johor	300	56,464.82	51	17	0	1	**69**
Pahang	0	0.00	0	0	0	0	**0**
Terengganu	0	0.00	0	0	0	0	**0**
Kelantan	0	0.00	0	0	0	0	**0**
Sarawak	0	0.00	0	0	0	0	**0**
Sabah	150	5,269.78	0	0	0	150	**150**
Jumlah/*Total*	**581**	**79,052.08**	**120**	**19**	**0**	**151**	**290**

Jadual*(Table)* **23.2**

MALAYSIA

ANGGARAN PENGELUARAN SIPUT SUDU MENGIKUT BULAN DAN NEGERI, 2001

ESTIMATED PRODUCTION OF MUSSELS BY MONTH AND STATE, 2001

(TAN METRIK*/TONNES)*

Negeri *State*	**Januari** *January*	**Februari** *February*	**Mac** *March*	**April** *April*	**Mei** *May*	**Jun** *June*	**Julai** *July*	**Ogos** *August*	**September** *September*	**Oktober** *October*	**November** *November*	**Disember** *December*	**Jumlah** *Total*
Perlis	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
Kedah	2.27	1.94	0.76	0.58	0.55	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**6.10**
Pulau Pinang	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
Perak	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.24**
Selangor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
Negeri Sembilan	0.94	2.10	0.00	0.30	0.00	0.65	0.50	0.10	0.00	0.10	0.40	0.30	**5.39**
Melaka	15.30	10.85	5.86	1.93	2.94	2.06	2.19	6.20	12.52	21.62	27.63	21.39	**130.49**
Johor	641.82	631.36	626.30	601.95	543.33	529.26	513.74	524.02	526.19	504.90	504.54	468.65	**6,616.06**
Pahang	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
Terengganu	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
Kelantan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
Sarawak	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
Sabah	12.18	17.20	7.40	5.76	10.88	8.80	12.33	8.62	7.47	6.32	10.51	14.35	**121.82**
Jumlah*/Total*	**672.75**	**663.45**	**640.32**	**610.52**	**557.70**	**540.77**	**528.76**	**538.94**	**546.18**	**532.94**	**543.08**	**504.69**	**6,880.10**

Jadual*(Table)* **24.1**

MALAYSIA

BILANGAN DAN LUAS KAWASAN TERNAKAN TIRAM SERTA BILANGAN PENTERNAK MENGIKUT KAUM DAN NEGERI, 2001

NUMBER AND AREA OF OYSTER CULTURE AND NUMBER OF CULTURISTS BY RACE AND STATE, 2001

Negeri *State*	**Ternakan Tiram** Oyster *Culture*		**Bilangan Penternak** *No. Of Culturists*				
	Bilangan *Number*	**Luas (m2)** *Area(m2)*	**Bumiputera** *Bumiputeras*	**Cina** *Chinese*	**India** *Indian*	**Lain-Lain** *Others*	**Jumlah** *Total*
Perlis	0	0.00	0	0	0	0	**0**
Kedah	24	2,458.32	2	0	0	0	**2**
Pulau Pinang	40	600.00	2	2	0	0	**4**
Perak	30	1,360.00	0	0	0	2	**2**
Selangor	0	0.00	0	0	0	0	**0**
Negeri Sembilan	0	0.00	0	0	0	0	**0**
Melaka	0	0.00	0	0	0	0	**0**
Johor	7	7,000.00	10	0	0	0	**10**
Pahang	0	0.00	0	0	0	0	**0**
Terengganu	81	19,549.32	24	0	0	0	**24**
Kelantan	33	2,004.10	11	0	0	0	**11**
Sarawak	0	0.00	0	0	0	0	**0**
Sabah	156	46,219.55	0	0	0	156	**156**
Jumlah*/Total*	**371**	**79,191.29**	**49**	**2**	**0**	**158**	**209**

Jadual*(Table)* **24.2**

MALAYSIA

ANGGARAN PENGELUARAN TIRAM MENGIKUT BULAN DAN NEGERI, 2001

ESTIMATED PRODUCTION OF OYSTER BY MONTH AND STATE, 2001

(TAN METRIK*/TONNES)*

Negeri *State*	**Januari** *January*	**Februari** *February*	**Mac** *March*	**April** *April*	**Mei** *May*	**Jun** *June*	**Julai** *July*	**Ogos** *August*	**September** *September*	**Oktober** *October*	**November** *November*	**Disember** *December*	**Jumlah** *Total*
Perlis	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
Kedah	1.80	1.47	2.00	2.00	0.00	2.00	2.00	0.00	1.00	1.00	1.00	1.00	**15.27**
Pulau Pinang	0.93	1.05	0.95	0.80	0.80	0.70	0.75	1.05	0.98	1.00	0.85	0.75	**10.61**
Perak	0.70	0.37	0.00	1.63	0.00	0.00	0.00	0.00	0.00	0.50	0.40	0.00	**3.60**
Selangor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
Negeri Sembilan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
Melaka	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
Johor	0.42	0.44	0.45	0.43	0.34	0.37	0.39	0.49	0.57	0.45	0.42	0.51	**5.28**
Pahang	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
Terengganu	10.88	8.25	10.48	8.15	10.48	10.26	10.78	8.83	9.07	9.61	9.03	9.05	**114.87**
Kelantan	0.28	0.27	0.46	0.68	0.00	0.00	0.42	0.00	1.64	0.00	0.90	0.20	**4.85**
Sarawak	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
Sabah	13.20	15.30	6.10	7.50	6.20	8.90	6.87	7.35	6.70	5.65	12.19	13.80	**109.76**
Jumlah*/Total*	**28.21**	**27.15**	**20.44**	**21.19**	**17.82**	**22.23**	**21.21**	**17.72**	**19.96**	**18.21**	**24.79**	**25.31**	**264.24**

Jadual *(Table)* **25.1**

MALAYSIA

BILANGAN DAN LUAS KAWASAN TERNAKAN RUMPAI LAUT SERTA BILANGAN PENTERNAK MENGIKUT KAUM DAN NEGERI, 2001

NUMBER AND AREA OF SEAWEED CULTURE AND NUMBER OF CULTIRISTS BY RACE AND STATE, 2001

Negeri *State*	**Ternakan Rumpai Laut** *Seaweed Culture*		**Bilangan Penternak** *No. of Culturists*				
	Bilangan *Number*	**Luas(Ha)** *Area(Ha)*	**Bumiputera** *Bumiputeras*	**Cina** *Chinese*	**India** *Indian*	**Lain-Lain** *Others*	**Jumlah** *Total*
Perlis	0	0.00	0	0	0	0	**0**
Kedah	0	0.00	0	0	0	0	**0**
Pulau Pinang	0	0.00	0	0	0	0	**0**
Perak	0	0.00	0	0	0	0	**0**
Selangor	0	0.00	0	0	0	0	**0**
Negeri Sembilan	0	0.00	0	0	0	0	**0**
Melaka	0	0.00	0	0	0	0	**0**
Johor	0	0.00	0	0	0	0	**0**
Pahang	0	0.00	0	0	0	0	**0**
Terengganu	0	0.00	0	0	0	0	**0**
Kelantan	0	0.00	0	0	0	0	**0**
Sarawak	0	0.00	0	0	0	0	**0**
Sabah	712	1908.38	0	0	0	712	**712**
Jumlah/*Total*	**712**	**1908.38**	**0**	**0**	**0**	**712**	**712**

Jadual *(Table)* **25.2**

MALAYSIA
ANGGARAN PENGELUARAN RUMPAI LAUT MENGIKUT BULAN DAN NEGERI, 2001
ESTIMATED SEAWEED PRODUCTION BY MONTH AND STATE, 2001
(TAN METRIK/*TONNES***)**

Negeri *State*	**Januari** *January*	**Februari** *February*	**Mac** *March*	**April** *April*	**Mei** *May*	**Jun** *June*	**Julai** *July*	**Ogos** *August*	**September** *September*	**Oktober** *October*	**November** *November*	**Disember** *December*	**Jumlah** *Total*
Perlis	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
Kedah	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
Pulau Pinang	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
Perak	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
Selangor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
Negeri Sembilan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
Melaka	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
Johor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
Pahang	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
Terengganu	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
Kelantan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
Sarawak	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
Sabah	1,571.90	1,571.90	1,571.90	1,571.90	1,571.90	1,571.90	1,571.90	1,571.90	1,571.90	1,571.90	1,571.90	1,571.90	**18,862.80**
Jumlah/*Total*	**1,571.90**	**1,571.90**	**1,571.90**	**1,571.90**	**1,571.90**	**1,571.90**	**1,571.90**	**1,571.90**	**1,571.90**	**1,571.90**	**1,571.90**	**1,571.90**	**18,862.80**

Jadual *(Table)* **26.1**

MALAYSIA

ANGGARAN HARGA BORONG IKAN AIR TAWAR DI PASAR UTAMA MENGIKUT NEGERI DAN SPESIS IKAN, 2001

ESTIMATED WHOLESALE PRICES OF FRESHWATER FISH AT MAJOR MARKETS BY STATE AND FISH SPECIES, 2001

(RM/KG)

Spesis/Negeri *Species/State*	**Lampam Jawa** *Javanese Carp*	**Lee Koh** Common *Carp*	**Kap Rumput** *Grass Carp*	**Kap Kepala Besar** *Big Head Carp*	**Udang Galah** Giant *Fresh-water Prawn*	**Tilapia Hitam** *Black Tilapia*	**Tilapia Merah** *Red Tilapia*	**Jelawat** *River Carp*	**Keli** *Fresh-water Catfish*	**Ketutu** *Goby*	**Belut** *Eel*	**Patin** *River Catfish*	**Toman** *Giant Snake-Head*	**Baung** *River Catfish*	**Pelbagai** *Miscell-aneous*
Perlis	3.00	3.42	0.00	0.00	17.00	3.50	4.00	0.00	3.01	0.00	0.00	4.00	0.00	0.00	2.50
Kedah	3.87	6.19	6.19	4.17	25.19	3.43	4.03	7.93	3.11	0.00	0.00	6.38	0.00	8.72	2.98
Pulau Pinang	3.29	0.00	0.00	0.00	20.33	2.93	4.10	0.00	2.61	0.00	0.00	0.00	0.00	0.00	6.33
Perak	4.04	4.00	5.03	2.38	28.08	2.91	3.82	5.85	2.90	47.96	3.87	3.55	2.86	8.35	3.00
Selangor	4.89	3.65	4.75	2.69	29.16	3.51	4.39	7.22	2.66	37.96	0.00	2.68	9.00	9.03	3.00
Negeri Sembilan	3.90	3.90	3.89	3.45	25.97	2.81	3.74	4.78	3.12	27.50	0.00	3.56	0.00	8.28	3.55
Melaka	3.90	3.77	4.39	1.98	22.13	2.98	4.23	4.85	2.24	26.88	0.00	3.08	0.00	10.33	5.00
Johor	3.88	6.00	5.00	0.00	25.92	3.61	4.12	6.98	2.73	41.77	0.00	4.57	6.69	9.04	5.01
Pahang	5.79	5.46	5.44	5.14	28.59	5.00	5.40	11.00	2.50	42.20	20.00	10.16	4.98	14.79	2.95
Terengganu	4.30	3.80	4.80	4.80	17.00	4.43	4.43	6.50	4.14	24.33	4.50	5.42	3.80	6.86	2.80
Kelantan	5.21	5.34	5.44	4.04	18.77	3.99	4.50	8.13	3.94	27.28	5.02	4.23	4.31	8.81	4.18
Sarawak	6.60	6.10	5.00	3.90	15.00	4.70	5.60	6.80	5.90	12.20	0.00	5.50	7.30	7.60	8.00
Sabah	8.00	10.00	10.00	12.00	8.00	8.00	8.00	13.00	5.00	30.00	8.00	8.00	0.00	0.00	12.00
Harga Bertimbang *Weighted price*	**5.07**	**6.39**	**5.27**	**2.57**	**26.56**	**6.00**	**4.75**	**6.79**	**2.81**	**40.06**	**20.00**	**6.05**	**6.33**	**7.72**	**3.47**

Nota: Pelbagai - Teramasuk ikan haruan dan sepat siam

Note: Miscellaneous - Includes snake head, snakeskin and gouramy

JADUAL *(TABLE)* **26.2**

MALAYSIA

ANGGARAN HARGA RUNCIT IKAN AIR TAWAR DI PASAR UTAMA MENGIKUT NEGERI DAN SPESIS IKAN, 2001

ESTIMATED RETAIL PRICES OF FRESHWATER FISH AT MAJOR MARKETS BY STATE AND FISH SPECIES, 2000

(RM/*KG***)**

Spesis/Negeri *Species/State*	**Lampam Jawa** *Javanese Carp*	**Lee Koh** Common *Carp*	**Kap Rumput** *Grass Carp*	**Kap Kepala Besar** *Big Head Carp*	**Udang Galah** Giant *Fresh-water Prawn*	**Tilapia Hitam** *Black Tilapia*	**Tilapia Merah** *Red Tilapia*	**Jelawat** *River Carp*	**Keli** *Fresh-water Catfish*	**Ketutu** *Goby*	**Belut** *Eel*	**Patin** *River Catfish*	**Toman** *Giant Snake-Head*	**Baung** *River Catfish*	**Pelbagai** *Miscell-aneous*
Perlis	4.46	5.04	0.00	0.00	21.00	4.50	5.00	0.00	4.16	0.00	0.00	5.00	0.00	0.00	3.25
Kedah	5.43	8.75	8.04	5.00	30.96	5.17	5.66	10.44	5.35	0.00	0.00	10.17	0.00	12.74	4.65
Pulau Pinang	3.92	0.00	0.00	0.00	24.31	3.60	5.23	0.00	3.74	0.00	0.00	0.00	0.00	0.00	7.50
Perak	6.17	6.03	7.42	4.26	34.85	4.78	5.46	8.52	4.49	59.52	5.71	5.79	4.68	12.43	4.25
Selangor	6.51	5.00	6.46	3.90	38.63	4.84	5.92	9.80	4.26	55.29	0.00	4.46	11.00	11.51	3.56
Negeri Sembilan	6.22	6.45	6.55	5.14	31.34	4.47	5.82	8.02	5.16	45.00	0.00	5.43	0.00	11.99	5.81
Melaka	5.36	5.18	5.49	2.48	29.00	3.93	5.52	6.40	4.16	43.83	0.00	4.34	0.00	14.00	6.54
Johor	5.80	8.00	8.00	0.00	31.77	5.36	5.82	9.68	4.44	51.70	0.00	6.70	9.07	12.51	7.06
Pahang	6.46	6.94	6.06	6.23	33.27	6.80	6.67	15.60	3.00	48.19	20.00	11.57	7.21	17.58	4.25
Terengganu	4.50	4.50	5.50	5.50	19.00	5.33	5.68	7.46	4.38	26.33	6.50	6.00	5.20	8.17	3.47
Kelantan	7.00	7.40	7.19	5.49	23.32	5.47	6.09	10.58	5.64	32.59	7.24	5.84	5.33	11.31	5.63
Sarawak	8.50	8.20	6.70	5.40	19.00	6.20	7.80	8.60	7.90	15.10	0.00	7.40	10.30	9.90	10.00
Sabah	10.00	12.00	12.00	14.00	16.00	10.00	10.00	15.00	6.00	35.00	10.00	10.00	0.00	0.00	14.00
Harga Bertimbang *Weighted price*	**7.79**	**8.29**	**7.14**	**4.37**	**31.83**	**7.87**	**6.43**	**8.88**	**4.47**	**47.41**	**20.00**	**7.76**	**8.68**	**9.73**	**4.73**

Termasuk ikan haruan dan sepat siam

Note: Miscellaneous - Includes snake head, snakeskin and gouramy

Jadual *(Table)* **27.1**

MALAYSIA

ANGGARAN HARGA BORONG IKAN AIR PAYAU/MASIN DI PASAR UTAMA MENGIKUT NEGERI DAN SPESIS IKAN, 2001

ESTIMATED WHOLESALE PRICES OF BRACKISHWATER FISH AT MAJOR MARKETS BY STATE AND FISH SPECIES, 2001

(RM/*KG***)**

Negeri *State*	**Siakap** *Barra-Mundi*	**Siakap Merah** Mangrove *Red Snapper*	**Ikan Banding** *Milk Fish*	**Kerapu** *Grouper*	**Jenahak** *Mangrove Snapper*	**Merah** *Red Snapper*	**Udang Putih** *Banana Prawn*	**Ketam** *Mud Crab*	**Ketam Telur** Berried *Crabs*	**Udang Harimau** *Tiger Prawn*	**Kerang** *Cockles*	**Benih Kerang** *Cockle Seeds*	**Siput Sudu** *Mussels*	**Tilapia Merah** *Red Tilapia*	**Tiram** *Oyster*	**Rumpai Laut** *Sea-Weeds*	**Pelbagai** *Miscell-neous*
Perlis	10.14	0.00	0.00	0.00	0.00	0.00	0.00	14.00	0.00	20.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Kedah	11.18	0.00	0.00	24.95	12.00	0.00	3.00	8.04	0.00	24.45	0.77	0.00	1.05	4.33	15.00	0.00	0.00
Pulau Pinang	11.40	11.46	10.43	30.45	13.10	13.84	0.00	15.89	19.58	23.76	0.71	0.00	0.00	4.23	17.08	0.00	0.00
Perak	13.22	11.85	0.00	29.08	16.73	0.00	0.00	13.53	0.00	25.73	0.80	4.37	0.87	4.86	8.00	0.00	8.00
Selangor	12.13	7.78	0.00	23.50	14.18	13.60	34.00	13.67	0.00	23.52	0.82	4.64	0.00	4.81	0.00	0.00	4.50
Negeri Sembilan	12.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	29.25	0.00	0.00	1.48	7.00	0.00	0.00	0.00
Melaka	14.00	0.00	0.00	0.00	0.00	0.00	25.86	0.00	0.00	26.71	1.16	0.00	1.00	5.04	0.00	0.00	0.00
Johor	13.19	0.00	0.00	28.23	15.04	12.25	28.52	0.00	0.00	27.29	0.80	0.00	0.44	5.00	15.00	0.00	16.32
Pahang	11.67	0.00	0.00	20.32	12.32	12.36	19.73	10.04	0.00	26.96	1.16	0.00	0.00	4.25	0.00	0.00	0.00
Terengganu	11.50	0.00	0.00	18.92	0.00	12.00	0.00	4.38	0.00	18.75	0.00	0.00	0.00	4.45	8.00	0.00	0.92
Kelantan	11.44	0.00	0.00	20.58	0.00	10.00	45.00	6.95	0.00	38.22	2.00	0.00	0.00	6.16	6.27	0.00	0.00
Sarawak	8.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28.00	0.00	0.00	0.00	6.00	0.00	0.00	0.00
Sabah	8.00	0.00	0.00	9.00	5.00	0.00	13.00	4.50	0.00	35.00	2.00	0.00	2.00	7.00	2.00	0.40	3.50
Harga Bertimbang Weighted price	**11.79**	**11.17**	**10.43**	**21.84**	**14.24**	**13.76**	**28.61**	**14.11**	**19.58**	**28.26**	**0.79**	**4.51**	**0.48**	**5.82**	**6.39**	**0.40**	**9.48**

Nota: Pelbagai - Termasuk ikan tanda, dengkis, cupak/cermin dan talang

Note: Miscellaneous - Includes snapper, rabbit fish, horse mackeral and queen fish

Jadual *(Table)* **27.2**

MALAYSIA

ANGGARAN HARGA RUNCIT IKAN AIR PAYAU/MASIN DI PASAR UTAMA MENGIKUT

ESTIMATED RETAIL PRICES OF BRACKISHWATER FISH AT MAJOR MARKETS BY STATE AND FISH SPECIES, 2001

(RM/*KG***)**

Negeri *State*	**Siakap** *Barra-mundi*	**Siakap Merah** Mangrove *Red Snapper*	**Ikan Banding** *Milk Fish*	**Kerapu** Grouper	**Jenahak** *Mangrove Snapper*	**Merah** *Red Snapper*	**Udang Putih** *Banana Prawn*	**Ketam** *Mud Crab*	**Ketam Telur** Berried *Crabs*	**Udang Harimau** *Tiger Prawn*	**Kerang** *Cockles*	**Siput Sudu** *Mussels*	**Tilapia Merah** *Red Tilapia*	**Tiram** *Oyster*	**Rumpai Laut** *Sea-Weeds*	**Pelbagai** *Miscell-neous*
Perlis	12.33	0.00	0.00	0.00	0.00	0.00	0.00	16.00	0.00	25.67	0.00	0.00	0.00	0.00	0.00	0.00
Kedah	14.48	0.00	0.00	29.00	17.73	0.00	5.00	14.17	0.00	30.42	1.21	1.61	5.33	17.00	0.00	0.00
Pulau Pinang	13.39	12.93	10.43	35.19	15.16	15.83	0.00	19.88	23.50	28.55	0.80	0.00	5.90	19.58	0.00	0.00
Perak	16.33	15.71	0.00	34.77	21.19	0.00	0.00	17.58	0.00	31.75	1.32	1.35	6.65	8.00	0.00	8.00
Selangor	14.52	9.03	0.00	28.56	15.59	15.08	40.50	16.33	0.00	27.11	1.12	0.00	6.62	0.00	0.00	5.27
Negeri Sembilan	14.92	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	34.17	0.00	1.96	9.00	0.00	0.00	0.00
Melaka	17.67	0.00	0.00	0.00	0.00	0.00	29.00	0.00	0.00	31.96	1.50	1.50	8.00	0.00	0.00	0.00
Johor	17.21	0.00	0.00	34.40	19.53	17.17	38.39	0.00	0.00	33.22	1.29	0.75	6.50	17.00	0.00	22.13
Pahang	14.17	0.00	0.00	24.91	15.23	14.27	24.18	13.33	0.00	30.79	1.50	0.00	5.50	0.00	0.00	0.00
Terengganu	13.67	0.00	0.00	20.83	0.00	15.00	0.00	5.42	0.00	19.75	0.00	0.00	5.36	10.00	0.00	1.08
Kelantan	12.34	0.00	0.00	23.25	0.00	12.00	49.42	8.04	0.00	41.92	2.50	0.00	7.49	7.24	0.00	0.00
Sarawak	15.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	35.00	0.00	0.00	8.00	0.00	0.00	0.00
Sabah	10.00	0.00	0.00	11.50	7.00	9.00	16.00	6.00	0.00	45.00	3.00	3.50	8.00	4.00	0.60	5.00
Harga Bertimbang *Weighted price*	**14.63**	**13.00**	**10.43**	**26.14**	**18.23**	**15.62**	**38.13**	**17.33**	**23.50**	**34.62**	**1.21**	**0.81**	**7.55**	**8.36**	**0.60**	**12.33**

Nota: Pelbagai - Termasuk ikan tanda, dengkis, cupak/cermin dan talang

Note: Miscellaneous - Includes snapper, rabbit fish, horse mackeral and queen fish

Jadual*(Table)* **28.1**

MALAYSIA

ANGGARAN PENGELUARAN IKAN HIASAN MENGIKUT NEGERI 2001

ESTIMATED PRODUCTION OF ORNAMENTAL FISH BY STATE, 2001

(BILANGAN DALAM EKOR/*NUMBER IN PIECES)*

Negeri/Kumpulan *State/Group*	***Cyprinids Barb/Daino/ Goldfish/Koi***	***Cyprinodontids***	***Anabantids***	***Poecilids***	***Characins***	***Cichlid***	***Osteoglossids***	***Callichthyids***	***Cobitids***	**Tumbuhan Akuatik** *Aquatic Plants*	**Lain Lain** *Others*	**Jumlah** *Total*
Perlis	0	0	0	0	0	0	0	0	0	0	0	**0**
Kedah	0	0	0	0	0	0	0	0	0	0	0	**0**
Pulau Pinang	103,105	0	184,759	226,554	10,136	1,274,886	0	7,781	0	0	24,348	**1,831,569**
Perak	35,074,387	0	12,301,956	7,297,112	0	4,451,852	0	234,949	0	0	8,801,105	**68,161,361**
Selangor	2,952,730	734,000	0	270,700	0	456	0	0	0	0	54,200	**4,012,086**
Negeri Sembilan	400	1,000	4,400	0	0	3,100	0	0	0	0	0	**8,900**
Melaka	2,300	0	86,200	21,250	0	1,150	0	0	0	0	0	**110,900**
Johor	58,904,594	0	27,213,218	94,566,501	23,138,417	14,193,671	31,486	75,271	75,035	45,086,359	475,684	**263,760,236**
Pahang	22,700	0	0	2,000	0	5,000	0	0	0	0	0	**29,700**
Terengganu	0	0	0	0	0	0	0	0	0	0	0	**0**
Kelantan	6,713	7,130	0	61,289	0	0	2,090	0	0	0	7,500	**84,722**
Sarawak	0	0	0	0	0	0	0	0	0	0	0	**0**
Sabah	11,300	0	370	42,250	0	2,050	0	0	0	0	16	**55,986**
Jumlah/*Total*	**97,078,229**	**742,130**	**39,790,903**	**102,487,656**	**23,148,553**	**19,932,165**	**33,576**	**318,001**	**75,035**	**45,086,359**	**9,362,853**	**338,055,460**

Jadual*(Table)* **28.2**

MALAYSIA

ANGGARAN PENGELUARAN DAN NILAI IKAN HIASAN MENGIKUT NEGERI, 2001

ESTIMATED PRODUCTION AND VALUE OF ORNAMENTAL FISH BY STATE, 2001

(BILANGAN DALAM EKOR*/NUMBER IN PIECES)*

Negeri *State*	**Pengeluaran (Ekor)** *Production (Pieces)*	**Nilai (RM)** *Value (RM)*
Perlis	0	0.00
Kedah	0	0.00
Pulau Pinang	1,831,569	2,326,092.00
Perak	68,161,361	14,177,563.00
Selangor	4,012,086	746,248.00
Negeri Sembilan	8,900	1,655.00
Melaka	110,900	21,847.00
Johor	263,760,236	63,635,467.00
Pahang	29,700	5,821.00
Terengganu	0	0.00
Kelantan	84,722	16,521.00
Sarawak	0	0.00
Sabah	55,986	101,782.00
Jumlah*/Total*	**338,055,460**	**81,032,996.00**

PERAIRAN UMUM

PUBLIC WATER BODIES

Jadual *(Table)* **29.1**

MALAYSIA

ANGGARAN PENDARATAN IKAN AIRTAWAR DARI PERAIRAN UMUM/PERIKANAN DARAT MENGIKUT BULAN DAN NEGERI, 2001

ESTIMATED LANDINGS OF FRESHWATER FISH FROM PUBLIC WATERBODIES/INLAND FISHERIES BY MONTH AND STATE, 2001

(TAN METRIK/*TONNES)*

Negeri *State*	**Januari** *January*	**Februari** *February*	**Mac** *March*	**April** *April*	**Mei** *May*	**Jun** *June*	**Julai** *July*	**Ogos** *August*	**September** *September*	**Oktober** *October*	**November** *November*	**Disember** *December*	**Jumlah** *Total*
Perlis	4.37	5.02	3.84	3.69	3.35	3.28	3.41	3.52	3.25	3.25	3.04	3.23	**43.25**
Kedah	30.85	25.92	25.59	27.81	30.05	29.90	27.66	29.71	31.25	31.93	29.23	28.68	**348.58**
Pulau Pinang	1.34	1.13	1.21	0.88	0.51	0.53	0.64	0.56	0.57	0.58	0.63	0.72	**9.30**
Perak	73.62	73.57	72.19	94.61	105.86	103.88	90.16	94.60	133.04	128.18	145.20	132.19	**1247.10**
Selangor	72.45	51.69	60.49	82.40	68.20	68.00	57.93	51.95	44.40	41.45	38.59	32.13	**669.68**
Negeri Sembilan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
Melaka	1.40	1.01	1.03	1.32	1.40	3.07	4.26	3.90	2.71	3.72	3.55	5.35	**32.72**
Johor	34.82	34.21	30.70	30.55	32.36	29.77	29.09	26.45	28.29	33.09	34.70	38.42	**382.45**
Pahang	27.48	20.31	20.91	20.02	22.88	19.93	22.57	20.97	17.06	17.85	19.68	10.95	**240.61**
Terengganu	18.06	17.82	14.87	12.18	12.94	12.48	12.08	12.03	15.22	16.63	16.10	18.27	**178.68**
Kelantan	15.92	14.97	18.58	19.71	17.56	16.79	18.98	15.12	14.73	17.55	19.23	27.00	**216.14**
Sarawak	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	**0.00**
Sabah	9.83	6.10	5.92	6.61	6.06	5.33	7.85	7.40	6.67	5.71	6.45	3.17	**77.10**
Jumlah/*Total*	**290.14**	**251.75**	**255.33**	**299.78**	**301.17**	**292.96**	**274.63**	**266.21**	**297.19**	**299.94**	**316.40**	**300.11**	**3445.61**

Jadual (*Table*) **29.2**

MALAYSIA

ANGGARAN PENDARATAN IKAN AIRTAWAR DARI PERAIRAN UMUM/PERIKANAN DARAT MENGIKUT PERAIRAN DAN NEGERI, 2001

ESTIMATED LANDINGS OF FRESHWATER FISH FROM PUBLIC WATERBODIES/INLAND FISHERIES BY WATERBODIES AND STATE, 2001

(TAN METRIK/*TONNES***)**

Negeri *State*	**Sungai** Rivers	**Bekas Lombong** *Ex-Mining Pools*	**Empangan** *Dams*	**Tasik** *Lakes*	**Lain-Lain** *Others*	**Jumlah** *Total*
Perlis	4.73	0.00	34.90	0.00	3.62	**43.25**
Kedah	98.61	11.35	139.14	0.00	99.48	**348.58**
Pulau Pinang	9.30	0.00	0.00	0.00	0.00	**9.30**
Perak	337.49	485.80	51.70	244.74	127.37	**1,247.10**
Selangor	394.96	75.49	30.18	0.10	168.95	**669.68**
Negeri Sembilan	0.00	0.00	0.00	0.00	0.00	**0.00**
Melaka	29.54	3.15	0.03	0.00	0.00	**32.72**
Johor	298.32	3.08	72.23	1.79	7.03	**382.45**
Pahang	139.60	17.77	30.25	27.77	25.22	**240.61**
Terengganu	87.26	1.50	56.94	0.00	32.98	**178.68**
Kelantan	99.24	0.34	34.71	15.95	65.90	**216.14**
Sarawak	0.00	0.00	0.00	0.00	0.00	**0.00**
Sabah	77.10	0.00	0.00	0.00	0.00	**77.10**
Jumlah/*Total*	**1,576.15**	**598.48**	**450.08**	**290.35**	**530.55**	**3,445.61**

PENGELUARAN BENIH IKAN/UDANG

FISH/PRAWN FRY PRODUCTION

Jadual*(Table)* **30.1**

MALAYSIA

ANGGARAN PENGELUARAN BENIH IKAN AIR TAWAR DARI PUSAT PEMBAIKBIAK IKAN KERAJAAN MENGIKUT PUSAT DAN SPESIS, 2001

ESTIMATED PRODUCTION OF FRESHWATER FINGERLINGS FROM GOVERNMENT HATCHERIES BY HATCHERY AND SPECIES, 2001

(KUANTITI DALAM EKOR/*QUANTITY IN PIECES***)**

Spesis *(Species)* **Pusat Pembaikbiak** *(Hatchery)*	**Rega/***Hatchling* **Benih/***Fry*	**Lampam Jawa** *Javanese Carp*	**Lee Koh** *Common Carp*	**Sepat Siam** *Snakeskin Gouramy*	**Tilapia Nilotika** *Tilapia Nilotica*	**Tilapia Merah** *Red Tilapia*	**Kap Kepala Besar** *Big Head Carp*	**Jelawat** *River Carp*	**Keli** *Freshwater Catfish*	**Baung** *River Catfish*	**Lain-Lain** Others	**Jumlah** *Total*
PPAT Bukit Tinggi, Pahang	**Rega/***Hatchling*	800,000	0	0	0	0	0	0	1,090,000	0	0	**1,890,000**
	Benih/*Fry*	416,775	0	0	0	573,400	0	0	0	0	0	**990,175**
PPA Jitra, Kedah	**Rega/***Hatchling*	615,000	0	0	0	0	0	0	0	0	0	**615,000**
	Benih/*Fry*	902,683	0	6,250	7,700	1,468,057	0	0	338,561	484	120	**2,723,855**
PLPD Enggor, Perak	**Rega/***Hatchling*	0	0	0	0	0	0	0	2,460,000	0	0	**2,460,000**
	Benih/*Fry*	593,620	0	0	0	225,450	0	0	82,700	0	10,200	**911,970**
PPIAT Bt Berendam, Melaka	**Rega/***Hatchling*	0	0	0	0	0	0	0	0	0	0	**0**
	Benih/*Fry*	0	0	0	0	0	0	0	0	0	0	**0**
PPA Machang, Kelantan	**Rega/***Hatchling*	0	0	0	0	0	0	0	218,900	0	0	**218,900**
	Benih/*Fry*	0	0	0	0	314,880	0	0	0	0	0	**314,880**
PPA Tapah, Perak	**Rega/***Hatchling*	0	0	0	0	0	0	0	0	0	0	**0**
	Benih/*Fry*	527,170	0	0	0	718,370	0	0	0	0	0	**1,245,540**
PPA Jerantut, Pahang	**Rega/***Hatchling*	0	0	0	0	0	0	0	0	0	0	**0**
	Benih/*Fry*	0	0	0	0	717,390	0	0	0	0	0	**717,390**
Sarawak	**Rega/***Hatchling*	na	na	na	na	na	na	na	na	na	na	**na**
	Benih/*Fry*	na	na	na	na	na	na	na	na	na	na	**na**
Sabah	**Rega/***Hatchling*	0	0	0	0	0	0	0	0	0	0	**0**
	Benih/*Fry*	308,527	199,229	0	876,123	1,205,959	0	0	3,025	0	28,644	**2,621,507**
Jumlah/*Total*	**Rega/***Hatchling*	**1,415,000**	**0**	**0**	**0**	**0**	**0**	**0**	**3,768,900**	**0**	**0**	**5,183,900**
	Benih/*Fry*	**2,748,775**	**199,229**	**6,250**	**883,823**	**5,223,506**	**0**	**0**	**424,286**	**484**	**38,964**	**9,525,317**

na: Tiada maklumat (no information available)

Jadual*(Table)* 30.2

MALAYSIA

ANGGARAN PENGELUARAN BENIH UDANG AIR PAYAU/MASIN DAN UDANG GALAH DARI PUSAT KERAJAAN MENGIKUT PUSAT DAN SPESIS, 2001

ESTIMATED PRODUCTION OF BRACKISHWATER AND GIANT FRESHWATER PRAWN FINGERLINGS FROM GOVERNMENT HATCHERIES BY HATCHERY AND SPECIES, 2001

(KUANTITI DALAM EKOR/*QUANTITY IN PIECES)*

Spesis *(Species)* **Pusat Penetasan** *(Hatchery)*	**Pengeluaran (Ekor)** *Production (Pieces)*							
	Udang Harimau *Tiger Prawn*		**Udang Putih** *Banan Prawn*		**Udang Galah** *Giant Freshwater Prawns*		**Jumlah** *Total*	
	Nauplii *Nauplii*	**Benih** *Fry*	**Nauplii** *Nauplii*	**Benih** *Fry*	**Nauplii** *Nauplii*	**Benih** *Fry*	**Nauplii** *Nauplii*	**Benih** *Fry*
PPUG Kg. Acheh, Perak	0	0	0	0	0	5,293,470	0	**5,293,470**
PPIUL Tg. Demong, Terengganu	0	0	0	0	0	0	0	**0**
PPPBUK Kg. Pulau Sayak, Kedah	0	2,038,800	0	0	0	176,000	0	**2,214,800**
PPTAP Gelang Patah*, Johor	0	0	0	0	0	0	0	**0**
Sarawak	0	1,219,400	0	0	0	0	0	**1,219,400**
Sabah	0	0	0	0	0	0	0	**0**
Jumlah/*Total*	**0**	**3,258,200**	**0**	**0**	**0**	**5,469,470**	**0**	**8,727,670**

*** PPTAP Gelang Patah hanya menumpukan aktiviti kajian ikan dan udang sahaja**

** PPTAP Gelang Patah only concentrates on research activities on fish and prawn*

MALAYSIA

ANGGARAN PENGELUARAN BENIH IKAN AIR PAYAU/MASIN DARI PUSAT KERAJAAN MENGIKUT PUSAT DAN SPESIS, 2001

ESTIMATED PRODUCTION OF BRACKISHWATER FISH FINGERLINGS FROM GOVERNMENT HATCHERIES BY HATCHERY AND SPECIES, 2001

(KUANTITI DALAM EKOR/*QUANTITY IN PIECES)*

Spesis *(Species)* **Pusat Penetasan** *(Hatchery)*	**Rega/***Hatchling* **Benih/***Fry*	**Pengeluaran (Ekor)** *Production (Pieces)*						
		Kerapu *Grouper*	**Siakap** *Barramundi*	**Siakap Merah** *Mangrove Red Snapper*	**Siput Sudu** *Mussels*	**Tiram** *Oyster*	**Lain-lain** *Others*	**Jumlah** *Total*
PPUG Kg. Acheh, Perak	**Rega/***Hatchling*	0	0	0	0	0	0	**0**
	Benih/*Fry*	0	0	0	0	0	0	**0**
PPIUL Tg. Demong, Terengganu	**Rega/***Hatchling*	22,000,000	189,750,000	0	0	0	0	**211,750,000**
	Benih/*Fry*	14,992	267,122	149	0	0	1,133	**283,396**
PPPBUK Kg. Pulau Sayak, Kedah	**Rega/***Hatchling*	0	440,750	0	0	0	0	**440,750**
	Benih/*Fry*	2,540	65,138	52,688	0	30,000	6,912	**157,278**
PPTAP Gelang Patah*, Johor	**Rega/***Hatchling*	0	0	0	0	0	0	**0**
	Benih/*Fry*	0	0	0	0	0	0	**0**
Sarawak	**Rega/***Hatchling*	0	988,693	0	0	0	0	**988,693**
	Benih/*Fry*	0	681,100	0	0	0	0	**681,100**
Sabah	**Rega/***Hatchling*	0	0	0	0	0	0	**0**
	Benih/*Fry*	226,337	0	0	157,352	133,660	0	**517,349**
Jumlah/Total	**Rega/***Hatchling*	**22,000,000**	**191,179,443**	**0**	**0**	**0**	**0**	**213,179,443**
	Benih/*Fry*	**243,869**	**1,013,360**	**52,837**	**157,352**	**163,660**	**8,045**	**1,639,123**

*** PPTAP Gelang Patah hanya menumpukan aktiviti kajian ikan dan udang sahaja**

** PPTAP Gelang Patah only concentrates on research activities on fish and prawn*

MALAYSIA

BILANGAN DAN ANGGARAN PENGELUARAN HACERI BENIH IKAN AIR PAYAU SWASTA MENGIKUT NEGERI, 2001

NUMBER AND ESTIMATED PRODUCTION OF PRIVATE BRACKISHWATER FISH FRY HATCHERY BY STATE, 2001

Negeri *State*	Bilangan *Numbers*	Rega/Benih *Hatchling/Fry*	Pengeluaran (Juta Ekor) *Production (Million Pieces)*						
			Kerapu *Grouper*	Siakap *Barramundi*	Siakap Merah *Mangrove Red Snapper*	Siput Sudu *Mussels*	Tiram *Oyster*	Lain Lain *Others*	Jumlah *Total*
Perlis	0	Rega/*Hatchling*	0	0	0	0	0	0	**0**
		Benih/*Fry*	0	0	0	0	0	0	**0**
Kedah	1	Rega/*Hatchling*	0	0	0	0	0	0	**0**
		Benih/*Fry*	87,000	0	0	0	0	0	**87,000**
Pulau Pinang	0	Rega/*Hatchling*	0	0	0	0	0	0	**0**
		Benih/*Fry*	0	0	0	0	0	0	**0**
Perak	0	Rega/*Hatchling*	0	0	0	0	0	0	**0**
		Benih/*Fry*	0	0	0	0	0	0	**0**
Selangor	6	Rega/*Hatchling*	0	6,000,000	0	0	0	2,000,000	**8,000,000**
		Benih/*Fry*	0	220,000	0	0	0	0	**220,000**
Negeri Sembilan	2	Rega/*Hatchling*	0	0	0	0	0	100,000	**100,000**
		Benih/*Fry*	0	8,100	0	0	0	100,000	**108,100**
Melaka	0	Rega/*Hatchling*	0	0	0	0	0	0	**0**
		Benih/*Fry*	0	0	0	0	0	0	**0**
Johor	3	Rega/*Hatchling*	0	0	0	0	0	0	**0**
		Benih/*Fry*	0	0	0	0	0	0	**0**
Pahang	0	Rega/*Hatchling*	0	0	0	0	0	0	**0**
		Benih/*Fry*	0	129,900	0	0	0	0	**129,900**
Terengganu	0	Rega/*Hatchling*	0	0	0	0	0	0	**0**
		Benih/*Fry*	0	0	0	0	0	0	**0**
Kelantan	0	Rega/*Hatchling*	0	0	0	0	0	0	**0**
		Benih/*Fry*	0	0	0	0	0	0	**0**
Sarawak	0	Rega/*Hatchling*	0	0	0	0	0	0	**0**
		Benih/*Fry*	0	0	0	0	0	0	**0**
Sabah	1	Rega/*Hatchling*	0	0	0	0	0	0	**0**
		Benih/*Fry*	0	200,000		0	0	0	**200,000**
Jumlah/*Total*	**13**	Rega/*Hatchling*	**0**	**6,000,000**	**0**	**0**	**0**	**2,100,000**	**8,100,000**
		Benih/*Fry*	**87,000**	**558,000**	**0**	**0**	**0**	**100,000**	**745,000**

Jadual (Table) 30.5

MALAYSIA

BILANGAN DAN ANGGARAN PENGELUARAN HACERI BENIH UDANG SWASTA MENGIKUT NEGERI, 2001

NUMBER AND ESTIMATED PRODUCTION OF PRIVATE PRAWN FRY HATCHERY BY STATE, 2001

Negeri *State*	Bilangan *Numbers*	Pengeluaran (Juta Ekor)						
		Udang Harimau *Tiger Prawn*		Udang Putih *Banana Prawn*		Bilangan *Numbers*	Udang Galah *Giant Freshwater prawn*	
		Nauplii *Nauplii*	Benih *Fry*	Nauplii *Nauplii*	Benih *Fry*		Rega *Larvae*	Benih *Juvenile*
Perlis	0	0.00	0.00	0.00	0.00	0	0.00	0.00
Kedah	3	557.80	7.00	0.00	0.00	0	0.00	0.00
Pulau Pinang	13	480.00	161.48	0.00	0.00	0	0.00	0.00
Perak	17	2,472.00	218.14	0.00	0.00	5	0.00	6.90
Selangor	8	0.00	192.50	0.00	2.50	0	0.00	0.00
Negeri Sembilan	2	0.00	39.25	0.00	0.00	6	0.00	9.34
Melaka	0	0.00	0.00	0.00	0.00	0	0.00	0.00
Johor	12	0.00	435.00	0.00	44.90	1	0.00	0.20
Pahang	3	0.00	61.79	0.00	0.50	0	0.00	0.00
Terengganu	3	3,660.00	120.00	0.00	0.00	0	0.00	0.00
Kelantan	0	0.00	0.00	0.00	0.00	0	0.00	0.00
Sarawak	na	na	na	na	na	na	na	NA
Sabah	14	0.00	220.60	0.00	0.00	0	0.00	0.00
Jumlah/*Total*	**75**	**7,169.80**	**1,455.76**	**0.00**	**47.90**	**12.00**	**0.00**	**16.44**

na: Tiada maklumat (No information)

MALAYSIA

BILANGAN HACERI SWASTA DAN ANGGARAN PENGELUARAN BENIH IKAN AIRTAWAR MENGIKUT NEGERI, 2001

NUMBER OF PRIVATE HATCHERIES AND ESTIMATED PRODUCTION OF FRESHWATER FISH FRY BY STATE, 2001

Negeri *State*	Bilangan *Numbers*	Rega/Benih *Hatchling/Fry*	Pengeluaran (Ekor) *Production (Pieces)*								
			Lampam Jawa *Javanese Carp*	Lee Koh *Common Carp*	Sepat Siam *Snakeskin Gouramy*	Patin *River Catfish*	Tilapia Merah *Red Tilapia*	Keli *River Catfish*	Kap Rumput *Grass Carp*	Pelbagai *Others*	Jumlah *Total*
Perlis	0	**Rega/***Hatchling*	0	0	0	0	0	0	0	0	**0**
		Benih/*Fry*	0	0	0	0	0	0	0	0	**0**
Kedah	5	**Rega/***Hatchling*	0	0	0	0	0	0	0	0	**0**
		Benih/*Fry*	0	0	0	0	3,600	4,850,000	0	3,500	**4,857,100**
Pulau Pinang	0	**Rega/***Hatchling*	0	0	0	0	0	0	0	0	**0**
		Benih/*Fry*	0	0	0	0	0	0	0	0	**0**
Perak	7	**Rega/***Hatchling*	0	0	0	0	0	0	0	0	**0**
		Benih/*Fry*	2,200,000	1,500,000	0	0	4,900,000	4,000,000	430,000	2,380,000	**15,410,000**
Selangor	21	**Rega/***Hatchling*	0	0	0	0	0	0	0	0	**0**
		Benih/*Fry*	70,000	100,000	130,000	7,400,000	14,411,300	136,275,000	60,000	16,590,000	**175,036,300**
Negeri Sembilan	10	**Rega/***Hatchling*	0	0	0	0	0	0	265,000	0	**265,000**
		Benih/*Fry*	148,900	44,500	0	0	3,386,500	3,434,300	0	68,000	**7,082,200**
Melaka	8	**Rega/***Hatchling*	0	0	0	0	0	0	0	0	**0**
		Benih/*Fry*	846,500	244,000	0	1,495,000	2,960,125	12,376,520	0	1,721,750	**19,643,895**
Johor	0	**Rega/***Hatchling*	0	0	0	0	0	0	0	0	**0**
		Benih/*Fry*	0	500,000	0	0	300,000	3,950,000	0	150,000	**4,900,000**
Pahang	8	**Rega/***Hatchling*	0	0	0	1,000,000	0	1,400,000	0	0	**2,400,000**
		Benih/*Fry*	832,025	13,702	27,010	2,175,042	1,829,836	2,359,992	1,123	1,158,376	**8,397,106**
Terengganu	0	**Rega/***Hatchling*	0	0	0	0	0	0	0	0	**0**
		Benih/*Fry*	0	0	0	0	0	0	0	0	**0**
Kelantan	5	**Rega/***Hatchling*	0	0	0	0	0	0	0	0	**0**
		Benih/*Fry*	10,480	25,800	0	0	281,250	85,500	0	5,200	**408,230**
Sarawak	NA	**Rega/***Hatchling*	na	na	na	na	na	na	na	na	**na**
		Benih/*Fry*	na	na	na	na	na	na	na	na	**na**
Sabah	16	**Rega/***Hatchling*	0	0	0	0	0	0	0	0	**0**
		Benih/*Fry*	0	0	0	0	0	0	0	981,733	**981,733**
Jumlah/*Total*	**80**	**Rega/***Hatchling*	**0**	**0**	**0**	**1,000,000**	**0**	**1,400,000**	**265,000**	**0**	**2,665,000**
		Benih/*Fry*	**4,107,905**	**2,428,002**	**157,010**	**11,070,042**	**28,072,611**	**167,331,312**	**491,123**	**23,058,559**	**236,716,564**

na: Tiada maklumat (No information)

Jadual (Table) 30.7

MALAYSIA

PEMBAHAGIAN BENIH IKAN AIR TAWAR UNTUK KEGUNAAN PELBAGAI DAN PELEPASAN KE PERAIRAN UMUM MENGIKUT NEGERI DAN SPESIS, 2001

DISTRIBUTION OF FRESHWATER FISH FRY FOR MISCELLANEOUS PURPOSES AND RELEASED INTO PUBLIC WATERBODIES BY STATE AND SPECIES, 2001

(KAUNTITI DALAM EKOR/*QUANTITY IN PIECES)*

Negeri *State*	Kegunaan Pelbagai/*Miscellaneaus*							Pelepasan Ke Perairan Umum/*Released Into Public Waters*						Jumlah Kecil *Sub Total*	Jumlah Besar *Grand Total*
	Lampam Jawa *Javanese Carp*	Lee Koh *Common Carp*	Keli *Freshwater Catfish*	Tilapia Hitam *Black Tilapia*	Tilapia Merah *Red Tilapia*	Pelbagai *Others*	Jumlah Kecil *Sub Total*	Lampam Jawa *Javanese Carp*	Lee Koh *Common Carp*	Udang Galah *Giant Fresh-Water Prawn*	Tilapia Merah *Red Tilapia*	Baung *River Catfish*	Pelbagai *Others*		
Perlis	770	0	2,200	0	550	0	**3,520**	75,790	0	0	0	0	0	**75,790**	**79,310**
Kedah	4,803	0	19,264	980	22,209	120	**47,376**	606,110	0	0	0	484	4,950	**611,544**	**658,920**
P. Pinang	0	0	0	0	0	0	**0**	50,000	0	0	10,000	0	0	**60,000**	**60,000**
Perak	19,550	0	2,450	0	18,000	0	**40,000**	979,000	0	110,000	35,000	0	12,400	**1,136,400**	**1,176,400**
Selangor	29,400	0	0	0	12,500	0	**41,900**	0	0	0	0	0	50,000	**50,000**	**91,900**
N. Sembilan	7,000	0	0	0	0	0	**7,000**	0	0	0	0	0	0	**0**	**7,000**
Melaka	0	0	0	0	0	0	**0**	0	0	0	0	0	0	**0**	**0**
Johor	0	0	0	0	0	0	**0**	0	0	0	0	1,080	1,350	**2,430**	**2,430**
Pahang	0	0	0	0	0	0	**0**	24,300	1,100	160,000	11,500	10,100	31,750	**238,750**	**238,750**
Terengganu	0	0	0	0	0	0	**0**	40,000	0	0	0	40,000	80,000	**160,000**	**160,000**
Kelantan	0	0	62,000	0	26,750	500	**89,250**	0	0	0	0	0	0	**0**	**89,250**
Sarawak	na	na	na	na	na	na	**na**	na	na	na	na	na	na	**na**	**na**
Sabah	0	0	0	0	0	0	**0**	16,000	2,000	0	0	0	0	**18,000**	**18,000**
Jumlah/ *Total*	**61,523**	**0**	**85,914**	**980**	**80,009**	**620**	**229,046**	**1,791,200**	**3,100**	**270,000**	**56,500**	**51,664**	**180,450**	**2,352,914**	**2,581,960**

na: Tiada maklumat (No information)

Jadual*(Table)* **30.8**

MALAYSIA

PEMBAHAGIAN BENIH IKAN AIR TAWAR KEPADA PENTERNAK MENGIKUT NEGERI DAN SPESIS IKAN, 2001

DISTRIBUTION OF FRESHWATER FISH FRY TO CULTURISTS BY STATE AND SPECIES, 2001

(KUANTITI DALAM EKOR*/QUANTITY IN PIECES)*

Negeri *State*	**Lampam Jawa** *Javanese Carp*	**Lee Koh** *Common Carp*	**Sepat Siam** *Snakeskin Gouramy*	**Patin** *River Catfish*	**Udang Galah** *Giant Fresh water Prawn*	**Tilapia Merah** *Red Tilapia*	**Keli** *River Catfish*	**Kap Rumput** *Grass Carp*	**Pelbagai** *Others*	**Jumlah** *Total*
Perlis	3,318	0	0	0	0	471,120	20,163	0	0	**494,601**
Kedah	137,742	0	1,300	0	0	613,553	213,774	0	6,720	**973,089**
Pulau Pinang	14,700	0	0	0	121,800	70,200	24,000	0	0	**230,700**
Perak	101,240	0	19,300	0	2,055,200	791,420	78,750	0	8,400	**3,054,310**
Selangor	0	0	0	0	91,000	0	0	0	0	**91,000**
Negeri Sembilan	70,500	0	0	0	405,000	34,000	10,000	0	0	**519,500**
Melaka	40,000	0	0	0	0	0	34,000	0	0	**74,000**
Johor	5,600	0	0	2,500	0	16,000	15,000	0	56,300	**95,400**
Pahang	121,100	1,500	0	650,000	0	232,870	244,000	0	8,500	**1,257,970**
Terengganu	0	0	0	54,000	100,000	0	51,000	0	0	**205,000**
Kelantan	8,500	0	0	0	95,020	309,325	207,900	0	0	**620,745**
Sarawak	na	na	na	na	na	na	na	na	na	**na**
Sabah	173,820	193,270	0	0	0	1,189,436	0	0	696,335	**2,252,861**
Jumlah/*Total*	**676,520**	**194,770**	**20,600**	**706,500**	**2,868,020**	**3,727,924**	**898,587**	**0**	**776,255**	**9,869,176**

na: Tiada maklumat (No information)

KLASIFIKASI PERANGKAAN PIAWAIAN IKAN AIR TAWAR DAN IKAN LAUT MALAYSIA

STANDARD STATISTICAL CLASSIFICATION OF MALAYSIAN FRESHWATER AND MARINE FISHES

KLASIFIKASI PERANGKAAN PIAWAIAN IKAN AIR TAWAR MALAYSIA

STANDARD STATISTICAL CLASSIFICATION OF COMMON MALAYSIAN FRESHWATER FISHES

ISSCAAP Code	Division Group of Species	Local Name	English Name	Scientific Name
11	Carps, Barbels and Others	Tengas	Carp	*Acrossocheilus hexagonolepis*
		Kap Kepala Besar	Big Head Carp	*Aristichthys nobilis*
		Ikan Mas	Edible Gold Fish	*Carassius auratus*
		Kap Lumpur	Mud Carp	*Cirrhina molitorella*
		Kap Rumput	Grass Carp	*Ctenopharyngodon idellas cyprinids*
		Temperas	Carp	*Cyclochelichthys apogon*
		Lee Koh	Common Carp	*Cyprinus Carpio*
		Semilang Batu	Carp	*Epbalzeorthynchus kalopterus*
		Sebarau	Carp	*Hampala macrolepidota*
		Kap Perak	Silver Carp	*Hypophthalmichthys molitrix*
		Pucuk Pisang	Carp/Barb	*Labiobarbus fasciatus*
		Lomah	Carp/Barb	*Labiobarbus ocellatus*
		Jelawat	River Carp	*Leptobarbus hoevenii*
		Kap Hitam	Black Carp	*Mylopheryngodon piceus*
		Sia	Carp	*Mystacoleucus marginatus*
		Terbol	Carp	*Osteochilus hasseltii*
		Lalang	Carp	*Oxygaster anomalura*
		Bulu Ayam	Moustached thryssa	*Thryssa mystax*
		Temoleh, Temelian	Malaysian Carp	*Probarbus jullieni*
		Putih, Tebal Sisek	Common Barb	*Puntius binotatus*
		Tengalan	Carp/Barb	*Puntius bulu*
		Kerai Kunyit	Carp/Barb	*Hyrsibarbus sp*
		Lampam Jawa	Javanese Carp	*Puntius gonionotus*
		Bagoh	Spanner Barb	*Puntius lateristriga*
		Lampam Sungai	River Carp	*Puntius schwarefeldii*
		Susur Batang	Brilliant Rasbora	*Rasbora einthovenii*
		Seluang	Two-spot Rasbora	*Rasbora elegans*
		Kelah	River Carp	*Tor tambroides*
12	Tilapias and Cichids	Tilapia	Tilapia	*Tilapia mossambica*
13	Miscellaneous freshwater fishes	Puyu	Climbing Perch	*Anabas tertudineus*
		Tuna	Rivel Eel	*Anquilla bicolor/A.nebulosa*
		Kepala Timah	White Spot	*Aplocheilus panchax*

ISSCAAP Code	Division Group of Species	Local Name	English Name	Scientific Name
		Lali-lali	Loach	*Botia spp.*
		Kecil Kayu/Keli Bunga	Freswater Catfish	*Clarias batrachus/C. marcrocephalu*
		Limbat	Freshwater Catfish	*Clarias nieuhofi*
		Belut	Swamp Eel	*Fluta alba*
		Temakang	Kissing Gourami	*Helostoma temminckii*
		Susoh Batu	Loach	*Homaloptera spp.*
		Baung	River Catfish	*Mystus spp.*
		Tengku Lolah	River Catfish	*Mystus wyckii*
		Belida	Feather Back	*Notopterus notopterus*
		Kalui	Giant Gourami	*Osphronermus goramy*
		Bujuk	Snake Head	*Ophicephalus lucius*
		Toman	Snake Head	*Ophicephalus micropeltes*
		Haruan	Snake Head	*Ophicephalus striatus*
		Ketutu	Goby	*Oxyeleotris marmoratus*
		Lawang	River Catfish	*Pangasius micronemus*
		Patin	River Catfish	*Pangasius pangasius*
		Kepar, Patung	Perch	*Pristolepis fasciatus*
		Kelisa	Sclerapages	*Scleropages formosus*
		Sepat Siam	Snakeskin Gouramy	*Trichogaster pectoralis*
		Sepat Ronggeng	Two-spot Gouramy	*Trichogaster trichopterus*
		Tapah	Giant Catfish	*Wallago spp.*
41	Freshwater Crustaceans	Udang Galah	Giant Freshwater Prawn	*Macrobrachium rosenbergii*

KLASIFIKASI PERANGKAAN PIAWAIAN IKAN LAUT MALAYSIA

STANDARD STATISTICAL CLASSIFICATION OF COMMON MALAYSIAN MARINE FISHES

ISSCAAP Code	Division Group of Species	Local Name	English Name	Scientific Name
	DIADROMOUS FISHES			
24	Shads	Kebasi / Selangat	Gizzard / Cahcunda shad	D *Anodontostoma chacunda*
	Milk fishes,	Puput	Shad	D *Pellona spp.*
	etc.	Beliak mata	Elongated ilisna	D *Ilisha elongata*
		Terubok	Longtail shad	P *Tenualosa macrura*
25	Miscellaneous Diadromous fishes	Siakap	Giant sea perch / Barramundi	D *Lates calcarifer*
	MARINE FISH			
31	Flounders,	Sebelah	Flatfish	D *Pseudorhombus spp.*
	Halibut	Lidah	Tonguefish / Tongue sole	D *Cynoglossus spp.*
	Soles, etc.	Togok	Halibut	D *Psettodes erumei*
33	Redfishes,	Bayan	Parrotfsih	D *Scarus spp./Thalassoma spp.*
	Basses,	Biji nangka	Goatfish	D *Upeneus sp. / Parupeneus spp.*
	Congers, etc	Daun baharu	Spotted sicklefish	D *Drepane spp.*
		Delah	Fusilier	D *Caesio spp. / Pterocaesio spp.*
		Dengkis / Debam	Spinefoot / Rabbitfish	D *Siganus spp.*
		Duri / Pulutan / Otek	Sea catfish	D *Arius sp. / Osteiogenoisus spp.*
		Gelama	Jewfish	D *Pennahia spp./ Johnius spp.*
		Tengkerong	Tiger-tooth croaker	D *Otolithes sp. / Protonibea spp.*
		Gerut-gerut	Grunter	D *Pomadasys spp.*
		Jebong	StarryTriggerfish	D *Abalistes stellaris*
		Jenahak	John's Snapper	D *Lutjanus johni*
		Kerisi bali	Sharp tooth jobfish	D *Pristipomoides spp.*
		Kaci	Sweetlips	D *Plectorhinchus spp.*
		Kapas laut	Majorras / Silver biddies	D *Gerres spp.*
		Kerapu	Grouper	D *Epinephelus sp. / Plectropomus spp. / Cephalopolis spp.*
		Kerisi	Threadfin bream	D *Nemipterus spp. / Pentapodus spp.*
		Pasir2/ Timun2/ Puyu laut	Monocle bream	D *Scolopsis spp.*
		Kikek	Ponyfish	D *Leiognathus spp. / Secutor spp. / Gazza spp.*
		Lumi-lumi	Bombay-duck	D *Harpodon nehereus*
		Malong	Pike congerl	D *Muraenesox spp.*
		Merah	Red snapper	D *Lutjanus malabaricus/L.sebae*

ISSCAAP Code	Division Group of Species	Local Name	English Name		Scientific Name
		Tanda	Russel's Snapper	D	*Lutjanus russelli*
		Mengkerong / Ubi /	Lizard fish	D	*Saurida spp. / Trachinocephalus spp./*
		Puntung damar / Bulus-bulus	Sillago-whitings	D	*Sillago spp.*
		Pelandok	Emperors	D	*Lethrinus spp.*
		Peluru	Spadefish	D	*Ephippus orbis*
		Remong / Kunyit-kunyit	Snapper	D	*Lutjanus lineolatus / Lutjanus vittus*
		Semilang	Eel catfish	D	*Plotosus spp.*
		Shrumbu / Lemah	False trevally	D	*Lactarius lactarius*
34	Jacks,	Aji-aji	Blackbanded trevally	D	*Seriolina nigrofasciata*
	Mullets,	Alu-alu / Kacang-kacang	Barracuda	D	*Sphyraena spp.*
	Sauries, etc.	Aruan tasik	Cobia	D	*Rachycentron canadum*
		Cermin / Ebek / Cupak	Trevally/Indian threadfish	D	*Alectis indicus / Carangoides spp.*
		Demudok / Rambai	Horse mackerel / Trevally	D	*Carangoides spp.*
		Gerong-gerong	Golden trevally	D	*Gnathanodon speciosus*
		Bawal hitam	Black pomfret	P	*Parastromateus niger*
		Bawal putih	Silver pomfret	P	*Pampus argenteus*
		Bawal tambak	Chinese silver pomfret	P	*Pampus chinensis*
		Bawal selatan	Small pomfret	P	*Pampus spp.*
		Belanak / Kedera	Mullet	P	*Mugil spp. / Liza spp. / Valamugil spp.*
		Cincaru	Hardtail scad	P	*Megalaspis cordyla*
		Kurau / Senangin / Senohong	Threadfin	P	*Polynemus spp. / Eleutheronema spp.*
		Kerepoh	Bigeye trevally	P	*Caranx sexfasciatus*
		Lolong	Ox-eye scad	P	*Selar boops*
		Mata besar / Selar	Big-eye scad	P	*Selar crumenopthalmus*
		Selar / Pelata	Yellowtail scad	P	*Alepas spp./Atule mate*
		Selar kuning	Yellow-striped scad	P	*Selaroides leptolepis*
		Pisang-pisang	Rainbow runner	P	*Elagatis bipinnulatus*
		Selayang / Curut	Round scad	P	*Decapterus spp.*
		Talang	Queenfish / Leatherskin	P	*Scomberoides spp.*
35	Herrings	Bulan-bulan	Indo-pacific tarpon	D	*Megalops cyprinoides*
		Tamban sisek	Fringescale sardine	P	*Sardinella spp.*
		Tamban buloh / Tamban bulat	Rainbow sardine	P	*Dussumieris spp.*
		Bilis	Anchovy	P	*Stolephorus spp.*
		Parang-parang	Wolf herring	P	*Chirocentrus spp.*
36	Tunas,	Aya / Kayu / Tongkol hitam	Longtail tuna	P	*Thunnus tonggol*
		Aya / Kayu / Tongkol kurik	Eastern little tuna / Kawakawa	P	*Euthynnus affinis*
		Aya / Kayu / Tongkol selasih	Frigate tuna	P	*Auxis thazard*
		Aya / Kayu	Skipjack tuna	P	*Katsuwonus pelamis*
		Aya / Kayu / Tuna mata besar	Bigeye tuna	P	*Thunnus obesus*
		Aya / Kayu / Tuna sirip kuning	Yellowfin tuna	P	*Thunnus albacares*
	Billfishes, etc.	Layaran / Mersuji	Sailfish / Blue & Black marlin	P	*Istiophorus spp. / Makaira spp.*
		Tenggiri	Spanish mackerel	P	*Scomberomorus spp.*

ISSCAAP Code	Division Group of Species	Local Name	English Name		Scientific Name
37	Mackerels, Snoeks, Cutlass fishes etc.	Timah / Layor / Selayor	Large-head hairtail / Ribbon fish	D	*Trichiurus spp.*
		Kembong / Temenong / Pelaling	Indian mackerel / Short mackerel	P	*Rastrelliger spp.*
38	Sharks, Rays Chimaeras, etc	Yu	Sharks	D	*Carcharhinus spp. / Sphyrna spp.*
		Pari	Rays	D	*Himantura spp. / Gymnura spp. Myliobatis spp. / Aetobatus spp.*
39	Miscellaneous marine fishes	Ikan Baja	Trash fish	D	*Miscellaneous*
		Ikan Campur	Mixed fishes	D	*Mixed species*
	CRUSTACEAN				
42	Sea spiders, Crabs,etc.	Ketam laut/Ketam renjong/ Ketam batu	Blue swimming crab Indo-pacific swamp-crab		*Portunus pelagicus* *Scylla serrata*
43	Lobsters, Spiny rock lobsters, etc.	Udang karang Udang lobok	spiny lobster Slipper lobster		*Panulirus polyhagus* *Thenus orientalis*
45	Shrimps, Prawns, etc.	Udang/puteh/udang kaki merah/udang susu	Banana prawn/western king prawn		*Penaeus merguiensis/P.indicus/ P.latisulcatus*
		Udang harimau	Giant tiger prawn/ Green tiger prawn		*Penaeus monodon/P.semisulcatus*
		Udang pasir/Udang pasir kepala besar	Sand prawn		*Metapeneopsis stridulans & M.berbeensis/Trachypenaeus fulvus*
		Udang puteh kecil	Bridshrimp Small white prawn		*Metapenaeus lysianassa*
		Udang kuning	Yellow prawn		*Metapenaeus brevicornis*
		Udang merah ros/ Udang ekor biru	Gingja shrimp/ Greasyback shrimp		*Metapenaeus affinis/M. ensis/ M. intermedius*
		Udang kulit keras	Rainbow prawn		*Parapenaeopsis sculptilis*
		Udang minyak/ Udang minyak jalur	Sharp-rostrum prawn		*Parapenaeopsis hardwickii/ P. coromandelica/P. hunger fordi/ P. gracilima*
		Udang merah	Red prawn		*Solenocera subnuda*
	MOLLUSCS				
53	Oysters	Tiram	Rock oysters/Flat oysters		*Ostrea folium/Crassostrea spp.*
54	Mussels	Kupang/Siput Sudu/ Siput cangkul	Green mussel Sea-Green mussel		*Perna viridis* *Glauconome spp.*
56	Clams, Cockles, Arkshells, etc.	Kerang	Blood cockle		*Anadara granosa*
		Retak seribu	Carpet clam		*Paphia undulata*
		Lain-lain siput	Other clams/Snails		*Bivalves/ Gastropods*

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57	*Squids,*	Sotong biasa/ Cumit-cumit	Common squid	*Loligo spp.*
	Cuttlefishes,	Sotong katak	Cuttlefish	*Sepia spp.*
	Octopuses,etc.	Sotong kurita	Octopus	*Octopodidae*
	MISCELLANEOUS			
76	Sea-urchins, Sea-cucumbers & other echinoderms	Trepang	Sea cucumbers (Beche-de-mer)	*Holothuriodea*
77	Miscellaneous Aquatic inverterbrates	Ubur-ubur	Jellyfish	*Rhopilema spp.*

Notes: D = Demersal finfishes
P = Pelagic finfishes

ISSCAAP = International Standard Statistical Classification of Aquatic Animals and Plants