



KEMENTERIAN PERTANIAN
DAN INDUSTRI MAKANAN



Jabatan Perikanan
Malaysia



Jilid 1 / Volume 1

Perangkaan

TAHUNAN PERIKANAN

Annual Fisheries Statistics

2019

Perangkaan

Jilid 1 / Volume 1

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Kata Pengantar

Buku Perangkaan Tahunan Perikanan (Jilid 1) ini mengandungi beberapa seksyen yang merangkumi data dan maklumat penting mengenai industri perikanan Malaysia.

Data dan maklumat ini perlu dikumpul untuk dianalisis dan ianya diterjemahkan ke dalam dasar dan strategik perancangan pembangunan industri perikanan negara.

Dengan terkumpulnya data dan maklumat penting ini, Jabatan dapat merancang supaya industri perikanan berdaya saing dan inovatif di samping memastikan bekalan ikan negara mencukupi.

Jabatan ingin merakamkan setinggi-tinggi penghargaan atas kerjasama semua pihak dalam membekalkan data yang diperlukan. Jabatan juga mengalu-alukan sebarang cadangan untuk memperbaiki mutu penerbitan Buku Perangkaan Tahunan Perikanan di masa akan datang.

Preface

This Annual Fisheries Statistics Book (Volume 1) contains several sections covering data and information pertaining to fisheries industry in Malaysia.

These data and information have to be compiled to be analyzed and transformed into policies and planning strategies for the development of the country's fishing industry.

With all the accumulated data and information, the department can plan so that the fishing industry becomes more competitive and innovative while ensuring the sufficiency of fish supply to the nation.

The department gratefully acknowledges the co-operation of all parties concerned in providing the required data. We welcome any comments and suggestions towards improving our reports in the future.



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Nota Keterangan / Explanatory Notes

1. Jumlah angka-angka komponen mungkin tidak bersamaan dengan angka jumlah kecil atau besar disebabkan pembundaran
The sum of the component figures may not tally with the sub-total or total figures due to rounding

2. Kiraan usaha menangkap ikan
Fishing effort

- | | | | |
|----|---|---|---|
| a. | Kumulatif trip
<i>Cumulative no. of trips</i> | = | Unit operasi x purata trip menangkap ikan
<i>No. of fishing units x average fishing trips</i> |
| b. | Kumulatif hari
<i>Cumulative no. of days</i> | = | Unit operasi x purata hari menangkap ikan
<i>No. of fishing units x average fishing days</i> |
| c. | Kumulatif kali
<i>Cumulative no. of hauls</i> | = | Jumlah hari menangkap ikan x purata kali memukat ikan memukat ikan
<i>Total fishing days x average no. of hauls</i> |
| d. | Kumulatif masa
<i>Cumulative no. of hauling hours</i> | = | Jumlah kali memukat ikan x purata masa memukat ikan memukat ikan
<i>Total fishing hauls x average no. of hours</i> |

3. Definisi Akuakultur
Aquaculture Definition

- a. **Akuakultur adalah pembiakan benih ikan atau pemeliharaan biak ikan melalui perusahaan ternak keseluruhan atau sebahagian daripada peredaran hidupnya.**
Aquaculture is the propagation of fish seed or the raising of fish through husbandry during the whole or part of its life cycle.
- b. **Sistem Kolam adalah sistem ternakan ikan di dalam kolam.**
Pond Culture System is the system of fish culture in ponds.



- c. Sistem Sangkar** adalah sistem untuk memelihara ikan di dalam suatu kepungan yang dibuat daripada apa-apa bahan saringan yang diikat pada struktur yang dilabuhkan pada dasar perairan sungai atau mana-mana tempat di darat.

Cage Culture System is the system of fish culture in an enclosure on whatever shape or size made of any screening material and attached to floating structures which are anchored to the sea-bed.

- d. Sistem Bekas Lombong** adalah sistem untuk memelihara ikan di mana-mana tanah yang pernah (tetapi tidak lagi) diberi atau dikeluarkan pajakan lombong atau sijil lombong di bawah mana-mana undang-undang bertulis mengenai perlombongan.

Ex-mining Culture System is the system of fish culture on any land in respect of which a mining lease or certificate were once but no longer granted or issued under any written law relating to mining.

- e. Sistem Tangki** adalah sistem ternakan ikan di dalam tangki di atas tanah.

Tank Culture System is the system of fish culture in tanks on land.

- f. Sistem Para / Rak** adalah sistem memelihara rumput laut, kerang, tiram, kupang atau kekima pada tali atau dulang yang terampai atau disokong dengan tiang yang melintang daripada apa jua bahan dan tiang melintang ini adalah kemudiannya disokong oleh tiang yang menegak daripada apa jua bahan yang dipacakkan ke dasar laut.

Rack Culture System is the system of culturing seaweed, cockles, oysters, mussels or clams on ropes or trays suspended or supported from horizontal poles of whatever material and these horizontal poles are in turn supported by vertical poles of whatever material which are driven into the seabed.

- g. Sistem Kandang** adalah sistem yang merupakan suatu kepungan yang dibuat daripada bahan pengadang yang dilekatkan pada tiang yang ditanam ke dasar laut dan digunakan bagi maksud membesarkan atau memelihara ikan.

Pen Culture System is the system of fish culture in an enclosure made of any screening material attached to poles staked to the seabed.

- h. Sistem Kultur Di Dasar Laut** adalah sistem memelihara rumput laut, kerang, tiram, kupang atau kekima di dasar laut.

On-bottom Culture System is the system of culturing seaweeds, cockles, oysters, mussels or clams on the seabed.



4. Definisi Tuna

Tuna Definition

- | | | |
|---|---|--|
| a. Tuna Oceanik
<i>Oceanic Tuna</i> | - | Tuna Sirip Kuning, Tuna Mata Besar dan Albakor
<i>Yellow fin Tuna, Big Eye Tuna and Albacore</i> |
| b. Tuna Neritik
<i>Neritic Tuna</i> | - | Aya Hitam, Aya Kurik, Aya Selasih dan Aya Jalur
<i>Longtail, Kawakawa, Frigate and Skipjack</i> |
| c. Spesies Seakan Tuna
<i>Tuna Like Species</i> | - | Todak, Layaran, Mersuji dan Tenggiri
<i>Swordfish, Sailfish, Marlin and Spanish Mackerel</i> |

Simbol Dan Huruf Ringkas

Symbols And Abbreviations

R	Semakan semula <i>Revised</i>	N.R.RM	Nilai Runcit Dalam Ringgit Malaysia <i>Retail Value In Ringgit Malaysia</i>
na	Tidak Berkenaan <i>Not available</i>	RM	Ringgit Malaysia
-	Magnitud kosong atau tidak berkaitan <i>Magnitude zero or not applicable</i>	L	Lelaki <i>Male</i>
0 atau 0.00	Magnitude kecil / tidak penting <i>Magnitude insignificant</i>	P	Perempuan <i>Female</i>
GRT	Tan Kasar Berdaftar <i>Gross Registered Tonnage</i>	PCC	Penggunaan Per Kapita <i>Per capita Consumption</i>
N.B.RM	Nilai Borong Dalam Ringgit Malaysia <i>Wholesale Value in Ringgit Malaysia</i>	SSR	Kadar Sara Diri <i>Self-sufficiency ratio</i>





Profil Perikanan

Fisheries Profile

1.0 STATUS SEKTOR PERIKANAN DI MALAYSIA 2019

- 1.1 Jabatan Perikanan Malaysia (DOF) merupakan peneraju utama kepada pembangunan dan pemodenan sektor perikanan negara. Selaras dengan Dasar Agromakanan Negara (DAN), 2011-2020, DOF telah menetapkan misi bagi mengurus dan membangunkan sektor perikanan secara mapan, dinamik dan berdaya saing berasaskan kepada maklumat saintifik dan perkhidmatan yang berkualiti. Ini bagi memastikan jaminan bekalan makanan, pendapatan nelayan, penternak ikan dan pengusaha perikanan serta kemampunan pertumbuhan sektor akan terus menjadi objektif utama pembangunan industri perikanan.
- 1.2 Pada tahun 2019, pengeluaran sektor perikanan di Malaysia adalah sebanyak 1.87 juta tan metrik ikan makan, 287.5 juta ekor ikan hiasan dan 51.7 juta ikat tumbuhan akuatik dengan nilai RM15.26 bilion; peningkatan sebanyak 1.04% dari segi pengeluaran dan 2.65% dari segi nilai berbanding tahun 2018.
- 1.3 Sumbangan Keluaran Dalam Negara Kasar (KDNK) bagi sub sektor perikanan kepada pertanian adalah sebanyak 12% manakala sumbangan KDNK kepada negara sebanyak 0.9%. Kadar Pertumbuhan Tahunan (KPT) Perikanan dalam tempoh RMKe-11 (sehingga 2019), secara keseluruhannya menyumbang sebanyak 0.04%.
- 1.4 Sektor perikanan masih kekal sebagai instrumen penting yang menjadi sumber kepada makanan, sumber pendapatan, nutrisi dan kehidupan rakyat Malaysia. Pada tahun 2019, penggunaan ikan perkapita (PCC) adalah sebanyak 46.4kg/orang dengan tahap sara diri (SSL) mencecah 93%. Defisit imbalan dagangan (BOT) telah membaik kepada - RM1.07 bilion berbanding tahun sebelumnya - RM1.24 bilion iaitu sebanyak 13.7%.
- 1.5 Secara keseluruhannya, sektor perikanan mencapai prestasi yang lebih baik pada tahun 2019, terutamanya dari sumbangan pengeluaran, nilai ditambah dan tahap sara diri. Cabaran menguruskan sumber perikanan yang semakin kompleks dan mencabar akan diteruskan ke arah pencapaian sasaran DAN tahun 2020.

1.0 STATUS OF FISHERIES SECTOR IN MALAYSIA 2019

- 1.1 *The Department of Fisheries Malaysia (DOF) is the key leader in the development and modernization of the country's fisheries sector. In line with the National Agrofood Policy (NAP) 2011-2020, DOF has set a mission to manage and develop the fisheries sector in a sustainable, dynamic and competitive manner based on scientific information and quality services. This is to ensure that food security, income of fishermen, fish breeders and fishery entrepreneurs, as well as the sector's sustainable growth will continue to be the primary objective of the fishing industry's development.*
- 1.2 *In 2019, the fisheries sector has successfully recorded a production of 1.87 million metric tonnes of food fish, 287.5 million pieces of ornamental fish, and 51.7 million bundles of aquatic plant with a value of RM15.26 billion, an increase of 1.04% in terms of production and 2.65% in terms of value compared to 2018.*
- 1.3 *The fisheries sub-sector of agriculture has contributed approximately 12% to the Gross Domestic Product (GDP), 0.9% of national GDP and 0.04% growth rate of the 11th Malaysia Plan.*
- 1.4 *The fisheries sector remains an important instrument to produce food and nutrition, generate incomes, and indirectly improves the welfare of its communities. In 2019, the Per Capita Consumption (PCC) was recorded at 46.4kg/ person/ year with Self Sufficiency Level (SSL) of 93%. Whereas the Balance of Trade (BOT) has improved from -RM1.24 billion in 2018 to -RM1.04 billion in 2019 at 13.7%.*
- 1.5 *The fisheries sector has progressed positively in 2019, especially in terms of production, value added and the self-sufficiency level. The challenges in managing the fisheries resources will continuously become more complex towards our efforts to achieve the NAP objectives in 2020.*



2.0 PERIKANAN TANGKAPAN

- 2.1 Dari jumlah pengeluaran ikan negara, sub-sektor perikanan tangkapan yang merangkumi laut pantai dan laut dalam telah menyumbang sebanyak 1,455,446 tan metrik atau 77.7% bernilai RM11.336 bilion, iaitu peningkatan kuantiti sebanyak 0.18% dan peningkatan nilai sebanyak 0.21% berbanding tahun 2018.
- 2.2 Di bawah sub-sektor ini, perikanan pantai masih kekal sebagai penyumbang utama dengan pengeluaran sebanyak 1,192,354 tan metrik bernilai RM9.79 bilion atau 82%. Manakala selebihnya 18% adalah sumbangan perikanan laut dalam sebanyak 263,093 tan metrik bernilai RM1.55 bilion.
- 2.3 Sejumlah 815,816 tan metrik iaitu 56% ikan didaratkan di perairan negeri di Pantai Barat Semenanjung Malaysia dan Malaysia Timur (perairan Sabah, Sarawak dan Labuan) serta Pantai Timur Semenanjung Malaysia masing-masing menyumbang sebanyak 371,483 tan metrik (25%) dan 268,147 tan metrik (19%) kepada pendaratan ikan di Malaysia.
- 2.4 Pendaratan ikan marin merangkumi ikan pelagik sebanyak 38.5% iaitu 560,879 tan metrik, 24.6% ikan demersal iaitu 357,934 tan metrik dan 36.9% udang, sotong, ikan baja dan lain-lain iaitu 536,633 tan metrik.
- 2.5 Sejumlah 126,595 orang nelayan telah direkodkan bekerja di atas vesel penangkapan ikan yang berlesen pada tahun 2019 melibatkan seramai 95,443 nelayan tempatan dan 31,152 nelayan asing (bukan warganegara Malaysia) yang terdiri daripada rakyat Thailand, Indonesia dan Vietnam.
- 2.6 Bilangan vesel penangkapan ikan yang berlesen di Malaysia adalah sebanyak 50,945 di mana hampir 84% daripadanya adalah vesel yang beroperasi di Zon A yang menggunakan peralatan menangkap ikan tradisional dan juga pukot jerut bilis. Manakala selebihnya adalah beroperasi di Zon B (5,371 unit), Zon C (2,293 unit) dan Zon C2 dan C3 (533 unit) dengan menggunakan peralatan pukot tunda, pukot jerut dan juga rawai tuna.

2.0 CAPTURE FISHERIES

- 2.1 *The total production of fish is mainly contributed by capture fisheries which consists of coastal and deep-sea fisheries with landings of 1,455,446 metric tonnes or 77.7% with a value of RM11.336 billion; an increase of 0.18% in quantity and 0.21% in value compared to 2018.*
- 2.2 *The coastal fisheries remains the major contributor of the total production with 1,192,354 metric tonnes (82%) worth RM9.79 billion. Meanwhile, the remaining 18% is contributed by deep sea fishery with recorded landings of 263,093 metric tonnes worth RM1.55 billion.*
- 2.3 *A total of 815,816 metric tonnes i.e. 56% of fish landed on the West Coast of Peninsular Malaysia. Meanwhile, East Malaysia (Sabah, Sarawak, and Labuan waters) and East Coast of Peninsular Malaysia contributed 371,483 metric tonnes (25%) and 268,147 metric tonnes (19%) to the total landings respectively.*
- 2.4 *The landing of marine fish includes pelagic fish which is 560,879 tonnes (38.5%), 357,934 tonnes (24.6%) of demersal fish and 536,633 metric tonnes (36.9%) of shrimp, squid, trash fish and others.*
- 2.5 *In 2019, a total of 126,595 fishermen were recorded working on licensed fishing vessels, involving 95,443 local fishermen and 31,152 foreign fishermen (non-Malaysian) comprising Thai, Indonesia and Vietnam Nationals.*
- 2.6 *There are 50,945 licensed fishing vessels in Malaysia, of which almost 84% are vessels operating in Zone A with traditional fishing gear and anchovy purse seine. The remaining 16% are operating in Zone B (5,371 units), Zone C (2,293 units) and Zone C2 as well as C3 (533 units) using mainly trawl net, purse seine and tuna long line.*



- 2.7 Eksploitasi berlebihan akan menyebabkan penurunan sumbangan kepada pengeluaran ikan negara. Pengurusan sumber perikanan negara perlu diurus sebaiknya agar ianya kekal menyumbang pada tahap tertinggi secara mapan. Bagi memastikan kelestarian sumber perikanan ini, pengurusan perikanan dilaksanakan melalui pelesenan dan pemuliharaan habitat penting untuk kelangsungan hidup sumber perikanan dan kesihatan ekosistem akuatik.
- 2.8 Usaha-usaha ini menyumbang kepada jaminan sumber perikanan bagi membangunkan industri perikanan seterusnya ekonomi nelayan yang amat bergantung kepada sumber ini.

3.0 AKUAKULTUR

- 3.1 Sub-sektor akuakultur pula telah mencatatkan pengeluaran sebanyak 411,782 tan metrik yang bernilai RM3.304 bilion iaitu 22% dari pengeluaran ikan negara. Ianya menunjukkan prestasi yang baik berbanding tahun sebelumnya dengan peningkatan kuantiti sebanyak 5.19% dan peningkatan nilai sebanyak 8.10% berbanding tahun 2018.
- 3.2 Sebanyak 75% dari pengeluaran sub-sektor akuakultur ini adalah dari komoditi ternakan air payau yang mana 46% daripadanya adalah sumbangan pengeluaran rumpai laut sebanyak 188,111 tan metrik dengan nilai RM65.86 juta. Ini diikuti dengan 29% sumbangan dari spesies ternakan akuakultur air payau yang lain seperti udang, ikan dan kerang-kerangan menyumbang sebanyak 119,069 tan metrik bernilai RM2.46 bilion. Manakala komoditi akuakultur air tawar menyumbang sebanyak 25% kepada pengeluaran keseluruhan sebanyak 104,602 tan metrik bernilai RM780 juta.

2.7 The overexploitation of marine resources will devastatingly reduce the fish landing. Therefore, a sustainable fisheries management is essential to ensure continuous fish supply for years to come. Thus, empowering fisheries management by focusing on licensing regulations and habitat restoration is indispensable for a long-lasting marine life and aquatic ecosystem.

2.8 These efforts contribute to the guarantee of fisheries resources to develop the fishing industry and the fishing economy which are highly dependent on these resources.

3.0 AQUACULTURE

3.1 The aquaculture has recorded a production of 411,782 metric tonnes, which valued at RM3.304 billion, equal to 22% of national fisheries production. This sector has shown positive performance compared to 2018 where the production has shown a significant increase of 5.19% in quantity and 8.10% in value.

3.2 Approximately 75% of aquaculture production was contributed by brackish water culture of which 46% is the contribution of seaweed production of 188,111 metric tonnes with a value of RM65.86 million. This was followed by a 29% contribution from other brackish aquaculture species such as shrimp, fish and shellfish contributing 119,069 metric tonnes worth RM2.46 billion. Meanwhile, freshwater aquaculture commodities contributed 25% to the total production of 104,602 metric tonnes worth RM780 million.



3.3 Sejumlah 20,149 penternak telah terlibat dalam industri akuakultur di mana sejumlah besar adalah terlibat dalam industri akuakultur air tawar yang merangkumi seramai 15,675 orang iaitu 77.8% daripada jumlah keseluruhan penternak akuakultur negara. Manakala seramai 4,474 orang penternak atau 22.2% terlibat dalam industri akuakultur air payau.

3.4 Pengeluaran ikan hiasan dan tumbuhan akuatik pada tahun 2019 menunjukkan penurunan berbanding dengan pengeluaran tahun sebelumnya. Pengeluaran yang direkodkan adalah sebanyak 287,531,539 ekor hiasan dengan nilai RM506.45 juta dan 51,705,533 ikat tumbuhan akuatik bernilai RM20.65 juta. Masing-masing merekodkan pengeluaran yang menurun bagi tahun 2019 sebanyak -11.62% dan -55.81% tetapi meningkat dari nilai iaitu 44.56% dan 3.63%.

3.5 Secara keseluruhannya, seluas 34,712 hektar kawasan yang merangkumi sistem ternakan kolam, sangkar, tangki, kandang, kerang-kerangan, rumpai laut, estet, bekas lombong telah direkodkan pada tahun 2019 bagi ternakan akuakultur di Malaysia. Hampir 80% iaitu seluas 27,722 hektar dari keseluruhan kawasan adalah bagi ternakan akuakultur air payau manakala selebihnya 6,161 hektar iaitu 20% adalah bagi ternakan akuakultur air tawar.

3.6 Memandangkan sumber perikanan tangkapan telah mencapai tahap penerokaan yang maksimum, pembangunan akuakultur dilihat amat berpotensi untuk dimajukan secara komersil bagi meningkatkan pengeluaran dan bekalan ikan dalam negara.

3.3 A total of 20,149 fish breeders have been involved in the aquaculture industry, where a large number are involved in the freshwater aquaculture, which includes a total of 15,675 people which is 77.8% of the total national aquaculture breeders. Meanwhile, a total of 4,474 farmers or 22.2% are involved in the brackish water aquaculture industry.

3.4 The ornamental fish and aquatic plant production in 2019 showed a decrease compared to the previous year's production. The recorded production is 287,531,539 pieces of ornamental fish with a value of RM506.45 million and 51,705,533 bundles of aquatic plant worth RM20.65 million. Respectively recorded declining production for 2019 of -11.62% and -55.81% but increased from values of 44.56% and 3.63%.

3.5 A total number of 34,712 hectares were utilized for aquaculture production using various culture systems, namely pond, cages, tanks, pens, mollusc system, estates, ex-mining pools and seaweed system. Almost 80% or 27,722 hectares were used for brackish water culture system and around 6,161 hectares (20%) were used in freshwater culture system.

3.6 As the catch fishing resources have reached the maximum level of exploration, aquaculture development is seen to have great potential for commercial development to increase the production and supply of fish in the country.



4.0 PERIKANAN DARAT

- 4.1 Perikanan darat atau perikanan tangkapan air tawar, walaupun kecil tetapi masih memberi sumbangan dengan mencatatkan pengeluaran sebanyak 5,569 tan metrik atau 0.3% daripada jumlah pengeluaran ikan negara bernilai RM90.17 juta. Terdapat isu penurunan pendaratan perikanan darat pada tahun 2019 iaitu sebanyak -8.55% dari segi kuantiti dan -27.49% dari segi nilai berbanding tahun 2018. Penurunan disebabkan aktiviti pemutihan nelayan dengan melibatkan nelayan darat yang menerima elaun sara hidup nelayan darat (ESHND) sahaja.
- 4.2 Pengurusan yang sistematik akan memastikan sumber perikanan darat mapan dan secara tidak langsung dapat memberikan manfaat kepada masyarakat setempat. Sumber perikanan darat juga masih berpotensi untuk dimajukan sebagai satu entiti komoditi ekonomi.

5.0 PENGELUARAN BENIH

- 5.1 Jumlah pengeluaran rega dan benih ikan pada tahun 2019 adalah sebanyak 6.65 bilion ekor di mana 5.42 bilion ekor adalah dari hatcheri air payau dan selebihnya 1.23 bilion ekor dari hatcheri air tawar seluruh Malaysia.
- 5.2 Dari jumlah tersebut, sebanyak 6.5 bilion ekor (97.7%) dihasilkan dari 520 buah hatcheri swasta yang banyak mengeluarkan benih/regu dari spesies kerapu, jenahak, siakap, tiram, udang marin, keli, patin, tilapia dan puyu. Manakala 150 juta ekor dikeluarkan oleh 20 buah hatcheri utama kerajaan yang menghasilkan spesies benih/regu dari spesies keli, tilapia merah, lampam jawa, lampam sungai, udang galah, siakap dan juga kerapu. Peranan pusat-pusat dan hatcheri kerajaan lebih bertumpu kepada aspek pemindahan teknologi, latihan dan khidmat nasihat teknikal kepada kumpulan sasar termasuk usaha penambahan stok ikan di perairan umum.
- 5.3 Bagi menjamin kemapanan industri pembenihan negara, keperluan benih ikan tempatan serta menghasilkan benih yang berkualiti dan bebas penyakit di samping mengurangkan import adalah amat penting untuk pembangunan industri akuakultur negara.

4.0 INLAND FISHERIES

- 4.1 *Although the reported production of inland fishery is relatively small, this sub-sector contributes about 5,569 metric tonnes or 0.3% from the total national fish production worth RM90.17 million. The total landing of inland fisheries in 2019 showed a decrease of -8.55% and -27.49% in quantity and value respectively, compared to 2018. The decrease is due to fishermen's regularization exercise involving inland fishermen who receive the ESHND allowance.*
- 4.2 *Systematic fisheries management will undoubtedly contribute to sustainable inland fishery stock, directly benefiting local communities. The inland fisheries stock has vast potential to be developed as a new source of economy.*

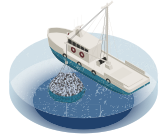
5.0 SEED / FISH FRY PRODUCTION

- 5.1 *In 2019, the fish fry production was recorded at 6.65 billion pieces, whereby 5.42 billion pieces were from brackish water hatcheries and 1.23 billion pieces from freshwater hatcheries throughout Malaysia.*
- 5.2 *From the total amount, 6.5 billion pieces (97.7%) were produced in 520 private hatcheries consisting grouper, snapper, sea bass, oysters, marine shrimp, catfish, catfish, tilapia, and climbing bass. Meanwhile, 150 million pieces were produced in 20 major government hatcheries consisting catfish species, red tilapia, carps, lobster, sea bass, and grouper. The government centres and hatcheries are more focused on technology transfer, training, and technical advice/extension services to stakeholders, including efforts to enhance fish stocks.*
- 5.3 *In ensuring sustainability of the national seed production industry, the need for local fish fry, producing high quality and disease-free seeds while reducing imports is very important for developing the country's aquaculture industry.*



MAKLUMAT AM PERIKANAN, 2019

Fisheries General Information, 2019



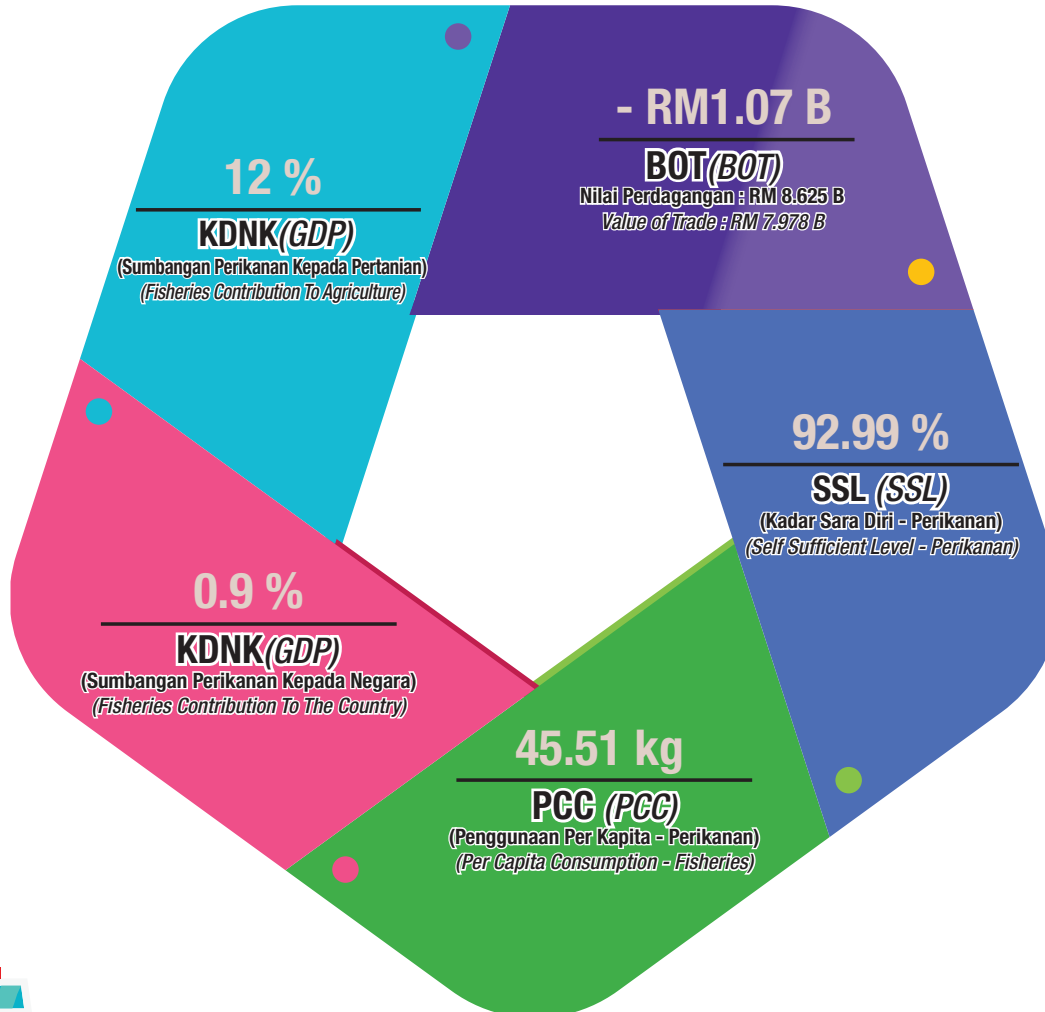
Perikanan Tangkapan
Capture Fisheries
0.6 %



Akuakultur
Aquaculture
0.3 %



Kadar Pertumbuhan Tahunan
Annual Growth Rate
0.04 %



Import / Import

RM 4.85 B

Ikan segar, beku, filet ikan,
krustasia dan moluska

Fresh, chilled, frozen fish, fish
fillet, crustacean and mollusc

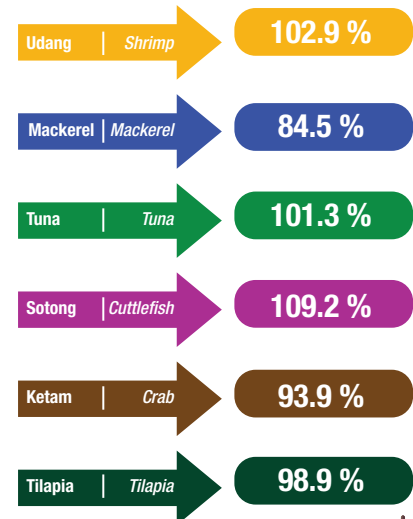
Eksport / Export

RM 3.78 B

Ikan segar dan beku, ikan proses,
udang, krustasia dan moluska, fishmeal

Fresh, chilled, frozen fish, processed
fish, crustacean and mollusc, fish meal

SSL Mengikut Komoditi Utama Perikanan (SSL of Fishery Commodities)



PROFIL PERIKANAN , 2019

Fisheries Profile, 2019

Nilai
Value
RM 15.26 bilion



1.87
juta t.m ikan makan
million m.t of Food Fish

287.5
juta t.m ekor ikan hiasan
million m.t of pieces Ornamental Fish

51.7
juta t.m ikat tumbuhan akuatik
million m.t of pieces Aquatic Plant



Perikanan Tangkapan Capture Fisheries

1.455 juta t.m
million m.t

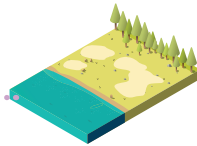


Bil Nelayan
No. of Fishermen
Bil Vesel
No. of Vessel

126,595 orang
person

50,945 buah
unit

77.7 %
RM 11.34 B



Akuakultur Aquaculture

411,782 t.m
m.t



Bil Penternak
No. of Culturist
Luas Ladang
Hectarage

20,149 orang
person

34,712 hektar
hectare

22.0 %
RM 3.3 B



Perikanan Darat Inland Fisheries

5,569 t.m
m.t



Bil Nelayan
No. of Fishermen

3,205 orang
person

0.3 %
RM 90.17 M

PENINGKATAN SEBANYAK
1.21%
dari segi pengeluaran
increased in quantity

1.85 juta t.m
million m.t
[2018] → **1.87** juta t.m
million m.t
[2019]

PENINGKATAN SEBANYAK
2.65%
dari segi nilai (RM)
increased in value [RM]

RM 15.26 B
[2019]
↑ **RM 14.86 B**
[2018]

PENGELUARAN DAN NILAI SEKTOR PERIKANAN, MALAYSIA, 2019

Production and Value of Fisheries Sector, Malaysia, 2019

SEKTOR PERIKANAN <i>Fisheries Sector</i> Kuantiti (MT) <i>Quantity (Tonnes)</i>		2018			2019			PERUBAHAN / <i>CHANGES (%)</i> (2018 - 2019)		
		Kuantiti (MT) <i>Quantity (Tonnes)</i>	Nilai (RM) <i>Value (RM)</i>	Guna Tenaga <i>Employment</i>	Kuantiti (MT) <i>Quantity (Tonnes)</i>	Nilai (RM) <i>Value (RM)</i>	Guna Tenaga <i>Employment</i>	Kuantiti (MT) <i>Quantity (Tonnes)</i>	Nilai (RM) <i>Value (RM)</i>	Guna Tenaga <i>Employment</i>
MAKANAN	PERIKANAN TANGKAPAN MARIN <i>(Marine Capture Fisheries)</i>	1,452,862.31	11,312,832,525	128,148	1,455,446.41	11,336,318,289	126,595	0.2%	0.2%	-1.2%
	Laut Pantai <i>(Inshore)</i>	1,192,722.24	9,838,281,581	115,280	1,192,353.57	9,785,938,045	115,756	-0.03%	-0.5%	0.4%
	Laut Dalam <i>(Deep Sea)</i>	260,140.06	1,474,550,943	12,868	263,092.84	1,550,380,245	10,839	1.1%	5.1%	-15.8%
	AKUAKULTUR <i>(Aquaculture)</i>	391,465.16	3,057,001,812	18,297	411,782.14	3,304,634,090	19,469	5.2%	8.1%	6.4%
	Air Tawar <i>(Freshwater)</i>	101,269.88	711,093,717	13,716	104,601.56	780,503,181	14,995	3.3%	9.8%	9.3%
	Air Payau / Marin <i>(Brackishwater)</i>	116,112.08	2,293,683,135	3,373	119,069.47	2,458,271,269	3,266	2.5%	7.2%	-3.2%
	Rumpai Laut <i>(Seaweed)</i>	174,083.20	52,224,960	1,208	188,111.10	65,859,640	1,208	8.1%	26.1%	0.0%
	PERIKANAN DARAT <i>(In-land Fisheries)</i>	6,089.08	124,359,770	4,703	5,568.70	90,172,062	3,205	-8.5%	-27.5%	-31.9%
	JUMLAH IKAN MAKANAN <i>(Total Food Fish)</i>	1,850,416.54	14,494,194,107	151,148	1,872,797.24	14,731,124,442	149,269	1.2%	1.6%	-1.2%
BUKAN	Ikan Hiasan <i>(Ornamental Fish)</i>	325,328,503	350,326,139	563	287,531,539	506,447,790	675	-11.6%	44.6%	19.9%
	Tumbuhan Akuatik <i>(Aquatic Plants)</i>	117,006,287	19,924,888	11	51,705,533	20,647,914	5	-55.8%	3.6%	-54.5%
	JUMLAH BUKAN MAKANAN <i>(Total Non Food Fish)</i>	-na-	370,251,026	574	-na-	527,095,703	680	-na-	42.4%	18.5%
JUMLAH BESAR (Grand Total)		-na-	14,864,445,133	151,722	-na-	15,258,220,145	149,949	-na-	2.6%	-1.2%



PENGELUARAN DAN NILAI SEKTOR PERIKANAN, MALAYSIA, 2014-2019

Production and Value of Fisheries Sector, Malaysia, 2014-2019

Tahun Year	2014		2015		2016		2017		2018		2019	
	Pengeluaran (t.m)	Nilai (RM Juta)	Pengeluaran (t.m)	Nilai (RM Juta)	Pengeluaran (t.m)	Nilai (RM Juta)	Pengeluaran (t.m)	Nilai (RM Juta)	Pengeluaran (t.m)	Nilai (RM Juta)	Pengeluaran (t.m)	Nilai (RM Juta)
Perikanan Tangkapan <i>Capture Fisheries</i>												
Laut Pantai <i>Inshore</i>	1,193,006	7,458	1,148,729	7,660	1,195,360	8,417	1,170,270	9,220	1,192,722	9,838	1,192,354	9,786
Laut Dalam <i>Deep Sea</i>	265,122	1,327	337,321	1,662	379,087	1,759	294,842	1,599	260,140	1,475	263,093	1,550
Akuakultur <i>Aquaculture</i>												
Air Tawar <i>Freshwater</i>	106,731	750	112,145	789	103,348	789	102,597	728	101,270	711	104,602	781
Air Payau <i>Brackishwater</i>	168,451	2,517	133,560	2,377	98,050	1,892	121,453	2,268	116,112	2,294	119,069	2,458
Rumpai Laut <i>Seaweed</i>	245,333	209	260,760	130	205,989	103	202,966	45	174,083	52	188,111	66
Perikanan Darat <i>Inland Fisheries</i>	6,520	75	5,924	72	5,848	90	5,177	93	6,089	124	5,569	90
Ikan Hiasan (ekor) <i>Ornamental Fish (pieces)</i>	393,050,770	353	383,698,326	341	456,409,468	456	324,813,016	327	325,328,503	350	287,531,539	506
Tumbuhan Akuatik (ikat) <i>Aquatic Plants (bundles)</i>	306,539,337	77	371,449,675	149	215,077,720	215	112,249,911	13	117,006,287	20	51,705,533	21



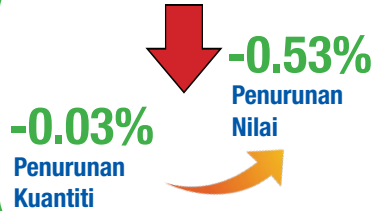


*Perikanan
Tangkapan*

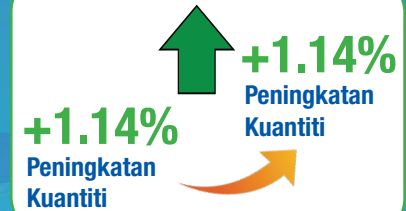
Capture Fisheries

PERIKANAN TANGKAPAN, 2019

Capture Fisheries, 2019



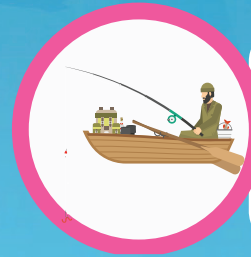
Tahun Year	Kuantiti (MT) Quantity (MT)	Nilai (RM B) Value (RM B)
2018	1,452,862	11.313
2019	1,455,446	11.336



18 %
LAUT DALAM
Deep Sea Fisheries

263,093
PENDARATAN (TM)
Landing (MT)

1.55 bilion
NILAI (RM)
Value (RM)



82 %
LAUT PANTAI
Coastal Fisheries

1,192,354
PENDARATAN (TM)
Landing (MT)

9.79 bilion
NILAI (RM)
Value (RM)

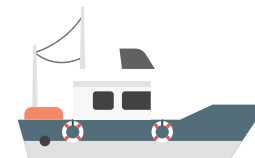
Tahun 2019 berlaku peningkatan kuantiti sebanyak 0.18% dan peningkatan nilai sebanyak 0.21% berbanding tahun 2018.

In 2019, there were an increased of landing as much as 0.18% in quantity and 0.21% in value compared to 2018



PROFIL PERIKANAN TANGKAPAN, 2019

Capture Fisheries Profile, 2019



PERALATAN MENANGKAP IKAN FISHING GEAR	Zon A Tradisional, Pukat Jerut Bilis Traditional, Anchovy Purse Seine	Zon B Pukat Jerut, Pukat Tunda, Kenka 2Bot Purse Seine, Trawl, Kenka Two Boats	Zon C Tradisional, Pukat Jerut, Pukat Tunda Traditional, Purse Seine, Trawl	Zon C2 + C3 Tradisional, Pukat Jerut, Pukat Tunda, Rawai Traditional, Purse Seine, Trawl, Long Line
BIL. VESEL NO. OF VESSEL (50,945)	42,748	5,371	2,293	533
BIL. NELAYAN NO OF FISHERMEN (126,595)	75,423	19,363	20,961	10,848
PENDARATAN LANDING (1,455,446.41)	420,885.23	380,813.46	390,654.89	263,092.84

SUMBANGAN PENDARATAN (%) LANDING CONTRIBUTION (%)

ZON KONSERVASI

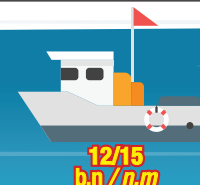
Akuakultur, Kerang, Komuniti
Nelayan
CONSERVATION ZONE Aquaculture,
Molluscs,
Fishermen Community

PELAGIK PELAGIC	43%
UDANG SHRIMP	11%
SOTONG CUTTLEFISH	1%
KETAM CRAB	2%
IKAN BAJA TRASH FISH	4%
DEMERSAL DEMERSAL	31%
LAIN-LAIN OTHERS	8%

PELAGIK PELAGIC	18%
UDANG SHRIMP	15%
SOTONG CUTTLEFISH	7%
KETAM CRAB	1%
IKAN BAJA TRASH FISH	35%
DEMERSAL DEMERSAL	21%
LAIN-LAIN OTHERS	3%

PELAGIK PELAGIC	35%
UDANG SHRIMP	1%
SOTONG CUTTLEFISH	8%
KETAM CRAB	1%
IKAN BAJA TRASH FISH	22%
DEMERSAL DEMERSAL	30%
LAIN-LAIN OTHERS	3%

PELAGIK PELAGIC	64%
UDANG SHRIMP	0%
SOTONG CUTTLEFISH	3%
KETAM CRAB	0%
IKAN BAJA TRASH FISH	16%
DEMERSAL DEMERSAL	13%
LAIN-LAIN OTHERS	4%



PENDARATAN 2019 MENGIKUT SPESIES UTAMA

Landing 2019 By Main Species

(673,505 TM/ 46%)

Pukat Tunda
Trawl



(341,585 TM/ 23.5%)

Pukat Jerut
Purse Seine



(258,691 TM/ 17.8%)

Pukat Hanyut
Drift Net



(110,617 TM/ 7.8%)

Pelbagai
Others



(43,890 TM/ 3%)

Pancing
Hook Line

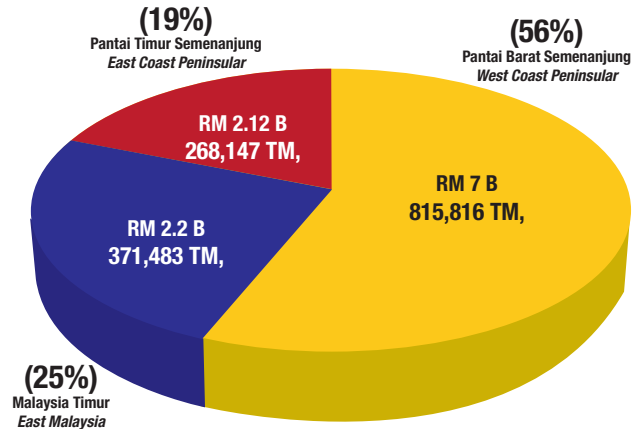


(27,158 TM/ 1.9%)

Lain Tarik
Other Seine Net



Negeri State	Pendaratan (TM) Landing (MT)	Nilai (RM) Value (RM)
Perlis	113,526	773,642,212
Kedah	149,258	1,859,297,894
P.Pinang	51,695	534,298,190
Perak	314,957	2,192,259,481
Selangor	156,424	1,187,477,325
N. Sembilan	678	9,714,141
Melaka	1,880	34,169,912
Johor	65,139	720,817,172
Pahang	99,746	731,471,679
Terengganu	40,454	395,189,901
Kelantan	90,205	674,345,238
Sabah	179,718	1,066,881,174
Sarawak	171,487	927,966,748
Labuan	20,278	228,787,222
Jumlah / total	1,455,446	11,336,318,289



SPESIES species	815,816	268,147	371,483
PELAGIK Pelagic	281,693	142,344	136,842
DEMERSAL Demersal	188,082	61,213	108,639
UDANG Shrimp	80,522	3,136	23,620
SOTONG Cuttlefish	40,373	13,914	16,317
BAJA / CAMPUR Trash Fish / Mix Fish	212,196	44,660	57,672
LAIN-LAIN Others	12,950	2,880	28,393



BILANGAN NELAYAN DAN VESEL PENANGKAPAN IKAN YANG BERLESEN MENGIKUT ZON, 2019

Number of Fishermen and Licensed Fishing Vessels by Zone, 2019

NEGERI <i>State</i>	Zon A/ Zone A		Zon B/ Zone B		Zon C/ Zone C		Zon C2/ Zone C2		Zon C3/ Zone C3		JUMLAH BESAR <i>Grand Total</i>	
	Nelayan <i>Fisherman</i>	Vesel <i>Vessels</i>	Nelayan <i>Fisherman</i>	Vesel <i>Vessels</i>	Nelayan <i>Fisherman</i>	Vesel <i>Vessels</i>	Nelayan <i>Fisherman</i>	Vesel <i>Vessels</i>	Nelayan <i>Fisherman</i>	Vesel <i>Vessels</i>	Nelayan <i>Fisherman</i>	Vesel <i>Vessels</i>
 Perlis	947	440	338	94	778	65	750	21	-	-	2,813	620
 Kedah	9,471	4,109	1,410	377	3,004	220	357	12	-	-	14,242	4,718
 Pulau Pinang	4,186	2,308	212	47	200	47	2	1	95	19	4,695	2,422
 Perak	6,593	3,135	3,354	1,361	5,226	705	1,955	143	-	-	17,128	5,344
 Selangor	4,084	2,551	1,550	551	1,725	182	-	-	-	-	7,359	3,284
 Negeri Sembilan	434	322	-	-	-	-	-	-	-	-	434	322
 Melaka	987	751	-	-	-	-	-	-	-	-	987	751
 Johor	8,746	4,216	1,195	317	1,430	156	2,074	70	-	-	13,445	4,759
 Pahang	2,155	962	878	199	3,435	355	1,564	61	-	-	8,032	1,577
 Terengganu	5,023	2,169	1,200	226	1,919	134	843	38	-	-	8,985	2,567
 Kelantan	2,684	1,200	378	93	446	59	1,781	59	-	-	5,289	1,411
 Sarawak	8,014	4,834	948	256	2,003	288	1,098	65	-	-	12,063	5,443
 Sabah	21,783	15,527	7,900	1,850	795	82	320	43	-	-	30,798	17,502
 Labuan	316	224	-	-	9	-	-	1	-	-	325	225
JUMLAH BESAR <i>Grand Total</i>	75,423	42,748	19,363	5,371	20,970	2,293	10,744	514	95	19	126,595	50,945



PENDARATAN DAN NILAI IKAN MARIN MENGIKUT NEGERI, 2019

Marine Fish Landings and Values by State, 2019

NEGERI (State)	Laut Pantai (Inshore Fishery)		Laut Dalam (Deep-Sea Fishery)		Jumlah (Total)	
	Kuantiti (MT) Quantity (Tonnes)	Nilai (RM Juta) Value (RM Million)	Kuantiti (MT) Quantity (Tonnes)	Nilai (RM Juta) Value (RM Million)	Kuantiti (MT) Quantity (Tonnes)	Nilai (RM Juta) Value (RM Million)
PANTAI BARAT (West Coast)						
 Perlis	69,112	478.23	44,415	295.41	113,526	773.64
 Kedah	145,938	1,827.27	3,320	32.02	149,258	1,859.30
 Pulau Pinang	48,887	495.79	2,808	38.50	51,695	534.30
 Perak	255,097	1,808.99	59,860	383.27	314,957	2,192.26
 Selangor	156,424	1,187.48	0.00	0.00	156,424	1,187.48
 N.Sembilan	678	9.71	0.00	0.00	678	9.71
 Melaka	1,880	34.17	0.00	0.00	1,880	34.17
 Johor Barat (West Johor)	27,398	404.58	0.00	0.00	27,398	404.58
Jumlah Kecil / Sub-Total	705,413	6,246.23	110,402	749.21	815,816	6,995.44
PANTAI TIMUR (East Coast)						
 Kelantan	49,947	431.29	40,259	243.06	90,205	674.35
 Terengganu	35,665	362.77	4,790	32.42	40,454	395.19
 Pahang	72,670	563.41	27,075	168.06	99,746	731.47
 Johor Timur (East Johor)	19,474	167.90	18,267	148.34	37,742	316.24
Jumlah Kecil / Sub-Total	177,755	1,525.36	90,391	591.89	268,147	2,117.25
SEMANJUNG MALAYSIA (Peninsular Malaysia)						
 Sarawak	116,696	762.47	54,792	165.50	171,487	927.97
 Sabah	172,724	1,028.09	6,994	38.79	179,718	1,066.88
 W.P Labuan	19,765	223.79	513	5.00	20,278	228.79
Jumlah Kecil / Sub-Total	309,185	2,014.35	62,299	209.29	371,484	2,223.64
MALAYSIA	1,192,354	9,785.94	263,093	1,550.38	1,455,446	11,336.32



PENDARATAN DAN NILAI IKAN TUNA MENGIKUT NEGERI, 2019

Tuna Fish Landings and Values by State, 2019

PENDARATAN TUNA <i>Tuna Landings</i>		SUMBANGAN* <i>Contributions* %</i>
TUNA OCEANIK		
KUANTITI / <i>Quantity</i> (Tan Metrik / <i>Tonnes</i>)	3,523.53	0.24
NILAI (RM JUTA)/ <i>Value (RM Million)</i>	44.30	0.39
TUNA NERITIK		
KUANTITI / <i>Quantity</i> (Tan Metrik / <i>Tonnes</i>)	87,404.10	6.01
NILAI (RM JUTA)/ <i>Value (RM Million)</i>	560.76	4.95
TUNA-LIKE		
KUANTITI / <i>Quantity</i> (Tan Metrik / <i>Tonnes</i>)	17,668.44	1.21
NILAI (RM JUTA)/ <i>Value (RM Million)</i>	357.18	3.15
JUMLAH (TOTAL)		
KUANTITI / <i>Quantity</i> (Tan Metrik / <i>Tonnes</i>)	108,596.08	7.46
NILAI (RM JUTA)/ <i>Value (RM Million)</i>	962.24	8.49

*Daripada Jumlah Pendaratan Ikan Marin / *From Total Landing Marine Fish
Kumpulan tuna mengikut definasi IOTC 2014 / Tuna group is in accordance with IOTC definition 2014



PENDARATAN MENGIKUT PERALATAN MENANGKAP IKAN, (2014-2019)
Landings by Gear Group, (2014-2019)

Pendaratan (Tan Metrik) <i>Landings (Tonnes)</i>	2014	2015	2016	2017	2018	2019
Pukat Tunda <i>Trawls Nets</i>	685,496	655,507	726,409	711,525	680,456	673,505
Pukat Jerut <i>Fish Purse Seines</i>	332,888	351,288	374,936	292,748	325,282	341,585
Jerut Bilis <i>Anchovy Purse Seines</i>	11,458	15,630	29,525	9,074	11,595	13,412
Pukat Hanyut <i>Drift / Gill Nets</i>	251,057	296,233	300,744	285,824	275,064	256,824
Lain-lain <i>Others</i>	177,229	167,392	142,832	165,942	160,465	170,121
Jumlah (Tan Metrik) <i>Total (Tonnes)</i>	1,458,128	1,486,051	1,574,447	1,465,113	1,452,862	1,455,446

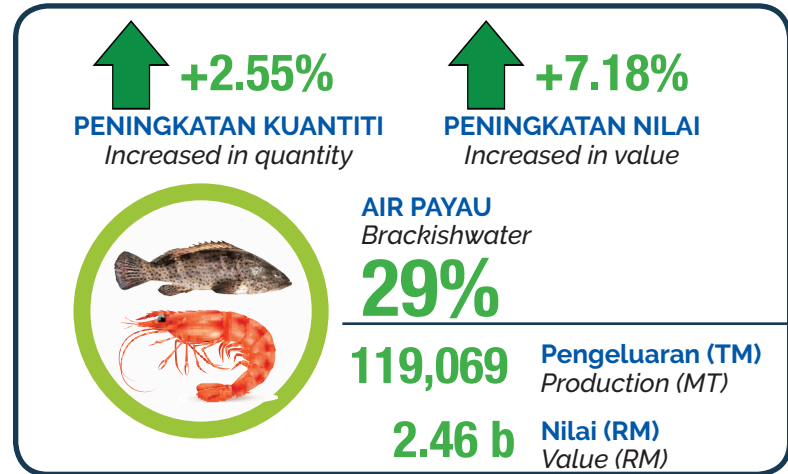
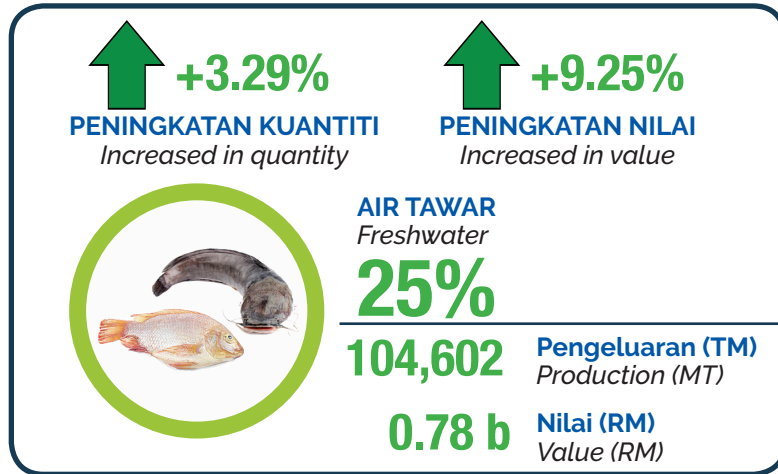




Akuakultur

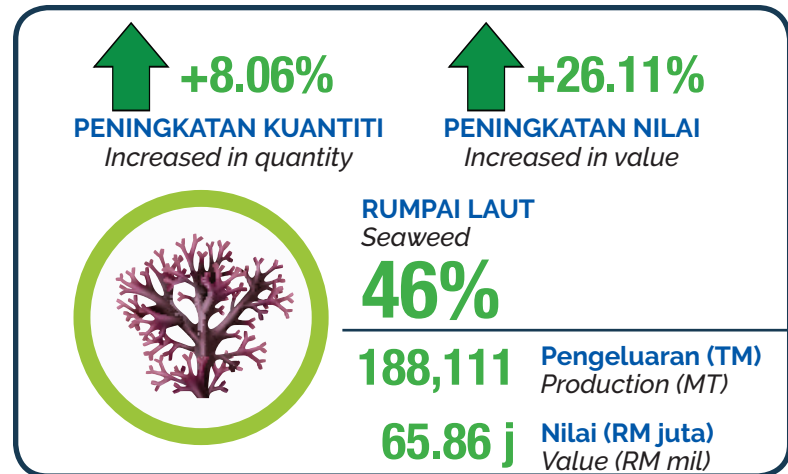
Aquaculture

AKUAKULTUR 2019 Aquaculture 2019



Tahun Year	Kuantiti (MT) Quantity (MT)	Nilai (RM B) Value (RM B)
2018	391,465	3.06
2019	411,782	3.30

Tahun 2019 berlaku peningkatan kuantiti sebanyak 5.19% dan peningkatan nilai sebanyak 8.10% berbanding tahun 2018
In 2019, there were an increased of aquaculture production by 5.19% in quantity and 8.10% in value compared to 2018



PROFIL AKUAKULTUR 2019

Aquaculture Profile 2019

34,712 Ha

KELUASAN
Hectarage

20,149 ORANG
Person

BIL PENTERNAK
No. of Culturist

SEKTOR AKUAKULTUR AQUACULTURE SECTOR	2018		2019		PERUBAHAN Changes (%)	
	Kuantiti (MT) Quantity	Nilai (RM B) Value B	Kuantiti (MT) Quantity	Nilai (RM B) Value B	Kuantiti Quantity	Nilai Value
Air Tawar Freshwater	101,270	0.71	104,602	0.78	3.29%	9.25%
Air Payau / Marin Brackishwater	116,112	2.29	119,069	2.46	2.55%	7.18%
Rumpai Laut Seaweed	174,083	52.22 mil	188,111	65.84 mil	8.06%	26.11%
JUMLAH TOTAL	391,465	3.06	411,782	3.30	5.19%	8.10%



RUMPAI LAUT
Seaweed

188,111 TM
MT
RM 65.86 Juta
MIL
9,836 HA
HA
1,208 ORANG
PERSON



**IKAN HIASAN &
TUMB AKUATIK**
Ornamental
Fish & Aquatic
Plant

287,531,539 EKOR
PIECES
RM 506.45 Juta
MIL
51,705,533 IKAT
BUNDLES
RM20.65 Juta
MIL
829 HA
HA
680 Orang
Person

AIR PAYAU
Brackish Water

307,181 TM
MT
RM 2.5 B
b
27,722 Ha
Ha
4,474 Orang
Person

KOLAM
Pond

64,895 TM
MT
7,494 Ha
Ha
702 Orang
Person

SANGKAR
Cage

37,001 TM
MT
318 Ha
Ha
1,325 Orang
Person

TANGKI
Tank

105.3 TM
MT
19 Ha
Ha
27 Orang
Person

KANDANG
Pen

384 TM
MT
40.4 Ha
Ha
393 Orang
Person

**KERANG-
KERANGAN**
Mollusc

16,683 TM
MT
10,013 Ha
Ha
711 Orang
Person

RUMPAI LAUT
Seaweed

188,111 TM
MT
9,836 Ha
Ha
1,208 Orang
Person

AIR TAWAR
Fresh Water

104,602 TM
MT
RM 0.77 B
b
6,161 Ha
Ha
14,995 Orang
Person

KOLAM
Pond

55,706 TM
MT
3,846 Ha
Ha
12,005 Orang
Person

SANGKAR
Cage

13,836 TM
MT
48 Ha
Ha
1,717 Orang
Person

TANGKI
Tank

6,676 TM
MT
39 Ha
Ha
1,007 Orang
Person

KANDANG
Pen

567 TM
MT
7.2 Ha
Ha
83 Orang
Person

BEKAS LOMBONG
Ex-Mining Pool

27,792 TM
MT
2,194 Ha
Ha
181 Orang
Person

ESTET
Estate

26 TM
MT
26 Ha
Ha
2 Orang
Person

PENGELUARAN DAN NILAI AKUAKULTUR MENGIKUT NEGERI

Production and Value of Aquaculture Sector by State

Negeri State	2018				2019				Perubahan / Changes (%)			
	Air Tawar Freshwater		Air Payau Brackishwater		Air Tawar Freshwater		Air Payau Brackishwater		Air Tawar Freshwater		Air Payau Brackishwater	
	Kuantiti Quantity	Nilai Value	Kuantiti Quantity	Nilai Value	Kuantiti Quantity	Nilai Value	Kuantiti Quantity	Nilai Value	Kuantiti Quantity	Nilai Value	Kuantiti Quantity	Nilai Value
Perlis	159.19	1,116,984	455.23	7,561,139	130.92	975,380	438.45	7,360,600	-17.76	-12.68	-3.69	-2.65
Kedah	3,120.77	16,647,797	7,048.38	125,880,982	3,461.60	19,562,168	9,021.27	172,832,330	10.92	17.51	27.99	37.30
Pulau Pinang	2,453.07	9,802,370	26,573.98	541,423,944	3,159.92	13,399,565	32,152.25	685,032,994	28.81	36.70	20.99	26.52
Perak	43,219.45	235,022,486	24,269.68	386,756,795	44,550.99	251,599,705	28,069.08	457,359,238	3.08	7.05	15.65	18.25
Selangor	12,425.91	109,783,810	6,827.89	145,777,074	16,620.01	167,536,790	4,622.99	127,088,101	33.75	52.61	-32.29	-12.82
Negeri Sembilan	4,109.63	37,234,949	620.59	15,449,211	3,875.94	33,539,980	799.16	19,336,662	- 5.69	- 9.92	28.77	25.16
Melaka	6,040.77	24,380,428	293.71	9,529,118	3,328.78	14,051,309	409.73	12,257,623	- 44.89	- 42.37	39.50	28.63
Johor	8,142.82	41,435,935	23,238.07	459,255,392	5,165.70	31,129,977	10,554.63	244,486,304	- 36.56	- 24.87	- 54.58	- 46.76
Pahang	8,153.71	100,012,357	4,415.31	109,642,074	8,971.54	107,678,357	5,030.62	125,441,507	10.03	7.67	13.94	14.41
Terengganu	3,437.90	34,430,556	1,912.85	38,267,299	2,356.34	24,141,485	2,112.44	44,594,819	- 31.46	- 29.88	10.43	16.54
Kelantan	4,226.62	26,504,714	1,688.75	34,845,294	4,954.13	27,136,217	1,495.47	30,152,213	17.21	2.38	- 11.44	- 13.47
Sarawak	3,530.76	45,054,090	3,913.63	79,861,228	5,557.10	57,188,886	5,689.38	133,579,824	57.39	26.93	45.37	67.26
Sabah	2,248.81	29,662,570	188,936.29	391,621,495	2,465.07	32,522,000	206,783.29	464,551,868	9.62	9.64	9.45	18.62
W.P. Labuan	0.47	4,670	0.92	37,050	0.54	5,360	0.82	28,840	14.78	14.78	- 10.43	- 22.16
W.P. Kuala Lumpur	0	0	0	0	3.00	36,000	1.00	27,989				
Jumlah/Total	101,269.88	711,093,717	290,195.28	2,345,908,095	104,601.56	780,503,181	307,180.57	2,524,130,909	3.3	9.8	5.9	7.6



PENGELUARAN DAN NILAI AKUAKULTUR AIR TAWAR, 2019
Production and Value of Freshwater Aquaculture, 2019

AKUAKULTUR AIR TAWAR <i>Freshwater Aquaculture</i>	2018		2019		PERUBAHAN <i>Changes (%)</i>	
	Kuantiti (MT) Quantity (Tonnes)	Nilai Value (RM '000)	Kuantiti (MT) Quantity (Tonnes)	Nilai Value (RM '000)	Kuantiti Quantity	Nilai Value
Keli <i>(Freshwater Catfish)</i>	33,419.58	151,051.00	28,464.07	128,559.77	-14.83	-14.89
Tilapia Merah <i>(Red Tilapia)</i>	25,199.89	246,339.37	31,844.83	332,932.26	26.37	35.15
Patin <i>(River Catfish)</i>	18,454.42	117,640.17	17,649.48	114,005.90	-4.36	-3.09
Tilapia Hitam <i>(Black Tilapia)</i>	5,790.29	38,846.72	3,714.59	28,893.59	-35.85	-25.62
Udang Galah <i>(Giant Freshwater Prawn)</i>	213.42	12,088.51	205.58	12,757.12	-3.68	5.53
Pelbagai <i>(Others)</i>	18,192.28	145,127.95	22,723.00	163,354.55	24.90	12.56
JUMLAH BESAR <i>Grand Total</i>	101,269.88	711,093.72	104,601.56	780,503.18	3.29	9.76



PENGELUARAN DAN NILAI AKUAKULTUR AIR PAYAU, 2019
Production and Value of Brackishwater Aquaculture, 2019

AKUAKULTUR AIR PAYAU <i>Brackishwater Aquaculture</i>	2018		2019		PERUBAHAN <i>Changes (%)</i>	
	Kuantiti (MT) <i>Quantity (Tonnes)</i>	Nilai Value (RM 'ooo)	Kuantiti (MT) <i>Quantity (Tonnes)</i>	Nilai Value (RM 'ooo)	Kuantiti <i>Quantity</i>	Nilai Value
Ikan Marin <i>(Marine Fish)</i>	49,767.94	1,062,618.96	48,506.43	1,049,203.44	-2.53	-1.26
Udang Marin <i>(Marine Prawn)</i>	45,923.23	1,114,951.96	53,413.70	1,257,745.91	16.31	12.81
Kerang <i>(Cockles)</i>	16,642.73	84,030.47	13,771.74	90,484.94	-17.25	7.68
Siput Sudu <i>(Mussels)</i>	996.89	5,020.85	1,220.63	6,131.73	22.44	22.13
Ketam <i>(Crabs)</i>	87.18	2,764.61	233.67	10,815.04	168.03	291.20
Rumpai Laut <i>(Seaweed)</i>	174,083.20	52,224.96	188,111.10	65,859.64	8.06	26.11
Pelbagai <i>(Others)</i>	2,694.12	24,296.29	1,923.30	43,890.21	-28.61	80.65
JUMLAH BESAR <i>Grand Total</i>	290,195.28	2,345,908.10	307,180.57	2,524,130.91	5.85	7.60



KUANTITI DAN NILAI PENGELUARAN AKUAKULTUR, (2014-2019)
Quantity and Value of Aquaculture Production, (2014-2019)

PENGELUARAN (TAN METRIK) <i>Production (Tonnes)</i>	2014	2015	2016	2017	2018	2019
AIR TAWAR / <i>Freshwater</i>	106,731.39	112,145.15	103,348.21	102,596.83	101,269.88	104,601.56
AIR PAYAU/ <i>Brackishwater</i>	168,450.68	133,559.80	98,049.90	121,453.02	116,112.08	119,069.47
RUMPAI LAUT/ <i>Seaweed</i>	245,332.80	260,760.30	205,989.20	202,965.58	174,083.20	188,111.10

NILAI (RM'000) <i>Value (RM'000)</i>	2014	2015	2016	2017	2018	2019
AIR TAWAR/ <i>Freshwater</i>	749,960.40	788,855.71	789,117.64	728,183.99	711,093.72	780,503.18
AIR PAYAU/ <i>Brackishwater</i>	2,516,713.42	2,377,227.47	1,891,634.05	2,268,093.77	2,293,683.14	2,458,271.27
RUMPAI LAUT/ <i>Seaweed</i>	208,532.88	130,380.15	102,996.35	44,661.03	52,224.96	65,859.64



KUANTITI PENGELUARAN AKUAKULTUR AIR TAWAR, (2014-2019)
Quantity of Freshwater Aquaculture Production, (2014-2019)

PENGELUARAN (TAN METRIK) <i>Production (Tonnes)</i>	2014	2015	2016	2017	2018	2019
Kolam <i>Ponds</i>	79,112.83	76,812.40	63,736.18	59,122.68	58,480.34	55,705.91
Bekas Lombong <i>Ex-mining Pools</i>	7,336.62	15,463.49	18,682.94	21,147.78	23,158.91	27,791.50
Sangkar <i>Cages</i>	14,376.25	13,667.82	15,559.02	16,537.18	13,993.90	13,836.18
Tangki Simen <i>Cement Tanks</i>	4,918.46	5,749.66	5,121.87	5,251.29	5,031.10	6,454.92
Tangki Kanvas <i>Canvas Tanks</i>	837.25	133.05	76.07	191.54	183.30	220.82
Kandang Ikan <i>Pen Culture</i>	149.99	318.72	172.13	346.36	386.97	566.73
Estet <i>Estet</i>	-	-	-	-	35.37	25.51



KUANTITI DAN NILAI PENGELUARAN AKUAKULTUR AIR PAYAU, (2014-2019)
Quantity and Value of Brackishwater Aquaculture Production, (2014-2019)

PENGELUARAN (TAN METRIK) <i>Production (Tonnes)</i>	2014	2015	2016	2017	2018	2019
Kolam/ <i>Ponds</i>	83,436.57	67,948.47	49,604.32	67,100.26	59,937.79	64,895.35
Sangkar/ <i>Cages</i>	42,155.18	45,980.28	35,461.97	36,881.91	37,444.02	37,001.29
Kerang/ <i>Cockles</i>	40,454.38	16,866.22	9,596.76	12,482.34	16,642.73	13,771.74
Siput Sudu/ <i>Mussels</i>	1,414.90	1,673.13	1,827.27	2,274.29	996.89	1,220.63
Lain-Lain/ <i>Others</i>	989.64	1,091.70	1,559.58	2,714.22	1,090.65	2,180.46
NILAI (RM'ooo) <i>Value (RM'ooo)</i>	2014	2015	2016	2017	2018	2019
Kolam/ <i>Ponds</i>	1,558,344.98	1,369,106.43	1,018,193.79	1,347,973.10	1,298,542.78	1,412,313.17
Sangkar/ <i>Cages</i>	872,319.69	951,332.76	803,481.77	807,212.65	879,509.60	895,136.58
Kerang/ <i>Cockles</i>	74,697.48	41,238.06	38,805.68	64,658.67	84,030.47	90,484.94
Siput Sudu/ <i>Mussels</i>	1,363.46	2,842.47	5,065.37	8,757.37	5,020.85	6,131.73
Lain-Lain/ <i>Others</i>	9,987.81	12,707.75	26,087.44	39,491.98	26,579.44	54,204.85



PENGELUARAN DAN NILAI IKAN HIASAN, 2019
Production and Value of Ornamental Fish, 2019

IKAN HIASAN <i>Ornamental Fish</i>	2018		2019		PERUBAHAN / <i>Changes</i> (%)	
	Kuantiti (Ekor) <i>Quantity (Pieces)</i>	Nilai Value (RM '000)	Kuantiti (Ekor) <i>Quantity (Pieces)</i>	Nilai Value (RM '000)	Kuantiti <i>Quantity</i>	Nilai Value
<i>Cyprinids</i>	100,103,414	112,097.51	99,653,669	98,058.43	-0.45	-12.52
<i>Anabantids</i>	19,694,038	24,137.80	22,645,770	39,818.66	14.99	64.96
<i>Poecilids</i>	45,243,216	13,047.37	44,601,416	22,048.18	-1.42	68.99
<i>Characins</i>	27,595,078	23,865.73	21,515,668	20,114.76	-22.03	-15.72
<i>Chichlids</i>	9,191,730	13,358.60	11,091,199	138,786.31	20.66	938.93
<i>Osteoglossids</i>	765,873	107,794.34	1,046,800	139,370.32	36.68	29.29
<i>Callichthyids</i>	46,860,027	44,474.38	200	1.50	-100.00	-100.00
<i>Cobitids</i>	-	-	-	-	-	-
<i>Loricariidae</i>	13,087,508	3,037.02	6,160,689	1,233.08	-52.93	-59.40
Lain-lain (<i>Others</i>)	62,787,619	8,513.39	80,816,128	47,016.56	28.71	452.27
JUMLAH BESAR <i>Grand Total</i>	325,328,503	350,326.14	287,531,539	506,447.79	-11.62	44.56



PENGELUARAN DAN NILAI TUMBUHAN AKUATIK, 2019
Production and Value of Aquatic Plants, 2019

TUMBUHAN AKUATIK <i>Aquatic Plants</i>	2018		2019		PERUBAHAN <i>Changes</i> (%)	
	Kuantiti (Ikat) <i>Quantity (Bundles)</i>	Nilai Value (RM '000)	Kuantiti (Ikat) <i>Quantity (Bundles)</i>	Nilai Value (RM '000)	Kuantiti <i>Quantity</i>	Nilai <i>Value</i>
 Kedah	9,855	22.74	17,640	36.12	79.00	58.82
 Negeri Sembilan	428,000	1,070.00	299,223	748.06	-30.09	-30.09
 Johor	116,564,716	18,802.41	51,384,340	19,829.10	-55.92	5.46
 Pahang	3,716	29.73	4,330	34.64	16.52	16.52
JUMLAH BESAR <i>Grand Total</i>	117,006,287	19,924.88	51,705,533	20,647.91	-55.81	3.63



PENGELUARAN DAN NILAI IKAN HIASAN, (2014-2019)
Production and Value of Ornamental Fish, (2014-2019)

Tahun / Year	2014	2015	2016	2017	2018	2019
Nilai (RM Juta) <i>Value (RM Million)</i>	352.7	341.1	456.4	327.0	350.3	506.4
Kuantiti (Juta Ekor) <i>Quantity (Million Pieces)</i>	393.1	383.7	402.3	324.8	325.3	287.5



PENGELUARAN REGA DAN BENIH DARI HATCHERI KERAJAAN DAN SWASTA, 2019
Production of Fish Fries and Hatchlings From Government and Private Hatcheries, 2019

REGA DAN BENIH <i>Hatchlings and Fries</i>	HATCHERI KERAJAAN <i>Government Hatchery</i>			HATCHERI SWASTA <i>Private Hatchery</i>			JUMLAH <i>Total</i>		
	2018	2019	Perubahan <i>Changes%</i>	2018	2019	Perubahan <i>Changes%</i>	2018	2019	Perubahan <i>Changes%</i>
Air Tawar <i>(Freshwater)</i>	14,870,371	15,409,878	3.63	1,306,711,104	1,172,004,808	-10.31	1,321,581,475	1,187,414,686	-10.15
Air Payau <i>(Brackishwater)</i>	87,270,363	124,467,879	42.62	565,798,224	127,768,382	-77.42	653,068,587	252,236,261	-61.38
Udang <i>(Prawn)</i>	11,915,760	11,935,847	0.17	6,474,892,952	5,200,107,156	-19.69	6,486,808,712	5,212,043,003	-19.65
Jumlah <i>Total</i>	114,056,494	151,813,604	33.10	8,347,402,280	6,499,880,346	-22.13	8,461,458,774	6,651,693,950	-21.39





Perikanan Darat

Inland Fisheries

PERIKANAN DARAT 2019 Inland Fisheries 2019

5,569

Kuantiti (MT)
Quantity (MT)

90.17

Nilai (RM B)
Value (RM B)



4,014 TM
RM 75.3 juta
SUNGAI
River

564 TM
RM 3.9 juta
BEKAS
LOMBONG
Ex-Mining
Pool

293 MT
RM 2.8 juta
EMPANGAN
Dam

592 MT
RM 6.7 juta
TASIK
Lake

105 MT
RM 1.4 juta
LAIN-LAIN
Others

Tahun 2019 berlaku penurunan kuantiti sebanyak -8.55% dan penurunan nilai sebanyak -27.49% berbanding tahun 2018.
In 2019, there were a decreased of -8.55% in quantity and -27.49% in value compared to 2019



PENDARATAN IKAN AIRTAWAR DARI PERIKANAN DARAT MENGIKUT PERAIRAN DAN NEGERI, 2019

Landings Of Freshwater Fish From Inland Fisheries By Waterbodies And State, 2019

Negeri State	Sungai Rivers	Bekas Lombong Ex-Mining Pools	Empangan Dams	Tasik Lakes	Lain-Lain Others	Jumlah Total
 Perlis	0.00	0.00	108.54	0.00	0.00	108.54
 Kedah	288.19	0.00	57.73	35.96	19.55	401.43
 Pulau Pinang	25.86	0.00	0.00	0.00	0.00	25.86
 Perak	1,071.91	516.83	0.00	536.56	40.08	2,165.38
 Selangor	64.34	0.00	0.00	0.00	0.00	64.34
 Negeri Sembilan	7.45	0.00	0.00	0.00	0.00	7.45
 Melaka	1.38	0.00	0.00	0.00	0.00	1.38
 Johor	33.57	0.00	33.78	0.00	0.00	67.34
 Pahang	513.15	47.04	93.20	16.11	37.54	707.04
 Terengganu	103.67	0.00	0.00	1.62	0.00	105.29
 Kelantan	114.18	0.00	0.00	1.71	8.28	124.16
 Sarawak	1,646.01	0.00	0.00	0.00	0.00	1,646.01
 Sabah	144.38	0.00	0.00	0.00	0.00	144.38
 W.P. Labuan	0.10	0.00	0.00	0.00	0.00	0.10
Jumlah/Total	4,014.18	563.87	293.25	591.96	105.44	5,568.70



PENDARATAN DAN NILAI PERIKANAN DARAT MENGIKUT PERAIRAN, 2019
Landings and Value of Inland Fisheries by Waterbodies, 2019

PERIKANAN DARAT <i>Inland Fisheries</i>	2018		2019		PERUBAHAN <i>Changes %</i>	
	Kuantiti (MT) <i>Quantity (Tonnes)</i>	Nilai <i>Value</i> (RM '000)	Kuantiti (MT) <i>Quantity (Tonnes)</i>	Nilai <i>Value</i> (RM '000)	Kuantiti (MT) <i>Quantity (Tonnes)</i>	Nilai <i>Value</i> (RM '000)
Sungai (<i>Rivers</i>)	4,845.09	111,568.51	4,014.18	75,291.48	-17.15	-32.52
Bekas Lombong (<i>Ex-Mining Pools</i>)	373.03	3,242.83	563.87	3,871.91	51.16	19.40
Empangan (<i>Dams</i>)	485.57	5,213.87	293.25	2,804.72	-39.61	-46.21
Tasik (<i>Lakes</i>)	306.94	3,397.30	591.96	6,754.13	92.86	98.81
Lain-lain (<i>Others</i>)	78.45	937.27	105.44	1,449.82	34.40	54.69
JUMLAH BESAR <i>Grand Total</i>	6,089.08	124,359.78	5,568.70	90,172.06	-8.55	-27.49



PENDARATAN DAN NILAI PERIKANAN DARAT, (2014-2019)

Production and Value of Inland Fisheries, (2014-2019)



Tahun / Year	2014	2015	2016	2017	2018	2019
Pendaratan (Tan Metrik) Landings (Tonnes)	6,520.00	5,924.19	5,847.97	5,177.19	6,089.08	5,568.70
Nilai (RM Juta) Value (RM Million)	75.13	71.68	89.51	93.31	124.36	90.17





Profil Perikanan Mengikut Negeri

Fisheries Profile By State

PERLIS

PROFIL PERIKANAN Fisheries Profile



PERIKANAN TANGKAPAN Capture Fisheries

113,526 tm **PENDARATAN IKAN**
mt Fish Landing



ORANG
Pax

947 Zon **A** **338** Zon **B**
778 Zon **C** **750** Zon **C2**

JUMLAH **2,813**
Total



VESEL
Vessel

440 Zon **A** **94** Zon **B**
65 Zon **C** **21** Zon **C2**

JUMLAH **620**
Total

AKUAKULTUR Aquaculture



ORANG
Pax

31 **AIR TAWAR**
Freshwater
7 **AIR PAYAU**
Brackishwater

JUMLAH
Total
38

AIR TAWAR
Freshwater
AIR PAYAU
Brackishwater

15 ha **KELUASAN**
ha Area
56 ha **KELUASAN**
ha Area

JUMLAH
Total
72 ha

AIR TAWAR
Freshwater
AIR PAYAU
Brackishwater

131 tm **PENGELUARAN**
mt Production
438 tm **PENGELUARAN**
mt Production

JUMLAH
Total
569 tm

KOMODITI UTAMA Main Commodities



237 tm
mt

SIKAP
Syabass



96 tm
mt

UDANG PUTIH
White Shrimp



16,957 tm
mt

PELALING
Short Bodfed Mackerel



13,374 tm
mt

SELAYANG
Sardine

KEDAH

PROFIL PERIKANAN Fisheries Profile



PERIKANAN TANGKAPAN Capture Fisheries

149,258 tm **PENDARATAN IKAN**
mt Fish Landing

9,471 Zon **A** **1,410** Zon **B**
3,004 Zon **C** **357** Zon **C2**
ORANG Pax

JUMLAH
Total **14,242**

4,109 Zon **A** **377** Zon **B**
220 Zon **C** **12** Zon **C2**
VESEL Vessel

JUMLAH
Total **4,718**

AKUAKULTUR Aquaculture



ORANG
Pax

353 AIR TAWAR
Freshwater

243 AIR PAYAU
Brackishwater

JUMLAH
Total
596

AIR TAWAR
Freshwater

AIR PAYAU
Brackishwater

113 ha
Area

937 ha
Area

KELUASAN
Area

KELUASAN
Area

JUMLAH
Total
1,050 ha

AIR TAWAR
Freshwater

AIR PAYAU
Brackishwater

3,462 tm
Production

9,021 tm
Production

PENGELUARAN
Production

PENGELUARAN
Production

JUMLAH
Total
12,483 tm

KOMODITI UTAMA Main Commodities

3,014 tm
KELI
Freshwater Catfish

2,981 tm
UDANG PUTIH
White Shrimp

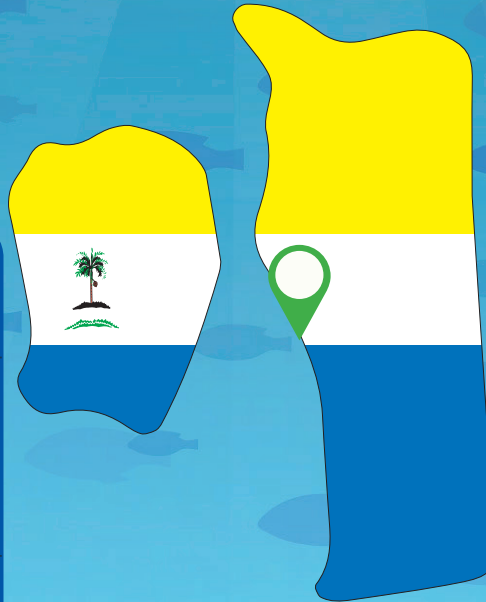
38,905 tm
PELALING
Short Bodfed Mackerel

9,980 tm
GELAMA
Croaker

PULAU PINANG

PROFIL PERIKANAN

Fisheries Profile



PERIKANAN TANGKAPAN

Capture Fisheries

51,695 tm **PENDARATAN IKAN**
mt Fish Landing

4,186 Zon **A** **212** Zon **B**
200 Zon **C** **97** Zon **C2**
ORANG Pax

JUMLAH
Total **4,695**

2,308 Zon **A** **47** Zon **B**
47 Zon **C** **20** Zon **C2**
VESEL Vessel

JUMLAH
Total **2,422**

AKUAKULTUR

Aquaculture

ORANG
Pax

49 AIR TAWAR
Freshwater
376 AIR PAYAU
Brackishwater

JUMLAH
Total
425

AIR TAWAR
Freshwater
AIR PAYAU
Brackishwater

44 ha
1,522 ha

KELUASAN
Area
KELUASAN
Area

JUMLAH
Total
1,565 ha

AIR TAWAR
Freshwater
AIR PAYAU
Brackishwater

3,159 tm
32,152 tm

PENGELUARAN
Production
PENGELUARAN
Production

JUMLAH
Total
35,312 tm

KOMODITI UTAMA

Main Commodities



3,240 tm
mt

GELAMA
Croaker



9,010 tm
mt

SIAKAP
Seabass



9,196 tm
mt

PELALING
Short Bodied Mackerel



5,559 tm
mt

JENAHAK
Snapper

PERAK

PROFIL PERIKANAN Fisheries Profile



PERIKANAN TANGKAPAN Capture Fisheries

314,957 tm **PENDARATAN IKAN**
mt Fish Landing

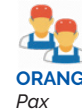
6,593 Zon **A** **3,354** Zon **B**
5,226 Zon **C** **1,955** Zon **C2**
ORANG Pax

JUMLAH **17,128**
Total

3,135 Zon **A** **1,361** Zon **B**
705 Zon **C** **143** Zon **C2**
VESEL Vessel

JUMLAH **5,344**
Total

AKUAKULTUR Aquaculture



1,003 AIR TAWAR
Freshwater
508 AIR PAYAU
Brackishwater

JUMLAH
Total
1,511

AIR TAWAR
Freshwater
AIR PAYAU
Brackishwater

3,131 ha
4,767 ha

KELUASAN
Area
KELUASAN
Area

JUMLAH
Total
7,898 ha

AIR TAWAR
Freshwater
AIR PAYAU
Brackishwater

44,551 tm
28,069 tm

PENGELUARAN
Production
PENGELUARAN
Production

JUMLAH
Total
72,620 tm

KOMODITI UTAMA Main Commodities

10,503 tm

KERANG
Cockle

8,933 tm

TILAPIA MERAH
Red Tilapia

26,471 tm

PELALING
Short Bodied Mackerel

33,916 tm

CONOR
Lizardfish

SELANGOR

PROFIL PERIKANAN

Fisheries Profile



PERIKANAN TANGKAPAN

Capture Fisheries

156,424 tm **PENDARATAN IKAN**
mt *Fish Landing*



ORANG
Pax

4,084 Zon **A** **1,550** Zon **B**

1,725 Zon **C** **2** Zon **C2**

JUMLAH
Total **7,359**



VESEL
Vessel

2,551 Zon **A** **551** Zon **B**

182 Zon **C** **2** Zon **C2**

JUMLAH
Total **3,284**

AKUAKULTUR

Aquaculture



ORANG
Pax

165 **AIR TAWAR**
Freshwater

358 **AIR PAYAU**
Brackishwater

JUMLAH
Total

523

AIR TAWAR
Freshwater

275 ha

KELUASAN
Area

JUMLAH
Total

AIR PAYAU
Brackishwater

5,125 ha

KELUASAN
Area

5,400 ha

AIR TAWAR
Freshwater

16,620 tm

PENGELUARAN
Production

JUMLAH
Total

AIR PAYAU
Brackishwater

4,623 tm

PENGELUARAN
Production

21,243 tm

KOMODITI UTAMA

Main Commodities



11,908 tm

TILAPIA MERAH
Red Tilapia



4,285 tm

KELI
Freshwater Catfish



12,026 tm

UDANG BARING
Aceres



8,003 tm

GELAMA
Croaker

NEGERI SEMBILAN

PROFIL PERIKANAN

Fisheries Profile



PERIKANAN TANGKAPAN Capture Fisheries

678 tm **PENDARATAN IKAN**
mt *Fish Landing*



434 Zon **A**

Zon **B**

Zon **C**

Zon **C2**

ORANG
Pax

JUMLAH **434**
Total



322 Zon **A**

Zon **B**

Zon **C**

Zon **C2**

VESEL
Vessel

JUMLAH **322**
Total

AKUAKULTUR Aquaculture



ORANG
Pax

407 **AIR TAWAR**
Freshwater

14 **AIR PAYAU**
Brackishwater

JUMLAH
Total
421

AIR TAWAR
Freshwater

292 ha

KELUASAN
Area

JUMLAH
Total

AIR PAYAU
Brackishwater

209 ha

KELUASAN
Area

501 ha

AIR TAWAR
Freshwater

3,876 tm

PENGELUARAN
Production

JUMLAH
Total

AIR PAYAU
Brackishwater

799 tm

PENGELUARAN
Production

4,675 tm

KOMODITI UTAMA Main Commodities



2,216 tm

TILAPIA MERAH
Red Tilapia



1,322 tm

KELI
Freshwater Catfish



44 tm

BELIAK MATA
Herring



41 tm

SENANGIN
Threadfin

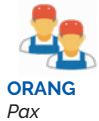
MELAKA

PROFIL PERIKANAN Fisheries Profile



PERIKANAN TANGKAPAN Capture Fisheries

1,880 tm **PENDARATAN IKAN**
mt Fish Landing



987 Zon **A** Zon **B**
Zone Zone
182 Zon **C** Zon **C2**
Zone Zone

JUMLAH **987**
Total



751 Zon **A** Zon **B**
Zone Zone
182 Zon **C** Zon **C2**
Zone Zone

JUMLAH **751**
Total

AKUAKULTUR Aquaculture



57 **AIR TAWAR**
Freshwater
13 **AIR PAYAU**
Brackishwater

JUMLAH
Total
70

AIR TAWAR
Freshwater
AIR PAYAU
Brackishwater

46 ha **KELUASAN**
ha Area
39 ha **KELUASAN**
ha Area

JUMLAH
Total
85 ha

AIR TAWAR
Freshwater
AIR PAYAU
Brackishwater

3,329 tm **PENGELUARAN**
mt Production
410 tm **PENGELUARAN**
mt Production

JUMLAH
Total
3,739 tm

KOMODITI UTAMA Main Commodities



2,615 tm **KELI**
mt Freshwater Catfish



457 tm **PATIN**
mt River Catfish



143 tm **DURI**
mt Catfish



106 tm **GELAMA**
mt Croaker



JOHOR

PROFIL PERIKANAN Fisheries Profile



PERIKANAN TANGKAPAN Capture Fisheries

65,139 tm
mt **PENDARATAN IKAN**
Fish Landing



ORANG
Pax

8,746 Zon A **1,195** Zon B
1,430 Zon C **2,074** Zon C2

JUMLAH
Total **13,445**



VESEL
Vessel

4,216 Zon A **317** Zon B
156 Zon C **70** Zon C2

JUMLAH
Total **4,759**

AKUAKULTUR Aquaculture



ORANG
Pax

162 AIR TAWAR
Freshwater
313 AIR PAYAU
Brackishwater

JUMLAH
Total
475

AIR TAWAR
Freshwater
AIR PAYAU
Brackishwater

196 ha
Area
1,941 ha
Area

KELUASAN
Area
JUMLAH
Total
2,137 ha

AIR TAWAR
Freshwater
AIR PAYAU
Brackishwater

5,166 tm
Production
10,555 tm
Production

PENGELUARAN
Production
JUMLAH
Total
15,720 tm

KOMODITI UTAMA Main Commodities



4,458 tm
mt

UDANG PUTIH
White Shrimp



3,482 tm
mt

KELI
Freshwater Catfish



5,533 tm
mt

AYA HITAM
Longtail Tuna

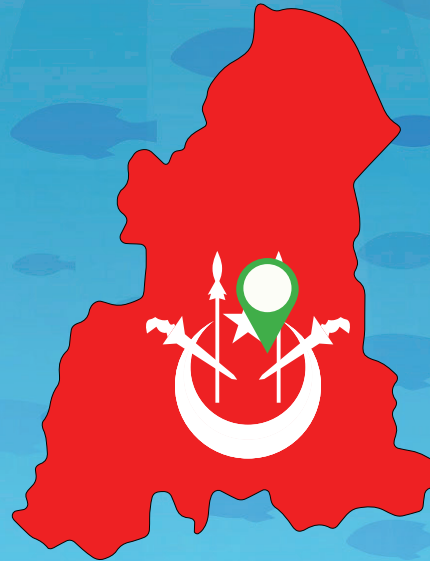


4,503 tm
mt

SELAYANG
Sardine

KELANTAN

PROFIL PERIKANAN Fisheries Profile



PERIKANAN TANGKAPAN Capture Fisheries

90,205 tm
^{mt} **PENDARATAN IKAN**
Fish Landing



ORANG
Pax

2,684 ^{Zon}
^{Zone} **A** **378** ^{Zon}
^{Zone} **B**
446 ^{Zon}
^{Zone} **C** **1,781** ^{Zon}
^{Zone} **C2**

JUMLAH
Total **5,289**



VESEL
Vessel

1,200 ^{Zon}
^{Zone} **A** **93** ^{Zon}
^{Zone} **B**
59 ^{Zon}
^{Zone} **C** **59** ^{Zon}
^{Zone} **C2**

JUMLAH
Total **1,411**

AKUAKULTUR Aquaculture



ORANG
Pax

660 **AIR TAWAR**
Freshwater
179 **AIR PAYAU**
Brackishwater

JUMLAH
Total **839**

AIR TAWAR
Freshwater
AIR PAYAU
Brackishwater

100 ^{ha}
^{ha} **KELUASAN**
Area
17 ^{ha}
^{ha} **KELUASAN**
Area

JUMLAH
Total **118** ^{ha}
^{ha}

AIR TAWAR
Freshwater
AIR PAYAU
Brackishwater

4,954 tm
^{mt} **PENGELUARAN**
Production
1,459 tm
^{mt} **PENGELUARAN**
Production

JUMLAH
Total **6,449** tm
^{mt}

KOMODITI UTAMA Main Commodities



2,688 tm
^{mt} **KELI**
Freshwater Catfish



1,909 tm
^{mt} **PATIN**
River Catfish



23,418 tm
^{mt} **AYA HITAM**
Longtail Tuna

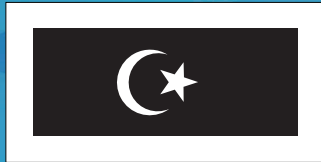


10,084 tm
^{mt} **BILIS**
Anchovies

TERENGGANU

PROFIL PERIKANAN

Fisheries Profile



PERIKANAN TANGKAPAN

Capture Fisheries

40,454 tm **PENDARATAN IKAN**
mt Fish Landing



ORANG
Pax

5,023 Zon **A** **1,200** Zon **B**
1,919 Zon **C** **843** Zon **C2**

JUMLAH
Total **8,985**



VESEL
Vessel

2,169 Zon **A** **226** Zon **B**
134 Zon **C** **38** Zon **C2**

JUMLAH
Total **2,567**

AKUAKULTUR

Aquaculture



ORANG
Pax

377 AIR TAWAR
Freshwater

123 AIR PAYAU
Brackishwater

JUMLAH
Total

500

AIR TAWAR
Freshwater

AIR PAYAU
Brackishwater

68 ha
KELUASAN
Area

448 ha
KELUASAN
Area

JUMLAH
Total

516 ha

AIR TAWAR
Freshwater

AIR PAYAU
Brackishwater

2,356 tm
PENGELUARAN
Production

2,112 tm
PENGELUARAN
Production

JUMLAH
Total

4,469 tm

KOMODITI UTAMA

Main Commodities



1,458 tm
UDANG PUTIH
White Shrimp



1,067 tm
TILAPIA MERAH
Red Tilapia



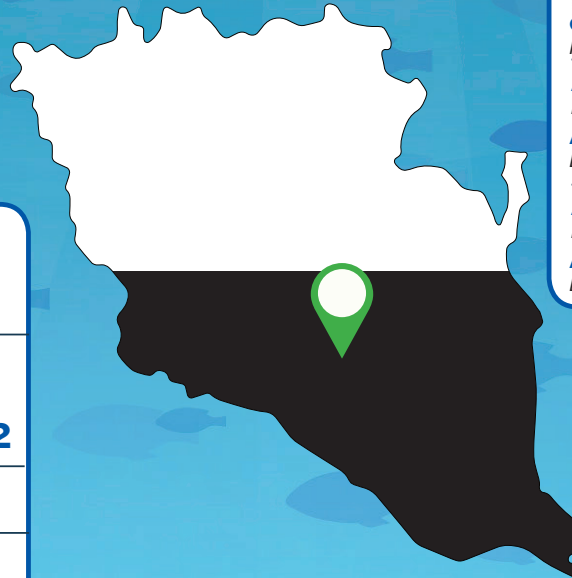
4,379 tm
KERISI
Bream



4,924 tm
SELAYANG
Sardine

PAHANG

PROFIL PERIKANAN Fisheries Profile



PERIKANAN TANGKAPAN Capture Fisheries

99,746 tm **PENDARATAN IKAN**
mt Fish Landing



ORANG
Pax

2,155 Zon **A** **878** Zon **B**
3,435 Zon **C** **1,564** Zon **C2**

JUMLAH
Total **8,032**



VESEL
Vessel

962 Zon **A** **199** Zon **B**
355 Zon **C** **61** Zon **C2**

JUMLAH
Total **1,577**

AKUAKULTUR Aquaculture



ORANG
Pax

1,554 **AIR TAWAR**
Freshwater
26 **AIR PAYAU**
Brackishwater

JUMLAH
Total
1,580

AIR TAWAR
Freshwater
AIR PAYAU
Brackishwater

183 ha
738 ha
KELUASAN
Area
KELUASAN
Area

JUMLAH
Total
921 ha

AIR TAWAR
Freshwater
AIR PAYAU
Brackishwater

8,972 tm
5,031 tm
PENGELUARAN
Production
PENGELUARAN
Production

JUMLAH
Total
14,002 tm

KOMODITI UTAMA Main Commodities



5,048 tm
PATIN
River Catfish



4,774 tm
UDANG PUTIH
White Shrimp



5,284 tm
TAMBAN
Sardine

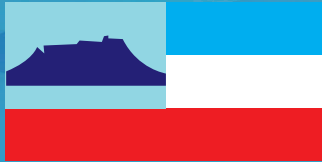


6,822 tm
SELAYANG
Sardine



SABAH

PROFIL PERIKANAN Fisheries Profile



PERIKANAN TANGKAPAN Capture Fisheries

209,248 tm **PENDARATAN IKAN**
mt Fish Landing

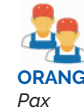
21,783 Zon **A** **7,900** Zon **B**
ORANG Pax **795** Zon **C** **320** Zon **C2**

JUMLAH
Total **30,798**

15,527 Zon **A** **1,850** Zon **B**
VESEL Vessel **82** Zon **C** **43** Zon **C2**

JUMLAH
Total **17,502**

AKUAKULTUR Aquaculture



6,069 AIR TAWAR
Freshwater
2,170 AIR PAYAU
Brackishwater

JUMLAH
Total
8,239

AIR TAWAR
Freshwater
AIR PAYAU
Brackishwater

684 ha
ha Area
11,473 ha
ha Area

JUMLAH
Total
12,157 ha
ha

AIR TAWAR
Freshwater
AIR PAYAU
Brackishwater

2,465 tm
tm Production
206,783 tm
tm Production

JUMLAH
Total
209,783 tm
tm

KOMODITI UTAMA Main Commodities

188,110 tm
mt

RUMPAI LAUT
Seaweed

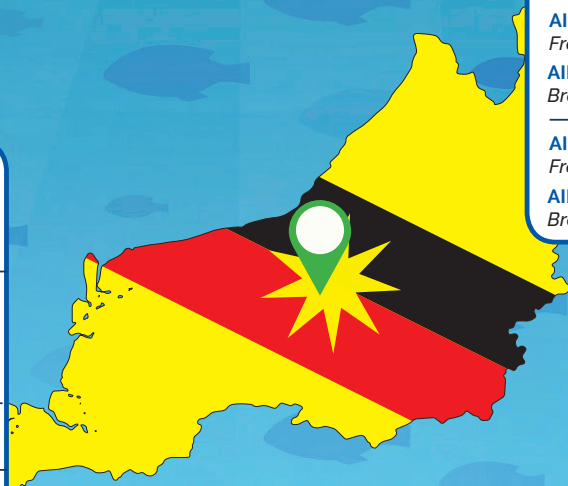
13,385 tm
mt

SELAYANG
Sardine

SARAWAK

PROFIL PERIKANAN

Fisheries Profile



PERIKANAN TANGKAPAN

Capture Fisheries

171,487 tm _{mt} **PENDARATAN IKAN**
Fish Landing



ORANG
Pax

8,014 ^{Zon} _{Zone} **A** **948** ^{Zon} _{Zone} **B**
2,003 ^{Zon} _{Zone} **C** **1,098** ^{Zon} _{Zone} **C2**

JUMLAH
Total **12,063**



VESEL
Vessel

4,834 ^{Zon} _{Zone} **A** **256** ^{Zon} _{Zone} **B**
288 ^{Zon} _{Zone} **C** **65** ^{Zon} _{Zone} **C2**

JUMLAH
Total **5,443**

AKUAKULTUR

Aquaculture



ORANG
Pax

4,106 ^{AIR TAWAR} _{Freshwater}
136 ^{AIR PAYAU} _{Brackishwater}

JUMLAH
Total
4,242

AIR TAWAR
Freshwater
AIR PAYAU
Brackishwater

1,014 ^{ha} _{Area} **KELUASAN**
451 ^{ha} _{Area} **KELUASAN**

JUMLAH
Total
1,465 ^{ha} _{ha}

AIR TAWAR
Freshwater
AIR PAYAU
Brackishwater

5,557 tm _{mt} **PENGELUARAN**
5,689 tm _{mt} **PENGELUARAN**

JUMLAH
Total
11,246 tm _{mt}

KOMODITI UTAMA

Main Commodities



3,001 tm _{mt}

TILAPIA MERAH
Red Tilapia



3,280 tm _{mt}

UDANG PUTIH
White Shrimp



15,857 tm _{mt}

OBOR-OBOR
Jellyfish



10,832 tm _{mt}

AYA JALUR
Skipjack Tuna



LABUAN

PROFIL PERIKANAN Fisheries Profile



PERIKANAN TANGKAPAN Capture Fisheries

20,278 tm **PENDARATAN IKAN**
mt Fish Landing

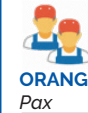
	316 Zon A	- Zon B
ORANG Pax	- Zon C	9 Zon C2

JUMLAH
Total **325**

	224 Zon A	- Zon B
VESEL Vessel	- Zon C	1 Zon C2

JUMLAH
Total **225**

AKUAKULTUR Aquaculture



1 AIR TAWAR
Freshwater
7 AIR PAYAU
Brackishwater

JUMLAH
Total
8

AIR TAWAR
Freshwater
AIR PAYAU
Brackishwater

0.004 ha
Area
0.13 ha
Area

KELUASAN
Area
JUMLAH
Total
0.134 ha
ha

AIR TAWAR
Freshwater
AIR PAYAU
Brackishwater

0.54 tm
Production
0.82 tm
Production

PENGELUARAN
Production
JUMLAH
Total
1.36 tm
mt

KOMODITI UTAMA Main Commodities



0.8 tm
mt

KERAPU HYBRID
Hybrid Grouper



632 tm
mt

KEMBUNG
Ladian Mackerel



544 tm
mt

SELAR
Scad



Lampiran

Attachment

BILANGAN NELAYAN YANG BEKERJA DI ATAS VESEL PENANGKAPAN IKAN YANG BERLESEN, 2019

Number Of Fishermen Working On Licensed Fishing Vessels, 2019

Keturunan Ethnic Group	Negeri State															Jumlah Besar Grand Total
Bumiputera <i>Bumiputeras</i>		1,014	10,035	2,762	3,053	1,610	216	802	7,517	3,907	6,520	2,986	8,505	24,188	293	73,408
Cina <i>Chinese</i>		-	1,004	1,703	7,985	4,140	183	107	2,341	651	746	-	617	340	23	19,840
India <i>Indians</i>		-	-	65	238	236	35	2	13	-	23	-	976	-	-	1,588
Lain-lain (Tempatan) <i>Others (Local)</i>		-	-	-	-	169	-	76	362	-	-	-	-	-	-	607
Thai <i>Thais</i>		1,628	2,838	70	3,543	510	-	-	2,449	1,962	1,281	2,070	285	-	-	16,636
Indonesia <i>Indonesians</i>		-	2	93	95	243	-	-	12	305	-	-	1,618	152	-	2,520
Vietnam <i>Vietnamese</i>		-	-	-	-	-	-	-	686	732	-	233	25	349	9	2,034
Lain-Lain (Asing) <i>Others (Foreigners)</i>		171	363	2	2,214	451	-	-	65	475	415	-	37	5,769	-	9,962
Jumlah Besar <i>Grand Total</i>		2,813	14,242	4,695	17,128	7,359	434	987	13,445	8,032	8,985	5,289	12,063	30,798	325	126,595

Nota: Bumiputera Termasuk Orang Melayu dan Kumpulan Bumiputera Lain.
Note: Bumiputeras Including Malays and Other Indigenous Groups



BILANGAN VESEL PENANGKAPAN IKAN YANG BERLESEN MENGIKUT NEGERI DAN KELAS MUATAN, MALAYSIA, 2019

Number Of Licensed Fishing Vessels By State And Tonnage Class, Malaysia, 2019

Negeri State	Jenis Type	Berjentera Dalam / Inboard - Powered								Berjentera Sangkut Outboard - Powered	Tidak Berjentera Non - Powered	Jumlah 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 & ke atas (& above)				Jumlah Kecil Sub-Total
Pantai Barat/West Coast:													
Perlis		-	36	17	11	23	66	65	21	239	381	-	620
Kedah		11	217	41	40	193	159	220	71	952	3,766	-	4,718
Pulau Pinang		37	110	46	8	2	45	47	20	315	2,107	-	2,422
Perak		239	1,061	183	421	145	244	707	153	3,153	2,190	1	5,344
Selangor		3	437	117	132	175	248	182	-	1,294	1,921	69	3,284
Negeri Sembilan		-	14	7	-	-	-	-	-	21	301	-	322
Melaka/Malacca		-	47	25	-	-	-	-	-	72	679	-	751
Johor Barat/West Johore		35	161	90	41	42	65	-	-	434	2,263	5	2,702
Jumlah Kecil/Sub-Total		325	2,083	526	653	580	827	1,221	265	6,480	13,608	75	20,163
Pantai Timur/East Coast:													
Kelantan		201	78	75	98	49	46	61	59	667	744	-	1,411
Terengganu		87	311	220	172	71	123	134	38	1,156	1,398	13	2,567
Pahang		1	85	119	81	47	149	358	61	901	674	2	1,577
Johor Timur/East Johore		25	59	89	46	17	157	156	70	619	1,437	1	2,057
Jumlah Kecil/Sub-Total		314	533	503	397	184	475	709	228	3,343	4,253	16	7,612
Malaysia: Semenanjung Malaysia/ (Peninsular Malaysia)		639	2,616	1,029	1,050	764	1,302	1,930	493	9,823	17,861	91	27,775
Sarawak		996	435	225	54	79	153	288	65	2,295	3,148	-	5,443
Sabah		868	698	334	308	412	551	82	43	3,296	11,142	3,064	17,502
W.P. Labuan/ Federal Territory Labuan		-	-	-	-	-	-	-	1	1	224	-	225
Jumlah Besar Grand Total		2,503	3,749	1,588	1,412	1,255	2,006	2,300	602	15,415	32,375	3,155	50,945

GRT- Gross Registered Tonnage.



BILANGAN PERALATAN MENANGKAP IKAN YANG BERLESEN MENGIKUT NEGERI, MALAYSIA, 2019

Number Of Licensed Fishing Gears By State, Malaysia, 2019

Peralatan Menangkap Ikan Fishing Gears	Pukat Tunda Trawl Nets	PUKAT JERUT IKAN Fish Purse Seines	Pukat Jerut Bilis Anchovy Purse Seines	Pukat Kenka Satu Bot Kenka One Boat	Pukat Kenka Dua Bot Kenka Two Boats	Pukat Tarik Lain Other Seines	Pukat Hanyut Drift/Gill Nets	Pukat Tangguk Lift Nets	Belat Stationary Traps	Bubu Portable Traps	Pancing Hooks & Lines	Pukat Bakul Bag Nets	Pukat Rentang Barrier Nets	Pukat Surung Push/Scoop Nets	Bintoh Ketam Crab Traps	Memungut Siput Shellfish Collection	Rampaian Miscellaneous	Jumlah Total
Negeri State																		
Pantai Barat (West Coast)																		
Pertlis	93	38	-	-	-	-	441	-	-	-	1	-	-	-	-	-	-	573
Kedah	407	166	59	-	-	-	3,977	-	1	-	3	5	-	-	-	-	-	4,618
Pulau Pinang	88	6	-	38	-	1	2,063	-	-	8	50	6	-	-	2	-	-	2,262
Perak	1,408	157	12	-	495	11	2,617	-	-	18	27	49	-	1	217	42	-	5,054
Selangor	688	34	-	-	-	-	2,280	42	1	22	73	103	6	-	-	13	17	3,279
Negeri Sembilan	-	-	-	-	-	1	306	-	-	6	9	-	-	-	-	-	-	322
Melaka	-	-	-	-	-	-	751	-	-	-	-	-	-	-	-	-	-	751
Johor Barat/West Johore	131	-	-	-	-	-	2,457	-	24	2	4	38	2	-	-	-	-	2,658
Jumlah Kecil/Sub -Total	2,815	401	71	38	495	13	14,892	42	26	56	167	201	8	1	219	55	17	19,517
Pantai Timur/East Coast																		
Kelantan	76	60	11	-	-	16	1,084	17	-	25	112	-	-	-	-	-	-	1,401
Terengganu	120	135	14	-	-	-	338	16	-	124	1,769	-	-	-	-	-	-	2,516
Pahang	380	89	4	-	-	-	739	4	-	99	190	-	-	-	-	-	-	1,505
Johor Timur/East Johore	199	91	-	-	-	-	1,525	-	17	17	51	-	-	-	-	-	-	1,900
Jumlah Kecil/Sub -Total	775	375	29	-	-	16	3,686	37	17	265	2,122	-	-	-	-	-	-	7,322
Sarawak	338	30	-	-	-	4	4,576	-	3	42	43	219	138	50	-	-	-	5,443
Sabah	1,515	253	30	-	-	43	9,256	399	133	778	3,653	-	5	-	692	127	618	17,502
W.P. Labuan Federal Territory Of Labuan	-	-	2	-	-	-	96	-	-	32	95	-	-	-	-	-	-	225
Jumlah Kecil/Sub -Total	1,853	283	32	-	-	47	13,928	399	136	852	3,791	219	143	50	692	127	618	23,170
Jumlah Besar Grand Total	5,443	1,059	132	38	495	76	32,506	478	179	1,173	6,080	420	151	51	911	182	635	50,009

Nota/Note: Pukat Kenka Dua Bot mempunyai satu peralatan sahaja



PENDARATAN IKAN LAUT MENGIKUT NEGERI DAN KUMPULAN PERALATAN MENANGKAP IKAN , MALAYSIA, 2019

Landings Of Marine Fish By State And Fishing Gear Group , Malaysia, 2019

Kumpulan Peralatan Menangkap Ikan Fishing Gear Group	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 Hooks & Lines	Pukat Bakul Bag Nets	Pukat Rentang Barrier Nets	Pukat Surung Push/Scoop Nets	Memungut Siput Shellfish Collection	Rampai Miscellaneous	Jumlah Total
Negeri/State															
Pantai Barat /West Coast															
Perlis	34,503	71,060	-	156	7,414	-	-	-	-	-	-	338	-	56	113,526
Kedah	78,972	3,846	8,034	-	55,303	-	-	8	983	732	141	520	511	207	149,258
Pulau Pinang	18,315	2,954	-	10,263	17,351	-	-	192	1,963	68	262	10	-	316	51,695
Perak	188,963	77,564	440	15,373	20,105	-	-	3,627	700	4,884	368	1,380	942	613	314,957
Selangor	107,734	6,367	-	-	35,320	-	374	21	3,729	781	829	800	174	294	156,424
Negeri Sembilan	-	-	-	-	630	-	-	15	33	-	-	-	-	-	678
Melaka	-	-	-	-	1,575	-	-	2	250	-	-	53	-	-	1,880
Johor Barat/West Johore	6,034	-	-	-	15,228	-	207	357	1,878	3,153	-	-	4	537	27,398
Jumlah Kecil/Sub-Total	434,520	161,791	8,474	25,792	152,926	-	582	4,221	9,537	9,618	1,601	3,101	1,631	2,023	815,816
Pantai Timur /East Coast															
Kelantan	17,340	42,522	-	-	15,302	10,752	-	1,830	2,252	-	-	-	22	187	90,205
Terengganu	10,376	13,824	1,350	-	3,734	567	-	4,403	6,201	-	-	-	-	-	40,454
Pahang	58,986	28,123	3,324	-	4,877	-	-	1,630	2,804	-	-	-	1	0	99,746
Johor Timur/East Johore	18,658	17,733	-	-	1,057	26	45	95	44	-	-	-	-	84	37,742
Jumlah Kecil/Sub-Total	105,361	102,202	4,673	-	24,970	11,345	45	7,957	11,301	-	-	-	23	270	268,147
Malaysia:															
Semenanjung Malaysia Peninsular Malaysia	539,881	263,992	13,148	25,792	177,895	11,345	627	12,178	20,838	9,618	1,601	3,101	1,654	2,293	1,083,963
Sarawak	55,178	29,167	-	94	48,543	351	-	3,626	3,668	8,425	1,493	1,633	717	18,592	171,487
Sabah	66,719	46,880	115	1,272	27,801	12,398	986	1,939	15,816	-	472	778	2,662	1,882	179,718
Wilayah Persekutuan Labuan / Federal Territory Of Labuan	11,727	1,546	149	-	2,584	247	-	332	3,692	-	-	-	-	-	20,278
Jumlah Besar Grand Total	673,505	341,585	13,412	27,158	256,824	24,341	1,612	18,076	44,013	18,044	3,565	5,511	5,034	22,767	1,455,446



PENDARATAN IKAN LAUT MENGIKUT BULAN DAN NEGERI, 2019

Landings Of Marine Fish By Month And State, 2019

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	8,760	9,360	8,257	9,729	9,402	9,557	9,697	9,924	9,047	10,373	9,895	9,526	113,526
Kedah	12,508	12,886	13,097	13,219	13,189	13,049	12,577	11,946	11,747	11,726	11,641	11,673	149,258
Pulau Pinang	4,866	3,755	3,765	3,702	4,126	4,141	4,509	4,638	4,870	4,755	4,060	4,507	51,695
Perak	21,041	21,080	24,905	24,062	26,121	26,426	26,325	26,185	30,427	32,056	32,104	24,226	314,957
Selangor	12,307	11,903	13,213	13,036	12,617	13,331	13,828	14,066	14,002	13,552	12,571	11,999	156,424
Negeri Sembilan	53	48	53	55	53	61	57	56	56	63	69	54	678
Melaka	134	158	151	163	147	151	162	167	155	172	163	159	1,880
Johor Barat/West Johore	2,355	2,366	2,420	2,587	2,393	2,257	2,361	2,380	2,308	2,212	2,052	1,706	27,398
Jumlah Kecil/Sub-Total	62,023	61,558	65,861	66,554	68,048	68,972	69,516	69,362	72,612	74,907	72,554	63,849	815,816
Pantai Timur/East Coast													
Kelantan	5,490	5,261	10,040	9,824	8,841	8,054	8,260	7,439	9,152	10,431	5,033	2,381	90,205
Terengganu	1,599	2,683	3,967	4,548	2,968	3,162	3,251	3,184	4,888	5,791	3,255	1,159	40,454
Pahang	6,370	7,772	8,402	8,788	9,540	8,330	9,560	9,376	11,372	8,698	7,271	4,268	99,746
Johor Timur/East Johore	1,402	1,604	3,532	4,222	3,614	4,091	3,575	3,007	3,448	4,191	4,661	394	37,742
Jumlah Kecil/Sub-Total	14,860	17,319	25,941	27,382	24,963	23,637	24,645	23,006	28,861	29,111	20,220	8,203	268,147
Malaysia:													
Semenanjung Malaysia Peninsular Malaysia	76,883	78,876	91,802	93,936	93,010	92,609	94,162	92,368	101,472	104,017	92,774	72,052	1,083,963
Sarawak	10,440	12,395	18,058	17,649	15,736	15,691	15,336	16,797	14,055	12,727	12,193	10,410	171,487
Sabah	12,153	12,269	13,893	17,875	18,804	15,380	15,085	14,598	15,331	15,450	15,676	13,203	179,718
Wilayah Persekutuan Labuan / Federal Territory Of Labuan	993	990	1,612	2,112	2,213	2,138	2,154	1,912	1,867	1,672	1,447	1,169	20,278
Jumlah Besar Grand Total	100,470	104,531	125,366	131,572	129,764	125,818	126,737	125,675	132,725	133,867	122,090	96,833	1,455,446



PENGELUARAN DAN NILAI AKUAKULTUR DARIPADA SISTEM TERNAKAN AIR TAWAR MENGIKUT SPESIS, 2019

Aquaculture Production From Freshwater Culture System By Species, 2019

Spesis Species	Unit	Sistem Ternakan Culture System						Estet Estet	Jumlah Total
		Kolam Air Tawar freshwater Ponds	Bekas Lombong Ex-Mining Pools	Sangkar Air Tawa Freshwater Cages	Tangki Simen Cement Tanks	Tangki Kanvas Canvas Tanks	Kandang Ikan Pen Culture		
Baung River Catfish	MT / Tonnes	432.63	168.69	817.41	-	-	-	0.05	1,418.78
	RM '000	5,683.02	2,117.00	12,760.87	-	-	-	1.30	20,562.20
Haruan Snakehead	MT / Tonnes	18.57	78.91	-	0.42	-	-	0.44	98.33
	RM '000	239.97	885.23	-	6.32	-	-	5.27	1,136.79
Jelawat River Carp	MT / Tonnes	1,400.16	627.87	72.35	-	-	-	-	2,100.39
	RM '000	13,570.29	4,655.47	2,780.86	-	-	-	-	21,006.62
Kap Kepala Besar Big Head Carp	MT / Tonnes	96.58	2,350.53	-	-	-	-	0.69	2,447.79
	RM '000	539.80	10,652.32	-	-	-	-	6.90	11,199.02
Kap Rumpit Grass Carp	MT / Tonnes	236.68	228.87	-	-	-	-	1.67	467.22
	RM '000	2,211.51	1,598.19	-	-	-	-	25.09	3,834.79
Keli Freshwater Catfish	MT / Tonnes	23,002.50	257.50	936.42	3,932.24	178.52	156.85	0.04	28,464.07
	RM '000	101,615.78	1,298.70	4,574.45	19,274.85	1,031.24	764.61	0.14	128,559.77
Lampam Jawa Javanese Carp	MT / Tonnes	316.80	625.65	46.06	-	-	0.73	0.55	989.80
	RM '000	2,498.25	3,251.30	1,351.44	-	-	4.06	8.78	7,113.83
Lee Koh Common Carp	MT / Tonnes	385.43	1,170.62	4.30	-	-	-	1.98	1,562.33
	RM '000	2,744.26	7,981.60	41.20	-	-	-	23.78	10,790.84
Patin River Catfish	MT / Tonnes	5,840.68	5,583.24	5,757.61	47.36	0.13	404.94	15.52	17,649.48
	RM '000	29,942.21	17,712.38	63,650.25	317.00	1.17	2,181.13	201.75	114,005.90
Rohu Labeo Rohita	MT / Tonnes	1,034.87	7,872.27	-	-	-	-	1.02	8,908.16
	RM '000	4,834.52	36,358.54	-	-	-	-	7.13	41,200.19
Tilapia Hitam Black Tilapia	MT / Tonnes	1,923.38	1,518.51	16.54	256.16	-	-	-	3,714.59
	RM '000	19,338.24	6,207.42	176.71	3,171.22	-	-	-	28,893.59
Tilapia Merah Red Tilapia	MT / Tonnes	19,419.68	5,598.29	4,686.66	2,113.27	22.43	4.21	0.30	31,844.83
	RM '000	201,565.56	54,045.66	53,062.53	24,025.58	181.04	48.89	3.00	332,932.26
Toman Giant Snakehead	MT / Tonnes	62.38	-	-	-	-	-	-	62.38
	RM '000	1,816.02	-	-	-	-	-	-	1,816.02
Udang Galah Giant Freshwater Prawn	MT / Tonnes	361.43	-	-	-	-	-	-	361.43
	RM '000	4,746.69	-	-	-	-	-	-	4,746.69
Pelbagai Others	MT / Tonnes	1,174.14	1,710.55	1,498.83	105.46	19.74	-	3.25	4,511.97
	RM '000	24,026.23	10,489.12	14,739.23	3,268.16	118.92	-	63.02	52,704.67
Jumlah Total	MT / Tonnes	55,705.91	27,791.50	13,836.18	6,454.92	220.82	566.73	25.51	104,601.56
	RM '000	415,372.35	157,252.94	153,137.55	50,063.12	1,332.37	2,998.69	346.17	780,503.18



PENGELUARAN DAN NILAI AKUAKULTUR DARIPADA SISTEM TERNAKAN AIR PAYAU MENGIKUT SPESIS, 2019

Aquaculture Production From Brackishwater Culture System By Species, 2019

Spesis <i>Species</i>	Unit	Sistem Ternakan <i>Culture System</i>						Jumlah <i>Total</i>
		Kolam Air Payau <i>Brackishwater Ponds</i>	Sangkar Air Payau <i>Brackishwater Cages</i>	Tangki Air Masin <i>Brackishwater Tanks</i>	Kandang Air Payau <i>Brackishwater Pen Culture</i>	Kerang-Kerangan <i>Molluscs</i>	Rumpai Laut <i>Seaweeds (basah/wet)</i>	
Banding <i>Milkfish</i>	MT / Tonnes	1,648.03	586.81	-	-	-	-	2,234.84
	RM '000	12,821.87	4,107.66	-	-	-	-	16,929.53
Bawal Emas <i>Trachinotus blochii</i>	MT / Tonnes	-	3,669.06	-	-	-	-	3,669.06
	RM '000	-	68,076.71	-	-	-	-	68,076.71
Jenahak <i>Mangrove Snapper</i>	MT / Tonnes	36.17	7,171.98	-	-	-	-	7,208.15
	RM '000	853.64	170,070.15	-	-	-	-	170,923.78
Kerang Dewasa <i>Cockles</i>	MT / Tonnes	-	-	-	-	13,771.74	-	13,771.74
	RM '000	-	-	-	-	90,484.94	-	90,484.94
Kerapu <i>Grouper</i>	MT / Tonnes	114.90	7,033.66	-	221.02	-	-	7,369.59
	RM '000	5,123.23	269,523.77	-	7,524.60	-	-	282,171.60
Merah <i>Red Snapper</i>	MT / Tonnes	163.53	7,195.83	-	2.88	-	-	7,362.24
	RM '000	4,321.82	192,125.43	-	57.52	-	-	196,504.77
Nyok-nyok <i>Horse mackerel</i>	MT / Tonnes	-	2,562.37	-	-	-	-	2,562.37
	RM '000	-	46,123.78	-	-	-	-	46,123.78
Slakap <i>Sea bass</i>	MT / Tonnes	8,940.17	8,316.21	1.22	6.01	-	-	17,263.61
	RM '000	121,333.92	135,952.83	18.30	96.11	-	-	257,401.16
Siput Sudu <i>Mussels</i>	MT / Tonnes	-	-	-	-	1,220.63	-	1,220.63
	RM '000	-	-	-	-	6,131.73	-	6,131.73
Tilapia Merah <i>Red Tilapia</i>	MT / Tonnes	431.18	147.75	20.21	-	-	-	599.14
	RM '000	3,547.59	1,561.09	160.43	-	-	-	5,269.11
Tiram <i>Oysters</i>	MT / Tonnes	-	-	-	-	1,568.28	-	1,568.28
	RM '000	-	-	-	-	36,618.96	-	36,618.96
Udang Harimau <i>Tiger Prawn</i>	MT / Tonnes	14,632.92	-	-	-	-	-	14,632.92
	RM '000	402,074.02	-	-	-	-	-	402,074.02
Udang Putih <i>Hawaiian White Shrimp</i>	MT / Tonnes	38,766.11	-	1.00	-	-	-	38,767.11
	RM '000	854,276.71	-	27.99	-	-	-	854,304.70
Rumpai Laut <i>Seaweeds</i>	MT / Tonnes	-	-	-	-	-	188,111.10	188,111.10
	RM '000	-	-	-	-	-	65,859.64	65,859.64
Pelbagai <i>Others</i>	MT / Tonnes	162.34	317.61	82.88	154.39	122.58	-	839.79
	RM '000	7,960.38	7,595.17	3,027.13	5,626.40	1,047.41	-	25,256.49
Jumlah <i>Total</i>	MT / Tonnes	64,895.35	37,001.29	105.30	384.30	16,683.23	188,111.10	307,180.57
	RM '000	1,412,313.17	895,136.58	3,233.85	13,304.63	134,283.04	65,859.64	2,524,130.91



PENGELUARAN AKUAKULTUR MENGIKUT NEGERI DAN SISTEM TERNAKAN, 2019

Aquaculture Production By State And Culture System, 2019

(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	Tangki Kanvas Canvas Tanks	Kandang Ikan Pen Culture	Estet Estet	Jumlah Kecil Sub Total	Kolam Ponds	Sangkar Cages	Tangki Air Masin Brackishwater Tanks	Kandang Air Payau Brackishwater Pen Culture	Kerang- kerangan Molluscs	Rumpai Laut Seaweeds (basah/ wet)	Jumlah Kecil Sub Total	
Pertlis	103.12	-	-	27.80	-	-	-	130.92	438.45	-	-	-	-	-	438.45	569.37
Kedah	3,327.99	-	98.17	35.44	-	-	-	3,461.60	6,332.46	1,548.75	-	-	1,139.37	0.70	9,021.27	12,482.87
Pulau Pinang	3,085.02	-	23.12	45.59	6.19	-	-	3,159.92	8,387.52	21,329.19	-	-	2,435.53	-	32,152.25	35,312.17
Perak	16,806.47	24,573.98	2,515.83	554.21	79.25	21.24	-	44,550.99	10,557.32	6,948.16	0.80	-	10,562.79	-	28,069.08	72,620.06
Selangor	9,709.16	2,589.00	442.66	3,849.90	29.30	-	-	16,620.01	3,107.80	1,178.20	0.17	-	336.83	-	4,622.99	21,243.00
Negeri Sembilan	2,712.61	580.20	42.35	531.71	8.76	-	0.30	3,875.94	790.37	7.34	-	-	1.46	-	799.16	4,675.10
Melaka	3,110.19	-	0.51	215.57	2.50	-	-	3,328.78	360.90	-	-	-	48.82	-	409.73	3,738.50
Johor	4,648.73	-	44.02	472.95	-	-	-	5,165.70	6,009.46	2,883.61	3.05	-	1,658.51	-	10,554.63	15,720.32
Pahang	2,279.44	-	6,601.45	57.86	7.58	-	25.21	8,971.54	4,990.92	19.39	19.86	-	0.45	-	5,030.62	14,002.15
Terengganu	357.66	48.31	1,721.84	217.80	10.73	-	-	2,356.34	1,526.05	578.74	3.10	-	4.54	-	2,112.44	4,468.78
Kelantan	2,955.06	-	1,083.68	293.38	76.52	545.48	-	4,954.13	39.13	1,448.68	0.35	-	7.32	-	1,495.47	6,449.60
Sarawak	4,154.09	-	1,262.01	141.00	-	-	-	5,557.10	5,464.98	219.26	-	0.66	4.47	-	5,689.38	11,246.48
Sabah	2,456.37	-	-	8.70	-	-	-	2,465.07	16,889.98	839.15	76.98	383.64	483.14	188,110.40	206,783.29	209,248.36
W.P. Labuan	-	-	0.54	-	-	-	-	0.54	-	0.82	-	-	-	-	0.82	1.36
W.P. Kuala Lumpur	-	-	-	3.00	-	-	-	3.00	-	-	1.00	-	-	-	1.00	4.00
Jumlah/Total	55,705.91	27,791.50	13,836.18	6,454.92	220.82	566.73	25.51	104,601.56	64,895.35	37,001.29	105.30	384.30	16,683.23	188,111.10	307,180.57	411,782.14



NILAI BORONG PENGELUARAN AKUAKULTUR MENGIKUT NEGERI DAN SISTEM TERNAKAN, 2019

Wholesale Value Of Aquaculture Production By State And Culture System, 2019

(NILAI DALAM RM '000/VALUE IN 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	Tangki Kanvas Canvas Tanks	Kandang Ikan Pen Culture	Estet Estet	Jumlah Kecil Sub Total	Kolam Ponds	Sangkar Cages	Tangki/Air Masin Brackishwater Tanks	Kandang Air Payau Brackishwater Pen Culture	Kerang- kerangan Molluscs	Rumpai Laut Seaweeds (basah/ wet)	Jumlah Kecil Sub Total	
Pertis	818.43	-	-	156.95	-	-	-	975.38	7,360.60	-	-	-	-	-	7,360.60	8,335.98
Kedah	18,126.54	-	1,254.51	181.12	-	-	-	19,562.17	98,580.75	40,049.57	-	-	34,181.01	21.00	172,832.33	192,394.50
Pulau Pinang	12,930.13	-	152.51	288.60	28.33	-	-	13,399.56	130,222.03	535,160.10	-	-	19,650.87	-	685,032.99	698,432.56
Perak	102,035.56	121,573.95	24,341.48	2,862.80	569.32	216.60	-	251,599.71	238,860.22	152,422.92	32.00	-	66,044.10	-	457,359.24	708,958.94
Selangor	101,677.98	29,413.70	5,068.34	31,230.15	146.63	-	-	167,536.79	89,076.02	35,433.08	6.80	-	2,572.20	-	127,088.10	294,624.89
Negeri Sembilan	22,355.44	5,782.19	423.50	4,934.65	41.20	-	3.00	33,539.98	19,207.71	110.03	-	-	18.93	-	19,336.66	52,876.64
Melaka	13,229.94	-	6.03	799.59	15.75	-	-	14,051.31	11,978.56	-	-	-	279.06	-	12,257.62	26,308.93
Johor	27,388.69	-	454.76	3,286.53	-	-	-	31,129.98	174,355.13	61,571.70	198.25	-	8,361.23	-	244,486.30	275,616.28
Pahang	23,736.57	-	83,144.91	406.03	47.69	-	343.17	107,678.36	125,041.49	228.12	156.89	-	15.00	-	125,441.51	233,119.86
Terengganu	3,329.55	483.10	18,976.64	1,261.83	90.37	-	-	24,141.49	33,936.40	10,539.53	37.10	-	81.78	-	44,594.82	68,736.30
Kelantan	16,815.04	-	5,526.48	1,619.52	393.09	2,782.09	-	27,136.22	1,151.22	28,948.10	3.54	-	49.36	-	30,152.21	57,288.43
Sarawak	40,521.75	-	13,783.03	2,884.10	-	-	-	57,188.89	128,039.56	5,508.30	-	9.95	22.02	-	133,579.82	190,768.71
Sabah	32,406.74	-	-	115.26	-	-	-	32,522.00	354,503.48	25,136.29	2,771.28	13,294.69	3,007.49	65,838.64	464,551.87	497,073.87
W.P. Labuan	-	-	5.36	-	-	-	-	5.36	-	28.84	-	-	-	-	28.84	34.20
W.P. Kuala Lumpur	-	-	-	36.00	-	-	-	36.00	-	-	27.99	-	-	-	27.99	63.99
Jumlah/Total	415,372.35	157,252.94	153,137.55	50,063.12	1,332.37	2,998.69	346.17	780,503.18	1,412,313.17	895,136.58	3,233.85	13,304.63	134,283.04	65,859.64	2,524,130.91	3,304,634.09



PENGELUARAN DAN NILAI IKAN HIASAN DAN TUMBUHAN AKUATIK MENGIKUT NEGERI 2019

Production And Value Of Ornamental Fish And Aquatic Plant By State, 2019

(BILANGAN DALAM EKOR/NUMBER IN PIECES)

Negeri State	Pengeluaran Ikan Hiasan Production of Ornamental Fish	Nilai (RM) Value (RM)	Pengeluaran Tumbuhan Akuatik Production of Aquatic Plant	Nilai (RM) Value (RM)
 Perlis	69,921	218,385.00	-	-
 Kedah	23,021	102,865.44	17,640	36,116.00
 Pulau Pinang	1,266,245	10,836,804.50	-	-
 Perak	75,203,260	229,839,925.93	-	-
 Selangor	273,081	7,652,560.00	-	-
 Negeri Sembilan	7,408	165,675.00	299,223	748,057.50
 Melaka	495,554	464,820.00	-	-
 Johor	208,833,092	243,470,349.41	51,384,340	19,829,100.00
 Pahang	41,576	261,722.60	4,330	34,640.00
 Terengganu	287,228	1,569,848.80	-	-
 Kelantan	374,604	8,121,331.65	-	-
 Sarawak	513,645	2,427,730.00	-	-
 Sabah	132,102	1,276,240.00	-	-
 W.P. Labuan	10,802	39,531.22	-	-
Jumlah/Total	287,531,539	506,447,789.55	51,705,533	20,647,913.50



PENDARATAN DAN NILAI IKAN AIRTAWAR DARI PERAIRAN UMUM MENGIKUT PERAIRAN DAN NEGERI, 2019

Landings And Value Of Freshwater Fish From Public Waterbodies By Waterbodies And State, 2019

Negeri State	Unit	Sungai Rivers	Bekas Lombong Ex-Mining Pools	Empangan Dams	Tasik Lakes	Lain-Lain Others	Jumlah Total
Perlis	MT / Tonnes	-	-	108.54	-	-	108.54
	RM '000	-	-	924.39	-	-	924.39
Kedah	MT / Tonnes	288.19	-	57.73	35.96	19.55	401.43
	RM '000	3,085.19	-	494.59	352.77	147.12	4,079.66
Pulau Pinang	MT / Tonnes	25.86	-	-	-	-	25.86
	RM '000	466.25	-	-	-	-	466.25
Perak	MT / Tonnes	1,071.91	516.83	-	536.56	40.08	2,165.38
	RM '000	18,005.55	3,357.60	-	6,177.57	713.19	28,253.91
Selangor	MT / Tonnes	64.34	-	-	-	-	64.34
	RM '000	927.12	-	-	-	-	927.12
Negeri Sembilan	MT / Tonnes	7.45	-	-	-	-	7.45
	RM '000	251.13	-	-	-	-	251.13
Melaka	MT / Tonnes	1.38	-	-	-	-	1.38
	RM '000	47.01	-	-	-	-	47.01
Johor	MT / Tonnes	33.57	-	33.78	-	-	67.34
	RM '000	655.29	-	255.10	-	-	910.39
Pahang	MT / Tonnes	513.15	47.04	93.20	16.11	37.54	707.04
	RM '000	10,002.51	514.32	1,130.64	186.86	467.02	12,301.34
Terengganu	MT / Tonnes	103.67	-	-	1.62	-	105.29
	RM '000	1,787.15	-	-	22.76	-	1,809.90
Kelantan	MT / Tonnes	114.18	-	-	1.71	8.28	124.16
	RM '000	2,018.42	-	-	14.18	122.49	2,155.09
Sarawak	MT / Tonnes	1,646.01	-	-	-	-	1,646.01
	RM '000	35,478.81	-	-	-	-	35,478.81
Sabah	MT / Tonnes	144.38	-	-	-	-	144.38
	RM '000	2,566.16	-	-	-	-	2,566.16
W.P. Labuan	MT / Tonnes	0.10	-	-	-	-	0.10
	RM '000	0.90	-	-	-	-	0.90
Jumlah/Total	MT / Tonnes	4,014.18	563.87	293.25	591.96	105.44	5,568.70
	RM '000	75,291.48	3,871.91	2,804.72	6,754.13	1,449.82	90,172.06



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