

Jilid 1 / Volume 1

Perangkaan

TAHUNAN PERIKANAN

Annual Fisheries Statistics

2018



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2018



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Department Of Fisheries Malaysia, Putrajaya

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 disamping 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.

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

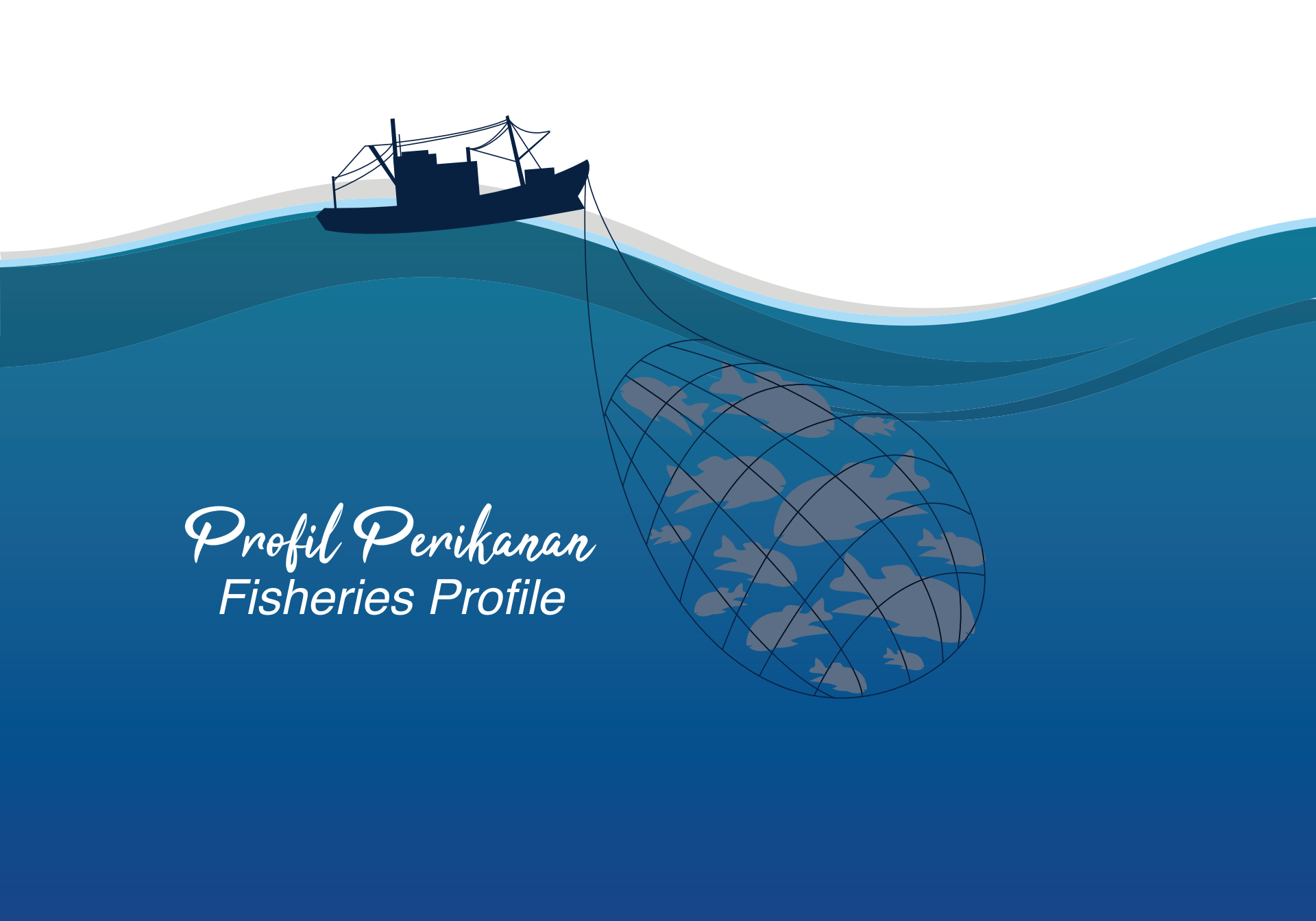
- | | | |
|---|---|--|
| a. Tuna Oceanik
<i>Oceanic Tuna</i> | - | Tuna Sirip Kuning, Tuna Mata Besar dan Albakor
<i>Yellow fin Tuna, Big Eye Tuna and Albacore</i> |
| b. Tuna Neritik
<i>Neritic Tuna</i> | - | Aya Hitam, Aya Kurik, Aya Selasih dan Aya Jalur
<i>Longtail, Kawakawa, Frigate and Skipjack</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>



The background of the slide features a stylized illustration. At the top, a dark blue silhouette of a fishing boat is shown on a light blue horizon line. A rope extends from the boat down into the water, leading to a large, spherical fish trap. The trap is made of a grid of lines and is filled with numerous small, grey fish. The water is represented by various shades of blue, with wavy lines indicating the surface and depth. The overall style is clean and modern.

Profil Perikanan

Fisheries Profile

Sumbangan Sektor Perikanan, 2018 / Contribution Of Fisheries Sector, 2018

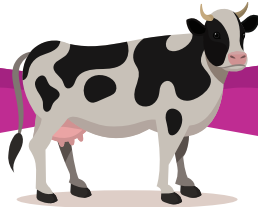
% KDNK
(GDP)

PERTANIAN
AGRICULTURE

NEGARA
NATIONAL

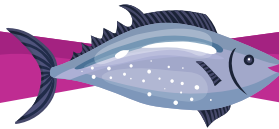
14.9%

1.1%



12.5%

0.9%



25.1%

1.8%



SSR= 92.09 %

PCC = 46.94 Kg

SUB-SEKTOR
SUB-SECTOR

KUANTITI (t.m)
QUANTITY (tonnes)

K.P.T
A.G.R

NILAI (RM)
VALUE

K.P.T
A.G.R

LAUT PANTAI
Inshore

1,192,722.24

1.9% ↑

9,838,281,581

6.7% ↑



LAUT DALAM
Deep sea

260,140.06

-11.8% ↓

1,474,550,943

-7.8% ↓



AIR TAWAR
Freshwater

101,269.88

-1.3% ↓

711,093,717

-2.3% ↓



AIR PAYAU
Brackishwater

116,112.08

-4.4% ↓

2,293,683,135

1.1% ↑



RUMPAI LAUT
Seaweed

174,083.20

-14.2% ↓

52,224,960

16.9% ↑



PERIKANAN DARAT
Inland Fisheries

6,089.08

17.6% ↑

124,359,770

33.3% ↑



IKAN HIASAN (ekor)
Ornamental fish (pieces)

325,328,503

0.2% ↑

350,326,139

7.1% ↑



TUMBUHAN AKUATIK (ikat)
Aquatic plants (bundles)

117,006,287

4.2% ↑

19,924,888

53.5% ↑

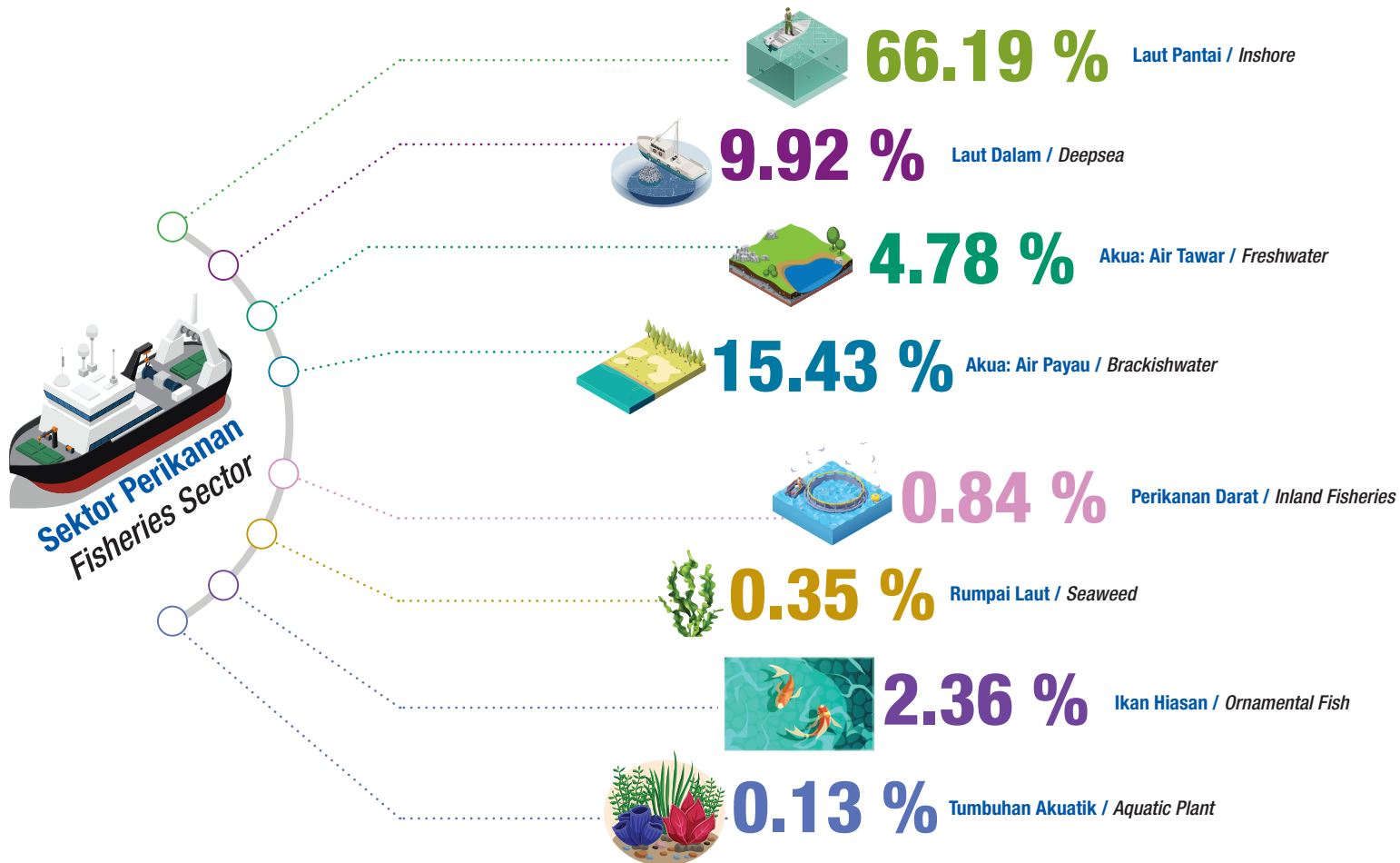


Pengeluaran Dan Nilai Sektor Perikanan, Malaysia, 2018 /
Production and Value of Fisheries Sector, Malaysia, 2018

SEKTOR PERIKANAN Fisheries Sector	2017			2018			PERUBAHAN (2017 - 2018)		
	Kuantiti (MT) Quantity (Tonnes)	Nilai (RM) Value (RM)	Guna Tenaga Employment	Kuantiti (MT) Quantity (Tonnes)	Nilai (RM) Value (RM)	Guna Tenaga Employment	Kuantiti Quantity	Nilai Value	Guna Tenaga Employment
PERIKANAN TANGKAPAN MARIN (Marine Capture Fisheries)	1,465,112.82	10,818,845,438	130,645	1,452,862.31	11,312,832,525	128,148	-0.8%	4.6%	-1.9%
Laut Pantai (Inshore)	1,170,270.46	9,220,344,854	117,354	1,192,722.24	9,838,281,581	115,280	1.9%	6.7%	-1.8%
Laut Dalam (Deep Sea)	294,842.36	1,598,500,584	13,291	260,140.06	1,474,550,943	12,868	-11.8%	-7.8%	-3.2%
AKUAKULTUR (Aquaculture)	427,015.43	3,040,938,788	17,765	391,465.16	3,057,001,812	18,297	-8.3%	0.5%	3.0%
Air Tawar (Freshwater)	102,596.83	728,183,991	12,758	101,269.88	711,093,717	13,716	-1.3%	-2.3%	7.5%
Air Payau / Marin (Brackishwater)	121,453.02	2,268,093,767	3,764	116,112.08	2,293,683,135	3,373	-4.4%	1.1%	-10.4%
Rumpai Laut (Seaweed)	202,965.58	44,661,030	1,243	174,083.20	52,224,960	1,208	-14.2%	16.9%	-2.8%
PERIKANAN DARAT (In-land Fisheries)	5,177.19	93,312,632	5,107	6,089.08	124,359,770	4,703	17.6%	33.3%	-7.9%
JUMLAH IKAN MAKANAN (Total Food Fish)	1,897,305.45	13,953,096,858	153,517	1,850,416.54	14,494,194,107	151,148	-2.5%	3.9%	-1.5%
Ikan Hiasan (Ornamental Fish)	324,813,016	326,953,263	548	325,328,503	350,326,139	563	0.2%	7.1%	2.7%
Tumbuhan Akuatik (Aquatic Plants)	112,249,911	12,978,624	9	117,006,287	19,924,888	11	4.2%	53.5%	22.2%
JUMLAH BUKAN MAKANAN (Total Non Food Fish)	-na-	339,931,886	557	-na-	370,251,026	574	-na-	8.9%	3.1%
JUMLAH BESAR (Grand Total)	-na-	14,293,028,744	154,074	-na-	14,864,445,133	151,722	-na-	4.0%	-1.5%



Peratus Sumbangan Nilai Sektor Perikanan, 2018 / Value Contribution of Fisheries Sector, 2018



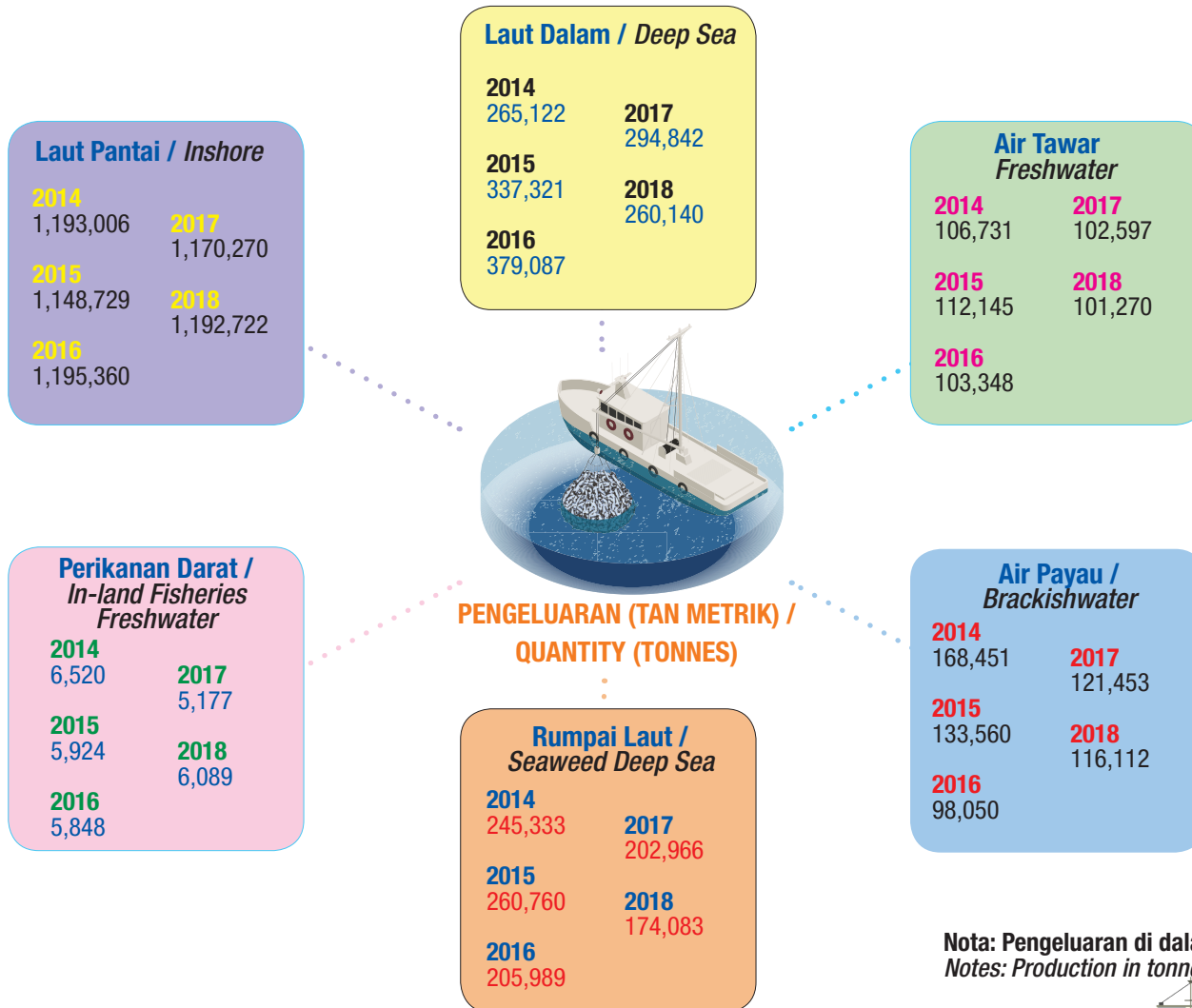
* Daripada Nilai Keseluruhan Sektor Perikanan / *From Total Value Of Fisheries Sector

Nilai Pengeluaran Sektor Perikanan Negara Dalam RM Juta, (2014-2018)
National Fishery Sector Production Value in RM Million, (2014-2018)

PERKARA	2014	2015	2016	2017	2018
Laut Pantai <i>Inshore</i>	7,458	7,660	8,417	9,220	9,838
Laut Dalam <i>Deep Sea</i>	1,327	1,662	1,759	1,599	1,475
Air Tawar <i>Freshwater</i>	750	789	789	728	711
Air Payau <i>Brackishwater</i>	2,517	2,377	1,892	2,268	2,294
Perikanan Darat <i>Inland Fisheries</i>	75	72	90	93	124
Rumpai Laut <i>Seaweed</i>	209	130	103	45	52
Ikan Hiasan <i>Ornamental Fish</i>	353	341	456	327	350
Tumbuhan Akuatik <i>Aquatic Plants</i>	77	149	215	13	20



Kuantiti Pengeluaran Ikan Makanan, (2014-2018) *Food-fish Production Quantity, (2014-2018)*



Nota: Pengeluaran di dalam tan metrik
Notes: Production in tonnes

The background of the slide features a stylized illustration. At the top, a dark blue silhouette of a fishing boat with masts is positioned on a light blue wavy line representing the water's surface. A rope extends from the boat down to a large, spherical fish trap. The trap is made of a wire mesh and is filled with numerous small, grey fish. The entire scene is set against a background of layered blue waves. The title text is overlaid on the lower-left portion of the image.

Perikanan Tangkapan
Capture Fisheries

Bilangan Nelayan Dan Vesel Penangkapan Ikan Yang Berlesen Mengikut Zon, 2018

Number of Fishermen and Licensed Fishing Vessels by Zone, 2018

NEGERI <i>State</i>	Zon A/ <i>Zone A</i>		Zon B/ <i>Zone B</i>		Zon C/ <i>Zone C</i>		Zon C2/ <i>Zone C2</i>		Zon C3/ <i>Zone C3</i>		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	1,109	510	403	103	1,087	85	894	26	-	-	3,493	724
Kedah	8,357	4,243	764	225	3,323	461	547	28	-	-	12,991	4,957
Pulau Pinang	4,325	2,741	435	107	84	12	-	-	130	19	4,974	2,879
Perak	5,574	2,743	2,934	1,332	4,638	630	2,546	158	-	-	15,692	4,863
Selangor	4,529	2,840	1,778	546	1,537	177	-	-	-	-	7,844	3,563
Negeri Sembilan	455	353	-	-	-	-	-	-	-	-	455	353
Melaka	942	814	-	-	-	-	-	-	-	-	942	814
Johor	8,746	4,216	1,195	317	1,430	156	2,074	70	-	-	13,445	4,759
Pahang	2,655	1,206	970	186	3,184	343	1,581	70	-	-	8,390	1,805
Terengganu	4,900	2,162	1,558	257	1,621	114	906	45	-	-	8,985	2,578
Kelantan	3,186	1,315	546	117	565	72	2,545	85	-	-	6,842	1,589
Sarawak	9,190	5,911	999	247	2,042	285	1,306	88	-	-	13,537	6,531
Sabah	21,149	14,893	7,898	1,848	795	82	320	43	-	-	30,162	16,866
Labuan	362	270	15	3	-	-	19	2	-	-	396	275
JUMLAH BESAR <i>Grand Total</i>	75,479	44,217	19,495	5,288	20,306	2,417	12,738	615	130	19	128,148	52,556



Sumbangan Perikanan Tangkapan Kepada Ikan Makanan Negara, 2018

Contribution of Capture Fisheries to National Fish Food, 2018

Laut Pantai *Inshore*

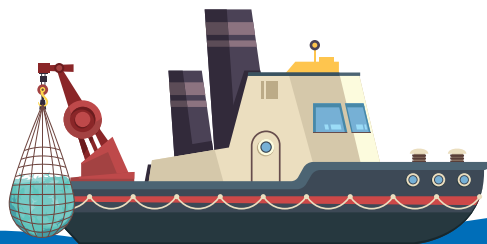


Kuantiti (MT)
Quantity (Tonnes)
1,192,722.24

SUMBANGAN*
Contributions (%)*
64.46

Nilai (RM Juta)
Value (RM Million)
9,838.28

SUMBANGAN*
Contributions (%)*
67.88



Laut Dalam *Deep Sea*



Kuantiti (MT)
Quantity (Tonnes)
260,140.06

SUMBANGAN*
Contributions (%)*
14.06

Nilai (RM Juta)
Value (RM Million)
1,474.55

SUMBANGAN*
Contributions (%)*
10.17

*Daripada Jumlah Ikan Makanan / *From Total Food Fish

Pendaratan dan Nilai Ikan Marin Mengikut Negeri, 2018

Marine Fish Landings and Values by State, 2018

NEGERI (State)	Laut Pantai (<i>Inshore Fishery</i>)		Laut Dalam (<i>Deep-Sea Fishery</i>)		Jumlah (<i>Total</i>)	
	Kuantiti (MT)	Nilai (RM Juta)	Kuantiti (MT)	Nilai (RM Juta)	Kuantiti (MT)	Nilai (RM Juta)
	<i>Quantity (Tonnes)</i>	<i>Value (RM Million)</i>	<i>Quantity (Tonnes)</i>	<i>Value (RM Million)</i>	<i>Quantity (Tonnes)</i>	<i>Value (RM Million)</i>
PANTAI BARAT (<i>West Coast</i>)						
Perlis	68,279	465.65	27,716	186.35	95,995	652.00
Kedah	146,160	1,683.01	3,119	27.49	149,279	1,710.50
Pulau Pinang	54,226	508.98	628	13.61	54,854	522.59
Perak	254,663	1,790.82	59,193	344.51	313,857	2,135.33
Selangor	141,271	1,220.58	-	0.00	141,271	1,220.58
N.Sembilan	670	8.81	-	0.00	670	8.81
Melaka	1,913	33.63	-	0.00	1,913	33.63
Johor Barat (<i>West Johor</i>)	29,898	452.24	-	0.00	29,898	452.24
Jumlah Kecil / Sub-Total	697,081	6,163.71	90,657	571.97	787,738	6,735.68
PANTAI TIMUR (<i>East Coast</i>)						
Kelantan	57,984	459.81	41,430	269.56	99,414	729.37
Terengganu	36,776	349.70	4,954	35.05	41,730	384.75
Pahang	89,722	740.97	31,488	206.39	121,211	947.36
Johor Timur (<i>East Johor</i>)	20,191	218.14	19,592	149.33	39,783	367.47
Jumlah Kecil / Sub-Total	204,673	1,768.61	97,465	660.33	302,138	2,428.94
SEMENANJUNG MALAYSIA (<i>Peninsular Malaysia</i>)	901,754	7,932.32	188,122	1,232.30	1,089,876	9,164.62
Sarawak	115,746	792.32	64,858	199.13	180,605	991.45
Sabah	156,526	907.71	6,529	37.62	163,055	945.32
W.P Labuan	18,696	205.94	631	5.50	19,326	211.44
Jumlah Kecil / Sub-Total	290,968	1,905.96	72,018	242.25	362,986	2,148.21
MALAYSIA	1,192,722	9,838.28	260,140	1,474.55	1,452,862	11,312.83



Pendaratan Tuna, 2018 Tuna Landings, 2018

Tuna Ocenik

KUANTITI / Quantity
(Tan Metrik / Tonnes)

2,699.80 → **% SUMBANGAN* Contributions* → 0.19**

NILAI (RM JUTA)/
Value (RM Million)

30.41 → **% SUMBANGAN* Contributions* → 0.27**

Tuna Neritik

KUANTITI / Quantity
(Tan Metrik / Tonnes)

68,303.88 → **% SUMBANGAN* Contributions* → 4.70**

NILAI (RM JUTA)/
Value (RM Million)

480.49 → **% SUMBANGAN* Contributions* → 4.25**



Tuna-Like

KUANTITI / Quantity
(Tan Metrik / Tonnes)

18,294.84 → **% SUMBANGAN* Contributions* → 1.26**

NILAI (RM JUTA)/
Value (RM Million)

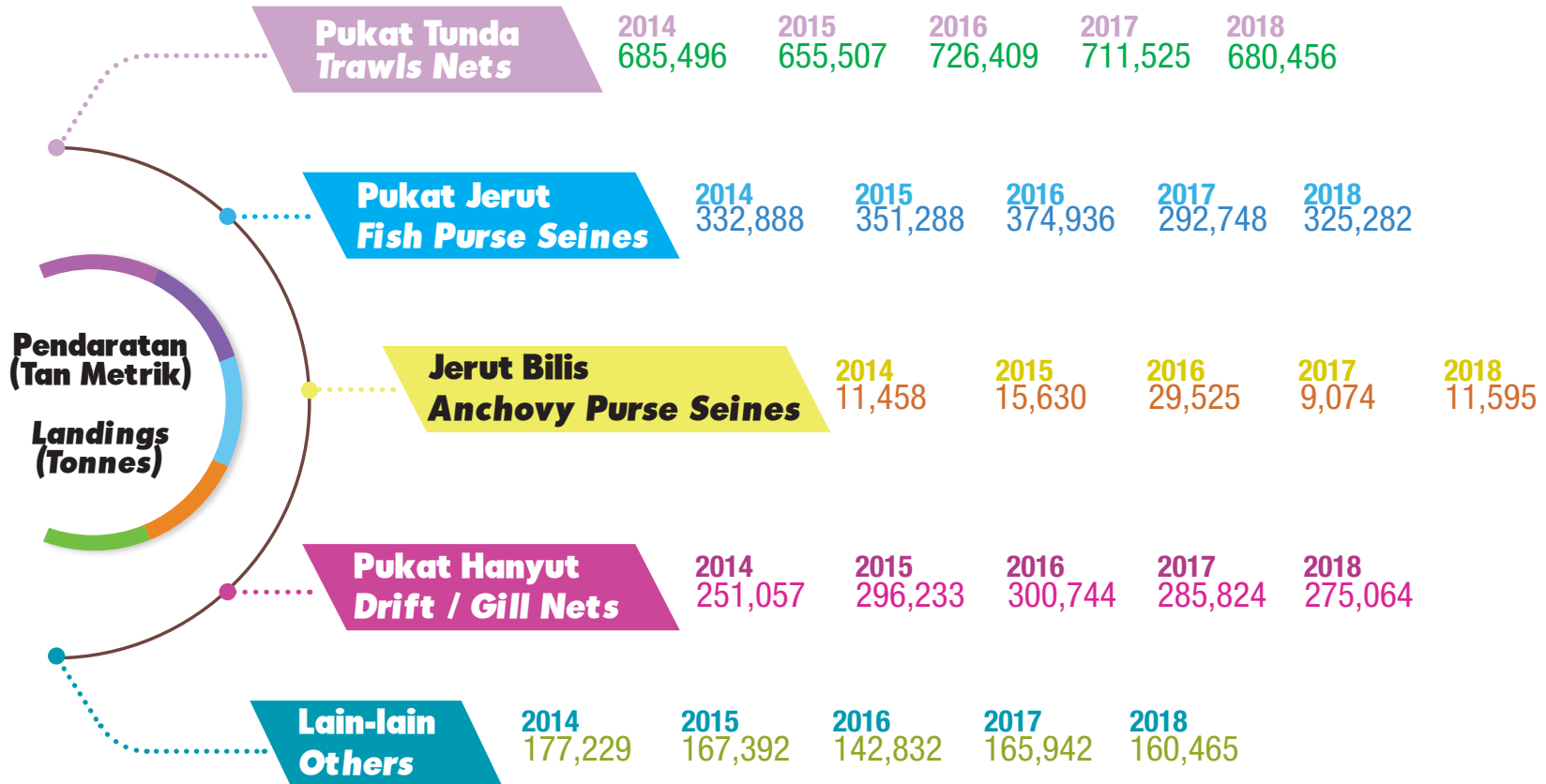
346.96 → **% SUMBANGAN* Contributions* → 3.07**

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



Pendaratan Mengikut Peralatan Menangkap Ikan, (2014-2018)

Landings by Gear Group, (2014-2018)

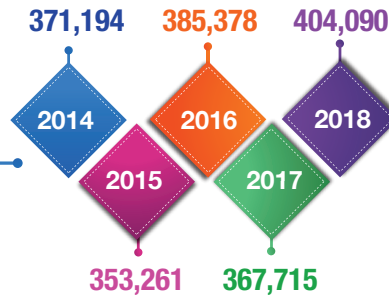


Pendaratan Pukat Tunda, (2014-2018)

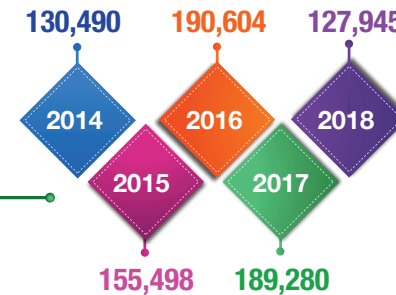
Trawl Landings, (2014-2018)

Pendaratan (Tan Metrik) Landings (Tonnes)

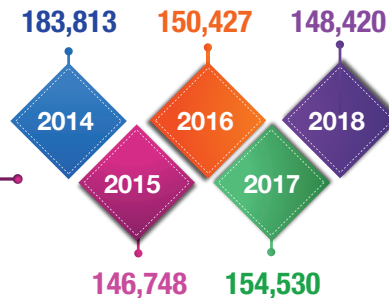
Pantai Barat Semenanjung *West Coast*



Pantai Timur Semenanjung *East Coast*



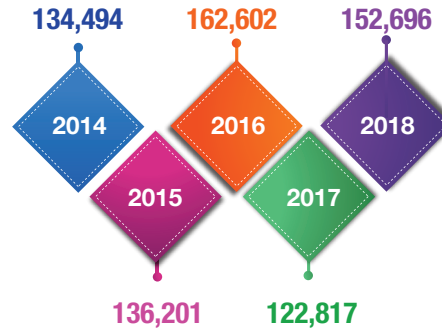
(Sabah, Sarawak & Labuan)



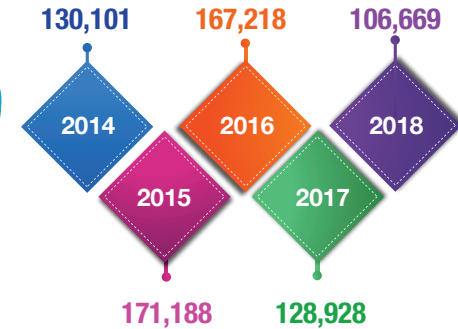
Pendaratan Pukat Jerut, (2014-2018) Purse Seine Landings, (2014-2018)

Pendaratan (Tan Metrik) Landings (Tonnes)

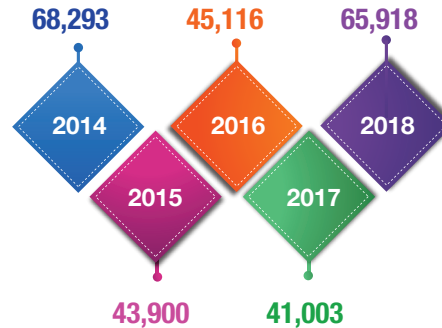
Pantai Barat Semenanjung West Coast



Pantai Timur Semenanjung East Coast



(Sabah, Sarawak & Labuan)



Kuantiti dan Nilai, Laut Pantai dan Laut Dalam, (2014-2018)

Quantity and Value of Inshore and Deep Sea Fisheries, (2014-2018)

Pendaratan (Tan Metrik) / Landings (Tonnes)

Laut Pantai Inshore



Laut Dalam Deep Sea

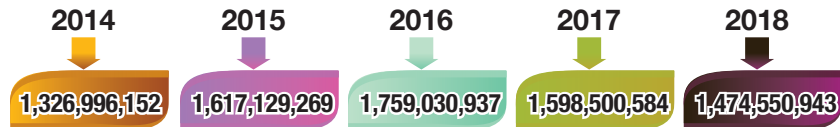


NILAI (RM) / Value (RM)

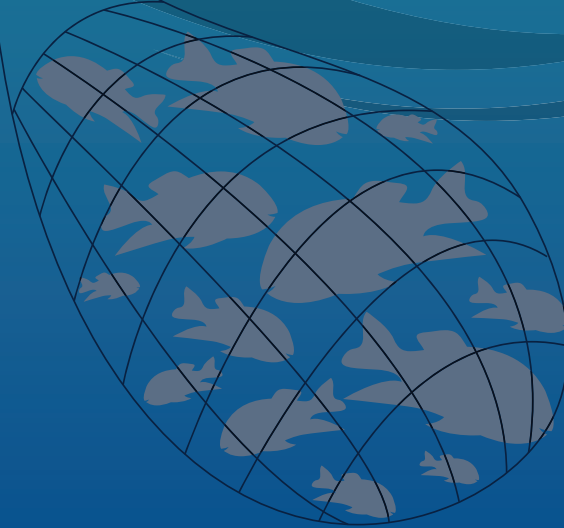
Laut Pantai Inshore



Laut Dalam Deep Sea

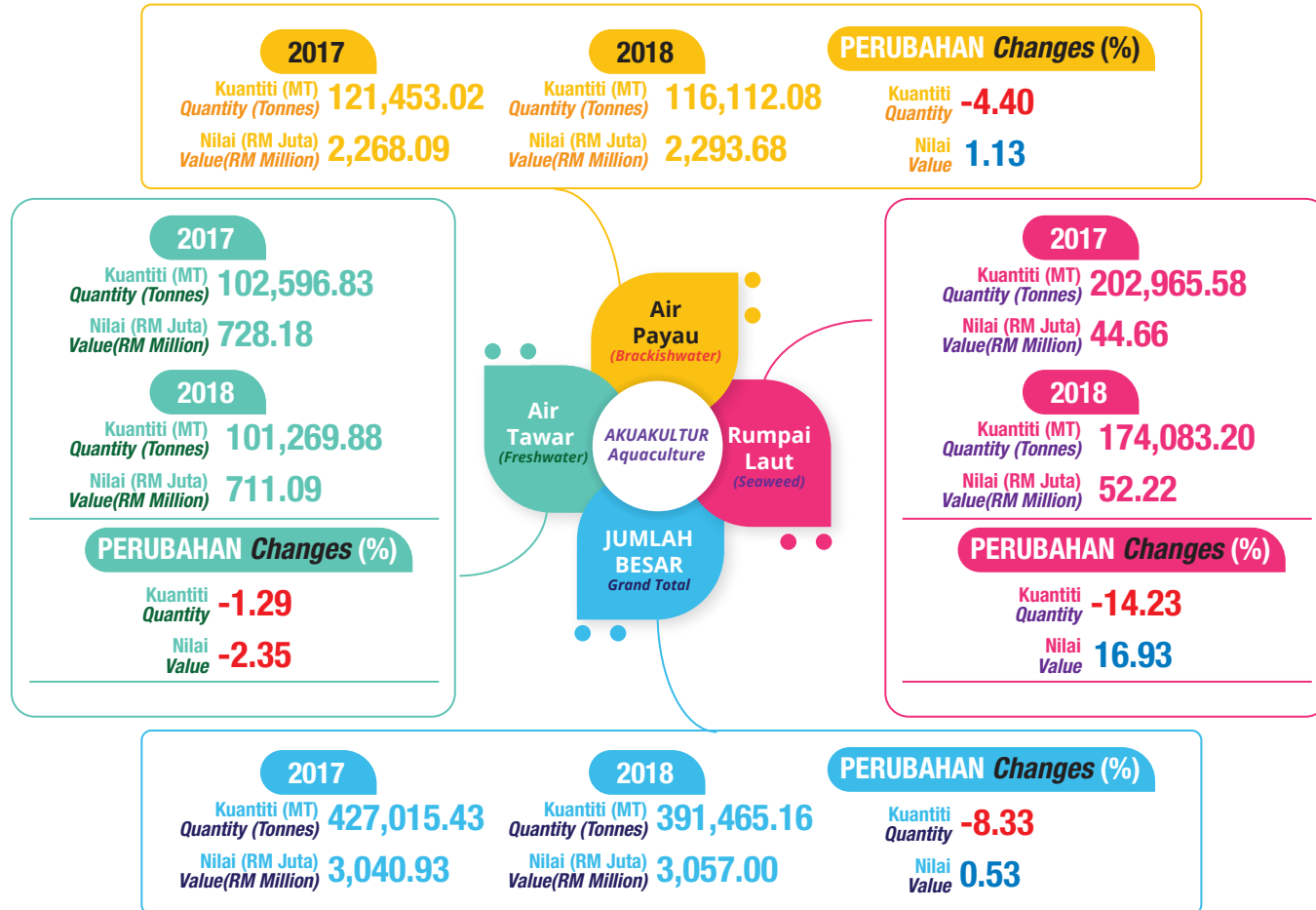


Akuakultur
Aquaculture



Pengeluaran dan Nilai Sektor Akuakultur, 2018

Production and Value of Aquaculture Sector, 2018



Pengeluaran dan Nilai Akuakultur Air Tawar, 2018

Production and Value of Freshwater Aquaculture, 2018

AKUAKULTUR AIR TAWAR <i>Freshwater Aquaculture</i>	2017		2018		PERUBAHAN <i>Changes (%)</i>	
	Kuantiti (MT) <i>Quantity (Tonnes)</i>	Nilai Value (RM '000)	Kuantiti (MT) <i>Quantity (Tonnes)</i>	Nilai Value (RM '000)	Kuantiti <i>Quantity</i>	Nilai <i>Value</i>
Keli (<i>Freshwater Catfish</i>)	34,915.79	157,726.45	33,419.58	151,051.00	-4.29	-4.23
Tilapia Merah (<i>Red Tilapia</i>)	25,648.59	250,923.94	25,199.89	246,339.37	-1.75	-1.83
Patin (<i>River Catfish</i>)	20,123.62	129,589.11	18,454.42	117,640.17	-8.29	-9.22
Tilapia Hitam (<i>Black Tilapia</i>)	5,895.45	40,377.73	5,790.29	38,846.72	-1.78	-3.79
Udang Galah (<i>Giant Freshwater Prawn</i>)	293.74	16,655.34	213.42	12,088.51	-27.34	-27.42
Pelbagai (<i>Others</i>)	15,719.64	132,911.42	18,192.28	145,127.95	15.73	9.19
JUMLAH BESAR <i>Grand Total</i>	102,596.83	728,183.99	101,269.88	711,093.72	-1.29	-2.35



Pengeluaran dan Nilai Akuakultur Air Payau, 2018

Production and Value of Brackishwater Aquaculture, 2018

AKUAKULTUR AIR PAYAU <i>Brackishwater Aquaculture</i>	2017		2018		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 <i>Quantity</i>	Nilai <i>Value</i>
Ikan Marin (<i>Marine Fish</i>)	55,945.94	1,084,502.94	49,767.94	1,062,618.96	-11.04	-2.02
Udang Marin (<i>Marine Prawn</i>)	45,783.09	1,067,337.05	45,923.23	1,114,951.96	0.31	4.46
Kerang (<i>Cockles</i>)	12,482.34	64,658.67	16,642.73	84,030.47	33.33	29.96
Siput Sudu (<i>Mussels</i>)	2,274.29	8,757.37	996.89	5,020.85	-56.17	-42.67
Ketam (<i>Crabs</i>)	95.98	2,665.38	87.18	2,764.61	-9.17	3.72
Rumpai Laut (<i>Seaweed</i>)	202,965.58	44,661.03	174,083.20	52,224.96	-14.23	16.94
Pelbagai (<i>Others</i>)	4,871.38	40,172.36	2,694.12	24,296.29	-44.69	-39.52
JUMLAH BESAR <i>Grand Total</i>	268,472.66	1,228,251.86	290,195.28	2,345,908.10	8.09	91.00



Kuantiti dan Nilai Pengeluaran Akuakultur, (2014-2018)

Quantity and Value of Aquaculture Production, (2014-2018)

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

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



Kuantiti dan Nilai Pengeluaran Akuakultur Air Tawar, (2014-2018)

Quantity and Value of Freshwater Aquaculture Production, (2014-2018)

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

NILAI (RM'000) <i>Value (RM'000)</i>	2014	2015	2016	2017	2018
Kolam / <i>Ponds</i>	501,293.22	484,308.33	453,362.34	419,964.54	412,365.19
Bekas Lombong / <i>Ex-mining Pools</i>	44,645.66	101,902.47	126,142.75	100,997.25	114,102.74
Sangkar / <i>Cages</i>	164,710.51	158,130.20	168,657.83	157,085.18	137,524.35
Tangki Simen / <i>Cement Tanks</i>	32,874.13	41,916.92	39,361.65	46,779.17	43,461.52
Tangki Kanvas / <i>Canvas Tanks</i>	5,528.88	651.80	417.00	1,151.41	1,010.37
Kandang Ikan / <i>Pen Culture</i>	908.00	1,945.99	1,176.07	2,206.44	2,417.34
Estet / <i>Estet</i>					212.21



Kuantiti dan Nilai Pengeluaran Akuakultur Air Payau, (2014-2018)

Quantity and Value of Brackishwater Aquaculture Production, (2014-2018)

PENGELUARAN (TAN METRIK) <i>Production (Tonnes)</i>	2014	2015	2016	2017	2018
Kolam / <i>Ponds</i>	83,436.57	67,948.47	49,604.32	67,100.26	59,937.79
Sangkar / <i>Cages</i>	42,155.18	45,980.28	35,461.97	36,881.91	37,444.02
Kerang / <i>Cockles</i>	40,454.38	16,866.22	9,596.76	12,482.34	16,642.73
Siput Sudu / <i>Mussels</i>	1,414.90	1,673.13	1,827.27	2,274.29	996.89
Lain-Lain / <i>Others</i>	989.64	1,091.70	1,559.58	2,714.22	1,090.65

NILAI (RM'000) <i>Value (RM'000)</i>	2014	2015	2016	2017	2018
Kolam / <i>Ponds</i>	1,558,344.98	1,369,106.42	1,018,193.79	1,347,973.10	1,298,542.78
Sangkar / <i>Cages</i>	872,319.69	951,332.76	803,481.77	807,212.65	879,509.60
Kerang / <i>Cockles</i>	74,697.48	41,238.06	38,805.68	64,658.67	84,030.47
Siput Sudu / <i>Mussels</i>	1,363.46	2,842.47	5,065.37	8,757.37	5,020.85
Lain-Lain / <i>Others</i>	9,987.81	12,707.75	26,087.44	39,491.98	26,579.44



Pengeluaran dan Nilai Ikan Hiasan, 2018

Production and Value of Ornamental Fish, 2018

IKAN HIASAN ORNAMENTAL FISH	2017		2018		PERUBAHAN / CHANGES (%)	
	KUANTITI (EKOR) QUANTITY (PIECES)	NILAI VALUE (RM '000)	KUANTITI (EKOR) QUANTITY (PIECES)	NILAI VALUE (RM '000)	KUANTITI QUANTITY	NILAI VALUE
<i>Cyprinids</i>	88,191,200	100,777.90	100,103,414	112,097.51	13.51	11.23
<i>Anabantids</i>	18,424,923	22,688.19	19,694,038	24,137.80	6.89	6.39
<i>Poecilids</i>	59,728,621	16,410.25	45,243,216	13,047.37	-24.25	-20.49
<i>Characins</i>	26,747,940	23,856.13	27,595,078	23,865.73	3.17	0.04
<i>Chichlids</i>	6,852,653	10,018.32	9,191,730	13,358.60	34.13	33.34
<i>Osteoglossids</i>	933,303	96,657.52	765,873	107,794.34	-17.94	11.52
<i>Callichthyids</i>	44,824,621	43,911.39	46,860,027	44,474.38	4.54	1.28
<i>Cobitids</i>	-	-	-	-	-	-
<i>Loricariidae</i>	6,354,627	1,428.71	13,087,508	3,037.02	105.95	112.57
Lain-lain (Others)	72,755,128	11,204.85	62,787,619	8,513.39	-13.70	-24.02
JUMLAH BESAR / Grand Total	324,813,016	326,953.26	325,328,503	350,326.14	0.16	7.15



Pengeluaran Dan Nilai Tumbuhan Akuatik, 2018

Production and Value of Aquatic Plants, 2018

TUMBUHAN AKUATIK AQUATIC PLANTS	2017		2018		PERUBAHAN / CHANGES (%)	
	KUANTITI (IKAT) QUANTITY (BUNDLES)	NILAI VALUE (RM '000)	KUANTITI (IKAT) QUANTITY (BUNDLES)	NILAI VALUE (RM '000)	KUANTITI QUANTITY	NILAI VALUE
 KEDAH	8,854	20.84	9,855	22.74	11.31	9.12
 NEGERI SEMBILAN	248,200	578.50	428,000	1,070.00	72.44	84.96
 JOHOR	111,992,857	12,379.28	116,564,716	18,802.41	4.08	51.89
 PAHANG	0	0.00	3,716	29.73	0.00	0.00
JUMLAH BESAR GRAND TOTAL	112,249,911	12,978.62	117,006,287	19,924.88	4.24	53.52



Pengeluaran dan Nilai Ikan Hiasan, (2014-2018)
Production and Value of Ornamental Fish, (2013-2017)



Pengeluaran Rega Dan Benih Dari Hatceri Kerajaan Dan Swasta, 2018

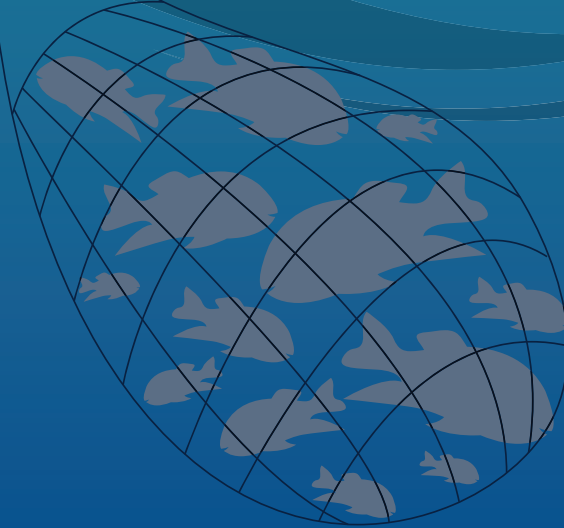
Production of Fish Fries and Hatchlings From Government and Private Hatcheries, 2018

REGA DAN BENIH <i>Hatchlings and Fries</i>	HATCHERI KERAJAAN <i>Government Hatchery</i>			HATCHERI SWASTA <i>Private Hatchery</i>		
	2017	2018	Perubahan <i>Changes%</i>	2017	2018	Perubahan <i>Changes%</i>
AIR TAWAR <i>(FRESHWATER)</i>	18,070,151	14,870,371	-17.71	1,701,116,533	1,306,711,104	-23.19
AIR PAYAU <i>(BRACKISHWATER)</i>	21,246,238	87,270,363	310.76	205,885,837	565,798,224	174.81
UDANG <i>(PRAWN)</i>	27,302,920	11,915,760	-56.36	4,691,956,529	6,474,892,952	378
JUMLAH / <i>TOTAL</i>	66,619,309	114,056,494	-71.21	6,598,958,899	8,347,402,280	26.50

* Kuantiti dalam ekor / * *Quantity in pieces*



Perikanan Darat
Inland Fisheries



Pendaratan dan Nilai Perikanan Darat Mengikut Perairan, 2018

Landings and Value of Inland Fisheries by Waterbodies, 2018

PERIKANAN DARAT <i>Inland Fisheries</i>	2017		2018		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 <i>Quantity</i>	Nilai <i>Value</i>
Sungai (<i>Rivers</i>)	3,522.46	76,659.78	4,845.09	111,568.51	37.55	45.54
Bekas Lombong (<i>Ex-Mining Pools</i>)	391.03	3,655.76	373.03	3,242.83	-4.60	-11.30
Empangan (<i>Dams</i>)	531.35	5,920.68	485.57	5,213.87	-8.62	-11.94
Tasik (<i>Lakes</i>)	295.99	3,326.95	306.94	3,397.30	3.70	2.11
Lain-lain (<i>Others</i>)	436.36	3,749.46	78.45	937.27	-82.02	-75.00
JUMLAH BESAR / <i>Grand Total</i>	5,177.19	93,312.63	6,089.08	124,359.77	17.61	33.27

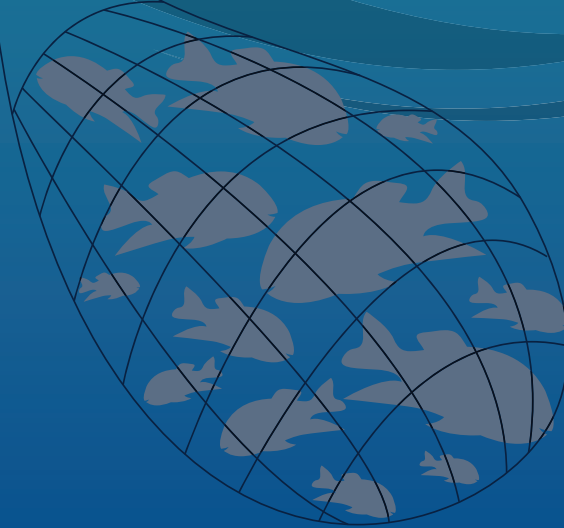


Pendaratan dan Nilai Perikanan Darat, (2014-2018)
Production and Value of Ornamental Fish, (2014-2018)

	2014	2015	2016	2017	2018
 PENDARATAN (TAN METRIK) LANDINGS (TONNES)	6,520.00	5,924.19	5,847.97	5,177.19	6,089.08
 NILAI (VALUE)	75.13	71.68	89.51	93.31	124.36



Lampiran
Appendices



BILANGAN NELAYAN YANG BEKERJA DI ATAS VESEL PENANGKAPAN IKAN YANG BERLESEN, 2018

NUMBER OF FISHERMEN WORKING ON LICENSED FISHING VESSELS, 2018

NEGERI STATE KETURUNAN ETHNIC GROUP	 PERLIS	 KEDAH	 PULAU PINANG	 PERAK	 SELANGOR	 NEGERI SEMBILAN	 MELAKA	 JOHOR	 PAHANG	 TERENGGANU	 KELANTAN	 SARAWAK	 SABAH	 W.P LABUAN	JUMLAH BESAR GRAND TOTAL
BUMIPUTERA <i>BUMIPUTERAS</i>	1,198	8,758	2,743	2,790	1,856	229	771	7,517	4,255	6,557	3,648	9,738	23,552	341	73,953
CINA <i>CHINESE</i>	28	908	1,900	7,029	4,595	188	109	2,341	747	10	-	654	340	38	18,887
INDIA <i>INDIANS</i>	-	-	46	166	206	38	1	13	20	-	-	795	-	-	1,285
LAIN-LAIN (TEMPATAN) <i>OTHERS (LOCAL)</i>	-	-	-	-	165	-	61	362	-	-	-	68	-	-	656
THAI <i>THAIS</i>	2,243	2,916	115	4,945	376	-	-	2,449	2,413	1,812	2,358	461	-	-	20,088
INDONESIA <i>INDONESIANS</i>	-	9	124	35	181	-	-	12	155	117	-	1,410	152	-	2,195
VIETNAM <i>VIETNAMESE</i>	-	-	-	-	-	-	-	686	695	-	836	-	349	17	2,583
LAIN-LAIN (ASING) <i>OTHERS (FOREIGNERS)</i>	24	400	46	727	465	-	-	65	105	489	-	411	5,769	-	8,501
JUMLAH BESAR GRAND TOTAL	3,493	12,991	4,974	15,692	7,844	455	942	13,445	8,390	8,985	6,842	13,537	30,162	396	128,148

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



BILANGAN VESEL PENANGKAPAN IKAN YANG BERLESEN MENGIKUT NEGERI DAN KELAS MUATAN, MALAYSIA, 2018

NUMBER OF LICENSED FISHING VESSELS BY STATE AND TONNAGE CLASS, MALAYSIA, 2018

JENIS TYPE NEGERI STATE	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	4	39	24	10	24	73	85	26	285	439	-	724
Kedah	8	97	49	12	27	188	461	87	929	4,028	-	4,957
Pulau Pinang	22	224	51	-	2	105	12	19	435	2,444	-	2,879
Perak	198	1,015	250	358	102	187	635	161	2,906	1,955	2	4,863
Selangor	4	502	119	148	153	243	177	-	1,346	2,179	38	3,563
Negeri Sembilan	-	17	7	-	-	-	-	-	24	329	-	353
Melaka/Malacca	-	50	27	2	-	-	-	-	79	734	1	814
Johor Barat/West Johore	35	161	90	41	42	65	-	-	434	2,263	5	2,702
Jumlah Kecil/Sub-Total	271	2,105	617	571	350	861	1,370	293	6,438	14,371	46	20,855
Pantai Timur/East Coast:												
Kelantan	195	85	85	67	64	56	75	85	712	877	-	1,589
Terengganu	82	316	244	134	79	141	115	45	1,156	1,422	-	2,578
Pahang	24	73	134	82	55	128	346	70	912	893	-	1,805
Johor Timur/East Johore	25	59	89	46	17	157	156	70	619	1,437	1	2,057
Jumlah Kecil/Sub-Total	326	533	552	329	215	482	692	270	3,399	4,629	1	8,029
Malaysia:	597	2,638	1,169	900	565	1,343	2,062	563	9,837	19,000	47	28,884
Semenanjung Malaysia/ (Peninsular Malaysia)												
Sarawak	779	484	236	55	77	152	285	88	2,156	4,174	201	6,531
Sabah	868	697	334	308	412	549	82	43	3,293	10,617	2,956	16,866
W.P. Labuan/ Federal Territory Labuan	-	-	-	-	-	-	-	2	2	273	-	275
Jumlah Besar Grand Total	2,244	3,819	1,739	1,263	1,054	2,044	2,429	696	15,288	34,064	3,204	52,556

GRT- Gross Registered Tonnage.



BILANGAN PERALATAN MENANGKAP IKAN YANG BERLESEN MENGIKUT NEGERI, MALAYSIA, 2018

NUMBER OF LICENSED FISHING GEARS BY STATE, MALAYSIA, 2018

NEGERI STATE 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	BUJBU PORTABLE TRAPS	PANCING HOOKS & LINES	PUKAT BAKUL BAG NETS	PUKAT RENTANG BARRIER NETS	PUKAT SUPUNG PUSH/SCOOP NETS	BINTOH KETAM CRAB TRAPS	MEMUNGUT SIPUT SHELLFISH COLLECTION	RAMPAIAN MISCELLANEOUS	JUMLAH TOTAL
Pantai Barat (West Coast)																		
Perlis	103	55	-	-	-	-	511	-	-	-	2	-	-	-	-	-	-	671
Kedah	554	122	59	-	-	-	4,119	-	1	-	3	5	-	-	-	-	-	4,863
Pulau Pinang	110	7	-	43	-	3	2,605	-	-	4	20	9	-	-	3	-	-	2,804
Perak	1,341	147	8	-	510	29	2,236	-	-	3	32	35	1	5	205	47	-	4,599
Selangor	684	34	-	-	-	-	2,606	-	-	17	83	97	7	-	-	25	7	3,560
Negeri Sembilan	-	-	-	-	-	1	338	-	-	5	9	-	-	-	-	-	-	353
Melaka	-	-	-	-	-	-	814	-	-	-	-	-	-	-	-	-	-	814
Johor Barat/West Johore	131	-	-	-	-	-	2,457	-	24	2	4	38	2	-	-	-	-	2,658
Jumlah Kecil/Sub-Total	2,923	365	67	43	510	33	15,686	-	25	31	153	184	10	5	208	72	7	20,322
Pantai Timur/East Coast																		
Kelantan	104	76	13	-	-	12	1,216	15	-	22	118	-	-	-	-	-	-	1,576
Terengganu	136	135	17	-	-	1	336	14	-	115	1,752	20	-	-	-	-	-	2,526
Pahang	372	89	4	-	-	1	954	6	-	95	202	-	-	-	-	-	2	1,725
Johor Timur/East Johore	199	91	-	-	-	-	1,525	-	17	17	51	-	-	-	-	-	-	1,900
Jumlah Kecil/Sub-Total	811	391	34	-	-	14	4,031	35	17	249	2,123	20	-	-	-	-	2	7,727
Sarawak	352	35	-	-	-	7	5,575	1	2	49	68	253	158	31	-	-	-	6,531
Sabah	1,515	251	29	-	-	43	8,742	396	133	759	3,601	-	5	-	668	127	597	16,866
W.P. Labuan	-	3	4	-	-	-	123	-	-	26	119	-	-	-	-	-	-	275
Federal Territory Of Labuan																		
Jumlah Kecil/Sub-Total	1,867	289	33	-	-	50	14,440	397	135	834	3,788	253	163	31	668	127	597	23,672
Jumlah Besar	5,601	1,045	134	43	510	97	34,157	432	177	1,114	6,064	457	173	36	876	199	606	51,721
Grand Total																		

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



PENDARATAN IKAN LAUT MENGIKUT NEGERI DAN KUMPULAN PERALATAN MENANGKAP IKAN, MALAYSIA, 2018

LANDINGS OF MARINE FISH BY STATE AND FISHING GEAR GROUP , MALAYSIA, 2018

(Tan Metrik/Tonnes)

KUMPULAN PERALATAN MENANGKAP IKAN FISHING GEAR GROUP NEGERI/STATE	PUKAT TUNDA TRAWL NETS	PUKAT JERUT IKAN FISH PURSE SEINES	PUKAT JERUT BILIS ANCHORY 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	RAMPAIAN MISCELLANEOUS	JUMLAH TOTAL
Pantai Barat /West Coast															
Perlis	31,204	57,155	-	157	7,063	-	-	-	-	-	-	363	-	54	95,995
Kedah	75,029	3,707	5,754	-	59,907	-	-	9	928	810	162	893	1,903	175	149,279
Pulau Pinang	22,525	997	-	10,762	19,482	-	-	51	874	65	99	-	-	-	54,854
Perak	180,748	84,480	791	16,446	19,193	-	-	3,503	511	4,207	316	1,588	1,141	932	313,857
Selangor	87,391	6,357	-	14	38,941	-	384	25	3,719	1,177	1,786	1,082	130	267	141,271
Negeri Sembilan	-	-	-	-	628	-	-	18	25	-	-	-	-	-	670
Melaka	-	-	-	-	1,586	-	-	2	265	-	-	61	-	-	1,913
Johor Barat/ <i>West Johore</i>	7,195	-	-	-	15,407	-	205	433	2,241	3,760	-	-	-	657	29,898
Jumlah Kecil/Sub-Total	404,090	152,696	6,546	27,378	162,207	-	589	4,040	8,563	10,019	2,363	3,987	3,174	2,085	787,738
Pantai Timur /East Coast															
Kelantan	26,289	41,128	205	-	20,172	5,869	-	1,482	3,220	-	-	-	923	126	99,414
Terengganu	11,184	15,717	1,239	-	4,043	1,054	-	3,541	4,952	-	-	-	-	-	41,730
Pahang	72,621	30,231	3,395	-	7,481	24	-	2,891	4,565	-	-	-	-	2	121,211
Johor Timur/ <i>East Johore</i>	17,851	19,592	-	-	1,660	131	51	241	139	-	-	-	-	117	39,783
Jumlah Kecil/Sub-Total	127,945	106,669	4,840	-	33,357	7,078	51	8,155	12,876	-	-	-	923	244	302,138
Malaysia:															
Semenanjung Malaysia <i>Peninsular Malaysia</i>	532,035	259,365	11,385	27,378	195,564	7,078	641	12,196	21,439	10,019	2,363	3,987	4,097	2,330	1,089,876
Sarawak	66,314	31,179	-	136	51,926	114	-	2,609	2,722	7,940	4,906	1,390	994	10,375	180,605
Sabah	70,730	33,277	115	1,099	25,033	10,407	1,725	837	13,262	-	447	2,300	1,966	1,857	163,055
Wilayah Persekutuan Labuan <i>Federal Territory Of Labuan</i>	11,376	1,462	94	-	2,541	163	-	346	3,343	-	-	-	-	-	19,326
Jumlah Besar Grand Total	680,456	325,282	11,595	28,613	275,064	17,762	2,366	15,988	40,766	17,959	7,717	7,677	7,057	14,561	1,452,862



PENDARATAN IKAN LAUT MENGIKUT BULAN DAN NEGERI, 2018

LANDINGS OF MARINE FISH BY MONTH AND STATE, 2018

(Tan Metrik/ Tonnes)

NEGERI/STATE \ BULAN/MONTH	JANUARI JANUARY	FEBRUARI FEBRUARY	MAR 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	6,932	7,314	7,539	7,460	8,226	7,628	8,763	8,330	7,751	8,275	8,747	9,029	95,995
Kedah	10,893	12,336	12,646	12,916	12,459	12,843	13,257	12,957	12,756	12,895	11,659	11,663	149,279
Pulau Pinang	4,884	4,174	4,605	4,588	4,171	4,233	4,912	4,840	4,678	4,854	4,590	4,325	54,854
Perak	21,134	18,936	22,277	24,678	28,427	27,734	29,234	31,648	29,848	27,860	27,313	24,767	313,857
Selangor	11,908	11,104	11,360	11,518	11,709	11,838	12,909	12,306	11,831	11,388	11,895	11,505	141,271
Negeri Sembilan	47	49	55	60	52	56	53	56	59	64	57	60	670
Melaka	162	153	180	165	133	138	159	179	151	168	163	162	1,913
Johor Barat/West Johore	2,241	2,544	2,617	2,634	2,710	2,466	2,644	2,552	2,571	2,570	2,308	2,041	29,898
Jumlah Kecil/Sub-Total	58,203	56,611	61,280	64,018	67,888	66,935	71,933	72,868	69,645	68,075	66,733	63,552	787,738
Pantai Timur /East Coast													
Kelantan	7,625	6,987	7,571	8,422	10,158	10,940	7,936	8,908	9,482	10,346	6,040	4,998	99,414
Terengganu	1,977	2,566	4,321	4,643	4,160	2,822	2,870	3,300	4,564	5,651	3,323	1,533	41,730
Pahang	5,643	6,312	7,229	12,458	10,244	11,274	11,784	11,281	13,218	12,711	11,407	7,650	121,211
Johor Timur/East Johore	1,321	1,286	2,751	2,772	3,603	4,378	3,768	3,248	4,234	4,448	4,281	3,693	39,783
Jumlah Kecil/Sub-Total	16,566	17,152	21,872	28,294	28,165	29,414	26,358	26,737	31,498	33,157	25,051	17,874	302,138
Malaysia:													
Semenanjung Malaysia Peninsular Malaysia	74,769	73,762	83,152	92,312	96,052	96,349	98,291	99,604	101,143	101,232	91,783	81,426	1,089,876
Sarawak	9,467	10,864	17,904	18,166	16,876	15,262	17,131	16,751	15,375	15,495	14,353	12,960	180,605
Sabah	12,164	11,841	14,744	14,627	14,294	14,761	14,436	14,141	14,138	13,795	12,826	11,288	163,055
Wilayah Persekutuan Labuan Federal Territory Of Labuan	1,012	1,007	2,021	2,106	2,238	2,101	2,204	1,533	1,575	1,369	1,284	875	19,326
Jumlah Besar Grand Total	97,412	97,475	117,821	127,212	129,460	128,473	132,062	132,031	132,231	131,891	120,247	106,549	1,452,862



NILAI PENDARATAN IKAN LAUT MENGIKUT NEGERI DAN GRED IKAN, 2018

VALUE OF MARINE FISH LANDINGS BY STATE AND GRADE OF FISH, 2018

		PANTAI BARAT SEMENANG/ WEST COAST										PANTAI TIMUR SEMENANG/ EAST COAST					MALAYSIA TIMUR/EAST				JUMLAH BESAR GRAND TOTAL
		Perlis	Kedah	P.Pinang	Perak	Selangor	N.Sembilan	Melaka	Johor (B)	JUMLAH TOTAL	Kelantan	Terengganu	Pahang	Johor (T)	JUMLAH TOTAL	Sarawak	Sabah	WP.Labuan	JUMLAH TOTAL		
IKAN	A1	TM	448	465	1,386	2,298	7,076	7	133	1,430	13,242	386	657	1,625	114	2,782	3,992	6,290	1,463	11,744	27,768
		N.B.RM	10,822,061	21,717,891	57,154,650	100,354,931	244,139,473	212,701	4,098,502	49,623,428	488,123,636	9,497,370	17,205,070	39,448,196	2,666,257	68,816,893	81,031,310	71,981,448	29,261,148	182,273,906	739,214,435
		N.R.RM	13,528,777	24,802,341	69,831,934	119,776,121	324,572,099	262,733	4,336,830	56,474,824	613,585,859	11,683,298	20,082,546	47,086,302	3,210,440	82,062,586	120,952,270	133,714,477	36,386,887	291,053,635	986,701,879
	A2	TM	537	1,620	1,830	3,743	11,330	56	151	3,253	22,519	1,525	847	1,922	372	4,666	11,226	5,467	1,273	17,967	45,151
		N.B.RM	10,473,377	52,852,457	40,360,727	81,446,646	221,718,119	1,360,234	4,163,851	84,081,993	496,457,403	24,969,376	21,053,073	52,126,256	9,170,340	107,319,044	145,273,512	61,562,144	20,566,722	227,402,378	831,178,825
		N.R.RM	12,801,002	59,547,051	50,391,828	111,096,036	270,828,584	1,584,178	4,324,717	96,085,707	606,659,103	31,989,081	24,475,504	61,010,915	10,893,647	128,369,148	224,690,910	91,714,110	28,123,036	344,528,056	1,079,566,307
	B	TM	31	1,062	117	647	1,014	20	64	123	3,078	902	367	139	51	1,459	3,763	6,585	1,938	12,286	16,823
		N.B.RM	337,913	29,356,406	1,557,095	10,766,483	11,104,971	472,364	890,305	1,782,011	56,267,548	13,663,112	6,169,691	1,850,632	677,075	22,360,510	45,322,497	61,173,343	24,880,624	131,376,464	210,004,522
		N.R.RM	430,653	33,137,118	2,238,049	13,507,776	14,711,038	541,915	999,923	2,298,354	67,864,826	18,098,019	7,650,819	2,278,949	972,413	28,999,744	69,349,475	92,013,527	33,123,056	194,486,059	291,350,629
	C	TM	67,668	118,528	18,357	159,277	45,660	473	1,100	10,746	421,808	80,470	30,527	80,507	20,563	212,067	102,292	87,267	10,546	200,106	833,981
		N.B.RM	486,804,176	1,290,055,986	135,365,339	1,067,443,409	288,434,630	4,542,253	14,906,912	117,905,482	3,405,458,187	518,160,051	250,399,456	630,148,276	181,793,232	1,580,501,015	467,092,886	405,353,105	94,368,739	966,814,731	5,952,773,933
		N.R.RM	696,981,531	1,539,263,851	222,060,695	1,483,508,749	424,015,512	5,991,042	16,274,359	142,005,297	4,530,101,036	693,255,898	318,036,771	914,371,170	255,725,986	2,181,389,825	864,953,429	599,480,148	126,746,594	1,591,180,471	8,302,671,332
JUMLAH/ TOTAL	TM	68,683	121,675	21,689	165,965	65,079	556	1,447	15,552	460,647	83,283	32,397	84,194	21,100	220,974	121,273	105,609	15,221	242,103	923,724	
	N.B.RM	508,437,526	1,393,982,740	234,437,811	1,260,011,468	765,397,194	6,587,552	24,059,569	253,392,914	4,446,306,773	566,289,908	294,827,290	723,573,359	194,306,905	1,778,997,462	738,720,206	600,070,040	169,077,233	1,507,867,479	7,733,171,715	
	N.R.RM	723,741,964	1,656,750,361	344,522,507	1,727,888,682	1,034,127,233	8,379,869	25,935,828	296,864,181	5,818,210,624	755,026,296	370,245,640	1,024,746,880	270,802,486	2,420,821,303	1,279,946,085	916,922,562	224,379,574	2,421,248,221	10,660,280,147	
UDANG	A1	TM	69	806	2,496	1,975	2,491	7	86	1,018	8,949	511	53	103	826	1,493	1,008	3,475	253	4,736	15,178
		N.B.RM	2,525,582	36,193,720	129,567,874	92,907,619	98,813,916	318,459	4,763,232	46,343,899	411,434,280	24,900,835	3,065,691	2,597,982	53,313,622	83,878,130	25,040,430	93,844,851	13,785,522	132,670,831	627,983,213
		N.R.RM	3,257,245	41,748,923	147,413,819	106,815,576	147,776,732	341,557	5,235,472	51,867,476	504,456,801	29,045,776	3,548,963	3,164,741	62,303,686	98,063,156	34,591,558	125,473,785	18,592,065	178,657,408	781,177,365
	A2	TM	37	950	1,368	1,883	3,703	21	84	1,726	9,771	228	109	64	32	432	2,374	2,232	157	4,763	14,966
		N.B.RM	1,197,311	36,086,588	43,638,488	50,409,130	115,192,531	769,561	2,870,277	68,854,572	319,018,457	7,645,676	2,709,948	2,503,120	355,331	13,214,075	40,940,343	23,873,991	4,712,207	69,526,541	401,759,072
		N.R.RM	1,462,034	42,591,568	52,563,529	58,734,172	151,857,668	834,940	3,271,303	75,500,482	386,815,696	8,709,789	3,167,697	3,026,277	464,880	15,368,643	65,317,549	44,824,758	6,282,943	116,425,250	518,609,589
	B	TM	46	124	125	369	266	-	-	373	1,303	195	104	132	45	476	298	530	-	828	2,607
		N.B.RM	1,330,307	3,526,002	3,665,896	8,437,160	2,397,636	-	-	13,068,406	32,425,407	5,503,322	2,047,050	3,417,087	2,162,982	13,130,441	2,611,624	10,943,623	-	13,555,247	59,111,095
		N.R.RM	1,486,662	3,989,732	4,271,485	10,967,228	3,545,033	-	-	14,670,221	38,930,361	6,198,636	2,338,811	4,332,678	2,387,821	15,257,946	3,931,417	14,150,331	-	18,081,748	72,270,055
	C	TM	378	3,036	1,840	33,298	20,883	30	67	4,620	64,153	367	68	448	79	962	10,022	7,967	458	18,447	83,562
		N.B.RM	6,998,974	72,979,694	36,058,507	237,006,081	84,534,222	779,638	1,104,158	24,041,107	463,502,382	6,371,889	805,695	4,372,389	1,946,887	13,496,899	54,363,058	44,962,326	10,408,232	109,733,615	586,732,855
		N.R.RM	8,564,540	85,040,664	54,254,150	346,336,129	103,348,643	853,590	1,233,252	34,414,939	630,405,906	7,683,460	1,100,803	5,659,061	2,193,442	16,636,767	89,752,076	67,082,978	15,746,352	172,581,406	823,264,079
JUMLAH/ TOTAL	TM	530	4,917	5,828	37,525	27,343	59	237	7,737	84,176	1,300	333	747	982	3,363	13,703	14,204	868	28,774	116,314	
	N.B.RM	12,052,153	148,786,005	212,930,764	388,759,990	300,938,304	1,867,658	8,737,667	152,307,984	1,226,380,525	44,421,722	8,628,384	12,890,577	57,778,822	123,719,504	122,955,455	173,624,791	28,905,961	325,486,206	1,675,586,235	
	N.R.RM	14,770,481	173,370,887	258,502,983	522,853,104	406,528,076	2,030,087	9,740,027	176,453,119	1,564,248,765	51,637,661	10,156,265	16,182,757	67,349,829	145,326,512	193,592,600	251,531,852	40,621,360	485,745,812	2,195,321,088	
SOTONG	A	TM	4,549	3,836	1,529	17,859	5,618	-	332	33,723	3,230	2,448	7,505	3,944	17,126	3,237	9,844	187	13,268	64,117	
		N.B.RM	68,624,458	81,854,773	25,561,801	294,354,985	60,284,025	-	5,224,671	535,904,713	62,627,133	51,947,795	126,087,991	66,606,709	307,269,628	21,889,876	108,201,513	2,414,193	132,505,581	975,679,921	
		N.R.RM	103,199,422	92,007,627	37,884,261	375,314,171	88,546,167	-	5,980,678	702,932,325	74,341,481	59,713,609	157,709,297	79,044,902	370,809,290	42,150,553	146,709,876	3,163,552	192,023,981	1,265,765,595	
	B	TM	-	209	1	1,794	31	-	-	2,034	712	1,160	1,271	-	3,142	59	331	6	397	5,574	
		N.B.RM	-	2,835,761	4,491	34,712,856	206,324	-	-	37,759,432	13,864,905	17,830,526	25,462,483	-	57,157,914	333,819	1,780,264	77,690	2,191,773	97,109,119	
		N.R.RM	-	3,254,109	6,678	40,904,897	263,956	-	-	44,429,640	17,140,441	21,469,230	30,800,447	-	69,410,118	964,141	2,964,860	103,586	4,032,588	117,872,345	
JUMLAH/ TOTAL	TM	4,549	4,045	1,529	19,653	5,649	-	332	35,757	3,942	3,608	8,776	3,944	20,269	3,296	10,175	194	13,665	69,691		
	N.B.RM	68,624,458	84,690,533	25,566,292	329,067,842	60,490,349	-	5,224,671	573,664,145	76,492,038	69,778,321	51,550,474	66,606,709	364,427,541	22,223,695	109,981,777	2,491,882	134,697,354	1,072,789,040		
	N.R.RM	103,199,422	95,261,736	37,890,939	416,219,069	88,810,123	-	5,980,678	747,361,965	91,481,922	81,182,839	188,509,745	79,044,902	440,219,407	43,114,695	149,674,736	3,267,138	196,056,568	1,383,637,940		
KETAM	TM	232	1,170	757	2,274	3,007	8	-	1,521	8,969	878	187	618	621	2,304	967	2,644	451	4,062	15,335	
	N.B.RM	4,125,073	31,514,011	17,580,513	46,937,838	51,019,736	142,321	-	30,981,499	182,300,991	19,124,957	3,928,937	12,220,683	12,769,692	48,044,269	18,220,315	24,768,569	7,209,524	50,198,408	280,543,668	
	N.R.RM	5,515,451	35,631,928	22,286,337	55,546,858	68,400,300	180,778	-	37,718,654	225,280,307	22,160,090	4,480,727	14,763,807	15,504,779	56,909,402	27,300,434	36,552,294	9,011,904	72,864,633	355,054,342	
KERANGAN	TM	-	1,903	-	1,140	131	-	-	-	3,175	1,391	98	-	59	1,548	994	843				

PENGELUARAN DAN NILAI AKUAKULTUR DARIPADA SISTEM TERNAKAN AIR TAWAR MENGIKUT SPESIS, 2018

AQUACULTURE PRODUCTION FROM FRESHWATER CULTURE SYSTEM BY SPECIES, 2018

SPESIS SPECIES	UNIT	SISTEM TERNAKAN / CULTURE SYSTEM							JUMLAH TOTAL
		KOLAM AIR TAWAR FRESHWATER PONDS	BEKAS LOMBONG EX-MINING POOLS	SANGKAR AIR TAWAR FRESHWATER CAGES	TANGKI SIMEN CEMENT TANKS	TANGKI KANVAS CANVAS TANKS	KANDANG IKAN PEN CULTURE	ESTET ESTET	
Baung	MT / Tonnes	551.00	68.39	907.42	-	-	-	-	1,526.82
River Catfish	RM '000	8,169.82	1,115.23	13,549.53	-	-	-	-	22,834.58
Haruan	MT / Tonnes	48.13	19.35	-	1.12	-	-	-	68.60
Snakehead	RM '000	759.61	216.93	-	13.82	-	-	-	990.36
Jelawat	MT / Tonnes	1,383.63	359.48	28.16	-	-	-	-	1,771.27
River Carp	RM '000	17,966.84	2,603.98	406.82	-	-	-	-	20,977.63
Kap Kepala Besar	MT / Tonnes	81.27	1,980.10	-	-	-	-	-	2,061.37
Big Head Carp	RM '000	554.00	8,635.61	-	-	-	-	-	9,189.61
Kap Rumput	MT / Tonnes	205.93	168.20	-	-	-	-	-	374.13
Grass Carp	RM '000	1,879.60	1,322.89	-	-	-	-	-	3,202.50
Keli	MT / Tonnes	30,121.41	264.00	822.61	1,981.36	170.78	59.42	-	33,419.58
Freshwater Catfish	RM '000	135,130.22	1,549.20	4,078.97	9,154.69	895.83	242.09	-	151,051.00
Lampam Jawa	MT / Tonnes	547.29	412.39	268.88	-	-	1.93	-	1,230.49
Javanese Carp	RM '000	4,535.08	2,109.04	4,726.19	-	-	14.90	-	11,385.21
Lee Koh	MT / Tonnes	506.31	642.31	8.36	-	-	-	-	1,156.98
Common Carp	RM '000	3,505.35	3,784.68	72.86	-	-	-	-	7,362.89
Patin	MT / Tonnes	5,414.59	7,140.28	5,581.81	17.24	1.54	298.97	-	18,454.42
River Catfish	RM '000	33,409.62	23,803.63	58,370.63	113.60	11.72	1,930.97	-	117,640.17
Rohu	MT / Tonnes	896.09	7,040.28	-	-	-	-	-	7,936.37
Labeo Rohita	RM '000	4,167.91	32,501.45	-	-	-	-	-	36,669.36
Tilapia Hitam	MT / Tonnes	2,047.08	1,029.63	2,498.85	214.74	-	-	-	5,790.29
Black Tilapia	RM '000	19,782.01	4,437.77	12,656.56	1,970.38	-	-	-	38,846.72
Tilapia Merah	MT / Tonnes	14,596.41	4,016.33	3,812.81	2,755.84	10.22	8.28	-	25,199.89
Red Tilapia	RM '000	143,321.46	31,877.49	40,931.78	30,032.12	94.12	82.39	-	246,339.37
Toman	MT / Tonnes	509.84	-	-	-	-	-	-	509.84
Giant Snakehead	RM '000	5,426.74	-	-	-	-	-	-	5,426.74
Udang Galah	MT / Tonnes	213.42	-	-	-	-	-	-	213.42
Giant Freshwater Prawn	RM '000	12,088.51	-	-	-	-	-	-	12,088.51
Pelbagai	MT / Tonnes	1,357.94	18.17	65.00	60.80	0.76	18.37	35.37	1,556.41
Others	RM '000	21,668.42	144.84	2,731.01	2,176.91	8.70	146.99	212.21	27,089.08
Jumlah	MT / Tonnes	58,480.34	23,158.91	13,993.90	5,031.10	183.30	386.97	35.37	101,269.88
Total	RM '000	412,365.19	114,102.74	137,524.35	43,461.52	1,010.37	2,417.34	212.21	711,093.72

PENGELUARAN DAN NILAI AKUAKULTUR DARIPADA SISTEM TERNAKAN AIR PAYAU MENGIKUT SPESIS, 2018

AQUACULTURE PRODUCTION FROM BRACKISHWATER CULTURE SYSTEM BY SPECIES, 2018

SPESIS SPECIES	UNIT	SISTEM TERNAKAN / CULTURE SYSTEM						JUMLAH TOTAL
		KOLAM AIR PAYAU BRACKISHWATER PONDS	SANGKAR AIR PAYAU BRACKISHWATER CAGES	TANGKI AIR MASIN BRACKISHWATER TANKS	KANDANG AIR PAYAU BRACKISHWATER PEN CULTURE	KERANG- KERANGAN MOLLUSCS	RUMPAI LAUT SEAWEEDS (BASAH/WET)	
Banding	MT / Tonnes	14.20	-	-	-	-	-	14.20
Milkfish	RM '000	142.00	-	-	-	-	-	142.00
Bawal Emas	MT / Tonnes	-	2,242.33	-	-	-	-	2,242.33
Trachinotus blochii	RM '000	-	41,742.18	-	-	-	-	41,742.18
Jenahak	MT / Tonnes	112.72	6,489.26	-	-	-	-	6,601.98
Mangrove Snapper	RM '000	2,921.56	156,106.13	-	-	-	-	159,027.69
Kerang Dewasa	MT / Tonnes	-	-	-	-	16,642.73	-	16,642.73
Cockles	RM '000	-	-	-	-	84,030.47	-	84,030.47
Kerapu	MT / Tonnes	57.43	7,798.38	-	184.41	-	-	8,040.22
Grouper	RM '000	2,191.24	299,362.32	-	9,893.03	-	-	311,446.59
Merah	MT / Tonnes	495.71	8,305.61	-	3.17	-	-	8,804.49
Red Snapper	RM '000	12,556.74	202,815.62	-	63.34	-	-	215,435.70
Nyok-nyok	MT / Tonnes	-	1,738.91	-	-	-	-	1,738.91
Horse mackerel	RM '000	-	30,815.98	-	-	-	-	30,815.98
Siakap	MT / Tonnes	11,559.13	9,682.84	-	1.40	-	-	21,243.37
Sea bass	RM '000	151,417.68	134,995.68	-	22.40	-	-	286,435.76
Siput Sudu	MT / Tonnes	-	-	-	-	996.89	-	996.89
Mussels	RM '000	-	-	-	-	5,020.85	-	5,020.85
Tilapia Merah	MT / Tonnes	617.07	157.81	0.60	-	-	-	775.48
Red Tilapia	RM '000	6,566.27	1,501.84	5.20	-	-	-	8,073.31
Tiram	MT / Tonnes	-	-	-	-	455.22	-	455.22
Oysters	RM '000	-	-	-	-	2,785.17	-	2,785.17
Udang Harimau	MT / Tonnes	9,905.62	-	-	-	-	-	9,905.62
Tiger Prawn	RM '000	315,911.59	-	-	-	-	-	315,911.59
Udang Putih	MT / Tonnes	36,007.25	-	-	-	-	-	36,007.25
Hawaiian White Shrimp	RM '000	798,008.09	-	-	-	-	-	798,008.09
Rumpai Laut	MT / Tonnes	-	-	-	-	-	174,083.20	174,083.20
Seaweeds	RM '000	-	-	-	-	-	52,224.96	52,224.96
Pelbagai	MT / Tonnes	1,168.66	1,028.88	75.79	153.06	217.00	-	2,643.39
Others	RM '000	8,827.61	12,169.85	2,628.40	4,671.91	6,509.99	-	34,807.76
Jumlah	MT / Tonnes	59,937.79	37,444.02	76.39	342.04	18,311.84	174,083.20	290,195.28
Total	RM '000	1,298,542.78	879,509.60	2,633.60	14,650.68	98,346.48	52,224.96	2,345,908.10



PENGELUARAN AKUAKULTUR MENGIKUT NEGERI DAN SISTEM TERNAKAN, 2018 **AQUACULTURE PRODUCTION BY STATE AND CULTURE SYSTEM, 2018** **(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 Brackish- water Tanks	Kandang Air Payau Brackish- water Pen Culture	Kerang- kerangan Molluscs	Rumpai Laut Seaweeds (basah/wet)	Jumlah Kecil Sub Total	
Perlis	125.28	-	-	33.91	-	-	-	159.19	455.23	-	-	-	-	-	455.23	614.42
Kedah	3,026.55	-	53.54	34.18	6.50	-	-	3,120.77	5,858.04	1,190.30	-	-	0.04	-	7,048.38	10,169.15
Pulau Pinang	2,350.52	-	20.49	72.56	9.49	-	-	2,453.07	9,022.91	15,659.62	-	-	1,891.45	-	26,573.98	29,027.05
Perak	16,868.27	22,236.48	3,395.07	659.05	46.85	13.72	-	43,219.45	8,185.28	5,732.20	0.60	-	10,351.60	-	24,269.68	67,489.13
Selangor	9,424.76	222.00	240.05	2,535.22	3.88	-	-	12,425.91	3,204.38	1,013.05	-	-	2,610.46	-	6,827.89	19,253.81
Negeri Sembilan	2,840.74	647.03	66.05	548.90	6.91	-	-	4,109.63	619.68	0.91	-	-	-	-	620.59	4,730.22
Melaka	5,749.31	-	0.46	290.56	-	0.45	-	6,040.77	288.58	-	-	-	5.12	-	293.71	6,334.48
Johor	7,799.16	-	36.19	307.47	-	-	-	8,142.82	9,483.18	10,719.80	-	-	3,035.08	-	23,238.07	31,380.89
Pahang	2,422.73	-	5,624.05	60.13	11.44	-	35.37	8,153.71	4,393.27	18.03	-	-	4.01	-	4,415.31	12,569.02
Terengganu	453.41	53.39	2,786.57	128.06	16.46	-	-	3,437.90	1,367.93	537.53	3.85	-	3.54	-	1,912.85	5,350.75
Kelantan	2,117.42	-	1,335.68	318.95	81.78	372.80	-	4,226.62	62.01	1,626.74	-	-	-	-	1,688.75	5,915.37
Sarawak	3,080.06	-	435.14	15.56	-	-	-	3,530.76	3,817.92	88.88	-	0.86	5.97	-	3,913.63	7,444.38
Sabah	2,222.14	-	0.61	26.07	-	-	-	2,248.81	13,179.38	856.04	71.94	341.18	404.56	174,083.20	188,936.29	191,185.11
W.P. Labuan	-	-	-	0.47	-	-	-	0.47	-	0.92	-	-	-	-	0.92	1.39
Jumlah/Total	58,480.34	23,158.91	13,993.90	5,031.10	183.30	386.97	35.37	101,269.88	59,937.79	37,444.02	76.39	342.04	18,311.84	174,083.20	290,195.28	391,465.16



NILAI BORONG PENGELUARAN AKUAKULTUR MENGIKUT NEGERI DAN SISTEM TERNAKAN, 2018

WHOLESALE VALUE OF AQUACULTURE PRODUCTION BY STATE AND CULTURE SYSTEM, 2018

(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 Brackish- water Tanks	Kandang Air Payau Brackish- water Pen Culture	Kerang- kerangan Molluscs	Rumpai Laut Seaweeds (basah/wet)	Jumlah Kecil Sub Total	
Perlis	956.50	-	-	160.49	-	-	-	1,116.98	7,561.14	-	-	-	-	-	7,561.14	8,678.12
Kedah	15,931.96	-	539.76	137.09	39.00	-	-	16,647.80	94,318.30	31,562.19	-	-	0.49	-	125,880.98	142,528.78
Pulau Pinang	9,309.63	-	137.95	315.41	39.39	-	-	9,802.37	150,707.17	376,165.31	-	-	14,551.47	-	541,423.94	551,226.31
Perak	103,890.66	105,293.21	22,311.91	3,138.87	258.85	128.99	-	235,022.49	215,536.24	119,617.48	5.20	-	51,597.88	-	386,756.79	621,779.28
Selangor	78,939.24	1,839.20	2,641.74	26,337.80	25.83	-	-	109,783.81	104,813.88	28,941.65	-	-	12,021.55	-	145,777.07	255,560.88
Negeri Sembilan	24,495.44	6,436.42	660.50	5,612.09	30.49	-	-	37,234.95	15,432.83	16.38	-	-	-	-	15,449.21	52,684.16
Melaka	23,152.02	-	4.13	1,222.70	-	1.58	-	24,380.43	9,498.37	-	-	-	30.74	-	9,529.12	33,909.55
Johor	39,006.20	-	381.57	2,048.16	-	-	-	41,435.93	203,113.08	238,160.78	-	-	17,981.53	-	459,255.39	500,691.33
Pahang	29,981.15	-	69,362.68	398.18	58.13	-	212.21	100,012.36	109,418.62	200.94	-	-	22.51	-	109,642.07	209,654.43
Terengganu	4,074.08	533.90	28,963.70	733.33	125.55	-	-	34,430.56	29,159.02	9,006.05	38.50	-	63.74	-	38,267.30	72,697.86
Kelantan	14,602.51	-	7,534.44	1,647.85	433.13	2,286.78	-	26,504.71	1,847.23	32,998.07	-	-	-	-	34,845.29	61,350.01
Sarawak	38,717.99	-	4,976.82	1,359.28	-	-	-	45,054.09	77,730.13	2,090.57	-	12.90	27.63	-	79,861.23	124,915.32
Sabah	29,307.81	-	9.15	345.61	-	-	-	29,662.57	279,406.78	40,713.14	2,589.90	14,637.78	2,048.95	52,224.96	391,621.50	421,284.07
W.P. Labuan	-	-	-	4.67	-	-	-	4.67	-	37.05	-	-	-	-	37.05	41.72
Jumlah/Total	412,365.19	114,102.74	137,524.35	43,461.52	1,010.37	2,417.34	212.21	711,093.72	1,298,542.78	879,509.60	2,633.60	14,650.68	98,346.48	52,224.96	2,345,908.10	3,057,001.81



PENGELUARAN DAN NILAI IKAN HIASAN DAN TUMBUHAN AKUATIK MENGIKUT NEGERI 2018

PRODUCTION AND VALUE OF ORNAMENTAL FISH AND AQUATIC PLANT BY STATE, 2018

(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	5,786	47,125.50	-	-
Kedah	19,796	68,540.00	9,855	22,744.70
Pulau Pinang	1,048,328	5,055,448.40	-	-
Perak	63,116,412	92,726,522.68	-	-
Selangor	109,811	3,872,847.60	-	-
Negeri Sembilan	2,200	110,000.00	428,000	1,070,000.00
Melaka	328,811	12,363,888.85	-	-
Johor	259,533,496	231,349,826.20	116,564,716	18,802,414.80
Pahang	19,853	84,217.00	3,716	29,728.00
Terengganu	298,142	2,105,906.90	-	-
Kelantan	350,232	570,030.95	-	-
Sarawak	493,110	1,957,569.50	-	-
Sabah	-	-	-	-
W.P. Labuan	2,526	14,215.00	-	-
Jumlah/Total	325,328,503	350,326,138.58	117,006,287	19,924,887.50



PENDARATAN DAN NILAI IKAN AIRTAWAR DARI PERAIRAN UMUM MENGIKUT PERAIRAN DAN NEGERI, 2018

LANDINGS AND VALUE OF FRESHWATER FISH FROM PUBLIC WATERBODIES BY WATERBODIES AND STATE, 2018

NEGERI STATE	Unit	Sungai Rivers	Bekas Lombong Ex-Mining Pools	Empangan Dams	Tasik Lakes	Lain-Lain Others	Jumlah Total
Perlis	MT / Tonnes RM '000	- -	- -	120.31 998.12	- -	- -	120.31 998.12
Kedah	MT / Tonnes RM '000	295.40 2,699.48	0.03 0.17	93.08 1,000.30	- -	15.51 122.92	404.01 3,822.87
Pulau Pinang	MT / Tonnes RM '000	36.66 710.57	- -	- -	- -	- -	36.66 710.57
Perak	MT / Tonnes RM '000	915.66 16,803.29	337.75 2,787.72	- -	238.96 2,523.90	27.53 429.51	1,519.90 22,544.43
Selangor	MT / Tonnes RM '000	35.82 601.13	20.54 261.91	1.27 13.91	0.36 4.18	0.98 12.62	58.96 893.75
Negeri Sembilan	MT / Tonnes RM '000	9.16 298.53	- -	- -	- -	- -	9.16 298.53
Melaka	MT / Tonnes RM '000	2.96 93.67	- -	- -	- -	- -	2.96 93.67
Johor	MT / Tonnes RM '000	120.43 2,395.77	- -	148.26 1,110.90	- -	- -	268.70 3,506.67
Pahang	MT / Tonnes RM '000	763.46 16,602.27	13.68 184.35	92.14 1,540.33	57.90 789.55	12.96 179.30	940.14 19,295.80
Terengganu	MT / Tonnes RM '000	203.49 2,636.86	1.04 8.68	30.46 549.68	- -	18.17 159.81	253.15 3,355.04
Kelantan	MT / Tonnes RM '000	171.76 2,874.32	- -	0.06 0.63	9.73 79.66	3.30 33.10	184.84 2,987.70
Sarawak	MT / Tonnes RM '000	2,173.03 63,875.96	- -	- -	- -	- -	2,173.03 63,875.96
Sabah	MT / Tonnes RM '000	117.26 1,976.67	- -	- -	- -	- -	117.26 1,976.67
W.P. Labuan	MT / Tonnes RM '000	- -	- -	- -	- -	- -	- -
Jumlah/Total	MT / Tonnes RM '000	4,845.09 111,568.52	373.03 3,242.84	485.57 5,213.87	306.94 3,397.29	78.45 937.26	6,089.11 124,359.77



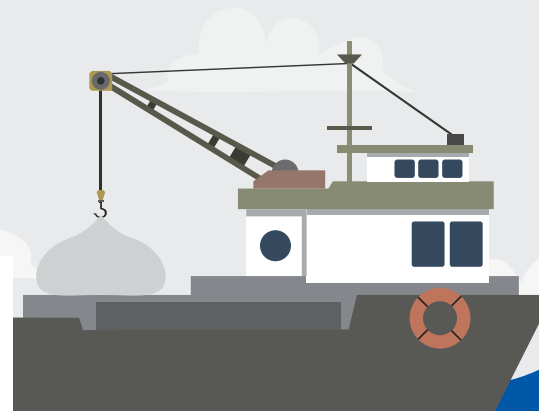


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