

**Akuakultur
SEMENANJUNG MALAYSIA**

**Aquaculture
Peninsular Malaysia**

SEMENANJUNG MALAYSIA/PENINSULAR MALAYSIA
BILANGAN DAN LUAS KOLAM BEKAS LOMBONG DAN SANGKAR DAN BILANGAN PENTERNAK MENGIKUT SISTEM PENTERNAK DAN NEGERI – 1983
 (Number and Acreage of Ponds, Mining Pools and Cages and Number of Culturists by Culture System and State – 1983)

Sistem Ternakan Culture System	Airtawar/Freshwater						Airpayau/Masin Marine/Backsihwater						Jumlah/Total					
	Kolam & Bekas Lombong Ponds & Mining Pools						Kolam Ponds						Kolam & Bekas Lombong Ponds & Mining Pools					
	Bilangan Number	Luas dlm. Ha Area in Ha	Bilangan Penternak No. of Culturists	Bilangan Number	Luas dlm. Meter Per. Area in Sq. M	Bilangan Penternak No. of Culturists	Bilangan Number	Bilangan Number	Luas dlm. Ha Area in Ha	Bilangan Penternak No. of Culturists	Luas dlm. Meter Per. Area in Sq. M	Bilangan Penternak No. of Culturists	Bilangan Number	Luas dlm. Ha Area in Ha	Bilangan Penternak No. of Culturists	Bilangan Number	Luas dlm. Meter Per. Area in Sq. M	Bilangan Penternak No. of Culturists
Negeri State																		
Perlis	147	28.33	122	—	—	6	1.57	3	—	—	—	—	153	29.90	125	—	—	—
Kedah	794	221.02	449	90	893.50	21	46	11.26	17	268	2,494.93	39	840	232.28	466	358	3,388.43	60
P. Pinang	151	25.21	85	96	223.20	12	12	17.24	5	976	5,910.17	125	163	42.45	90	1,072	6,133.37	137
Perak	4,557	2,371.00	3,076	1,248	11,609.52	309	10	1.09	2	648	6,128.02	94	4,567	2,372.09	3,078	1,896	17,737.54	403
Selangor	1,314	506.04	1,031	28	252.00	6	22	6.26	6	40	366.20	5	1,336	512.30	1,037	68	618.20	11
W. Persekutuan (Fed. Territory)	19	10.23	7	—	—	—	—	—	—	—	—	—	19	10.23	7	—	—	—
N. Sembilan	3,591	603.71	2,686	48	432.00	11	—	—	—	—	—	—	3,591	603.71	2,686	48	432.00	11
Melaka	1,178	222.36	930	116	1,044.00	23	6	1.26	4	—	—	—	1,184	223.62	934	116	1,044.00	23
Johor	1,905	305.36	948	192	1,778.20	48	166	350.69	26	772	7,628.04	137	2,071	656.05	974	964	9,406.24	185
Pahang	2,103	398.13	1,616	32	296.68	8	20	5.32	10	12	111.68	3	2,123	403.45	1,626	44	408.36	11
Terengganu	783	127.38	649	32	398.96	8	12	2.93	12	292	1,686.00	19	795	130.31	661	324	2,084.96	27
Kelantan	1,067	165.42	861	236	2,185.51	56	4	0.68	4	56	520.97	14	1,071	166.10	865	292	2,706.48	70
Jumlah/Total	17,609	4,984.19	12,460	2,118	19,113.57	502	304.00	398.30	89	3,064	24,846.01	436	17,913	5,382.49	12,549	5,182	43,959.58	938

SEMENANJUNG MALAYSIA/PENINSULAR MALAYSIA
ANGGARAN PENGELUARAN TERNAKAN IKAN MENGIKUT NEGERI DAN SISTEM PENTERNAKAN 1983
 ESTIMATED FISH PRODUCTION BY STATE AND CULTURE SYSTEM 1983

SISTEM PENTERNAKAN CULTURE SYSTEM Negeri/State	AIR TAWAR/FRESHWATER		AIR PAYAU/MASIN/MARINE/BRACKISH WATER		JUMLAH (TAN M)/TOTAL (TONNES)	
	Kolam Ponds	Sangkar Cages	Kolam Ponds	Sangkar Cages	Kolam Ponds	Sangkar Cages
Perlis	9.45	—	—	—	9.45	—
Kedah	268.15	0.13	7.33	30.96	275.48	31.09
P. Pinang	101.12	—	—	—	101.12	—
Perak	8,367.80	—	—	162.58	8,367.80	162.58
Selangor	840.89	4.54	8.03	8.46	848.92	13.00
W. Persekutuan (Fed. Territory)	—	—	—	—	—	—
N. Sembilan	708.21	—	—	—	708.21	—
Melaka	487.67	—	0.23	—	487.90	—
Johor	298.61	—	398.19	343.87	696.80	343.87
Pahang	472.71	—	—	—	472.71	—
Terengganu	210.37	—	0.13	—	210.50	—
Kelantan	175.05	5.44	—	—	175.05	5.44
Jumlah/Total	11,940.03	10.11	413.91	545.87	12,353.94	555.98

SEMENANJUNG MALAYSIA/*PENINSULAR MALAYSIA*
ANGGARAN NILAI IKAN TERNAKAN YANG DIHASILKAN MENGIKUT NEGERI DAN SISTEM PENTERNAKAN, 1983
ESTIMATED VALUE OF FISH PRODUCTION BY STATE AND CULTURE SYSTEM, 1983
 (Nilai dalam '000 Ringgit Malaysia/*Value in '000 Malaysian \$*)

Negeri/ <i>State</i>	AIR TAWAR/ <i>FRESHWATER</i>		AIR PAYAU/MASIN/ <i>BRACKISHWATER/MARINE</i>		JUMLAH/ <i>TOTAL</i>	
	Kolam dan Bekas Lombong <i>Ponds and Mining Pools</i>	Sangkar <i>Cages</i>	Kolam <i>Ponds</i>	Sangkar <i>Cages</i>	Kolam dan Bekas Lombong <i>Ponds and Mining Pools</i>	Sangkar <i>Cages</i>
Perlis	19.70	—	—	—	19.70	—
Kedah	532.09	0.26	87.96	278.64	620.05	278.90
Pulau Pinang	131.09	—	—	—	131.09	—
Perak	20,818.08	—	—	—	20,818.08	—
Selangor	2,150.38	15.92	129.43	127.14	2,279.81	143.06
Wilayah Persekutuan	—	—	—	—	—	—
Negeri Sembilan	1,898.92	—	—	—	1,898.92	—
Melaka	1,351.93	—	3.68	—	1,355.61	—
Johor	612.85	—	5,922.70	5,888.11	6,535.55	5,888.11
Pahang	1,548.07	—	—	—	1,548.07	—
Terengganu	681.40	—	1.17	—	682.57	—
Kelantan	479.11	15.50	—	—	479.11	15.50
JUMLAH/<i>TOTAL</i>	30,223.62	31.68	6,144.94	6,293.89	36,368.56	6,325.57

SEMANANGJUNG MALAYSIA/*PENINSULAR MALAYSIA*
ANGGARAN PENGELUARAN HASIL IKAN DARI KOLAM AIRTAWAR MENGIKUT NEGERI DAN JENIS IKAN, 1983
ESTIMATED FISH PRODUCTION FROM FRESHWATER PONDS AND MINING POOLS BY STATE AND SPECIES, 1983

JENIS IKAN/ <i>SPECIES</i>	LAMPAM JAWA	LEE KOH	KAP RUMPUT	KAP KEPALA BESAR	UDANG GALAH	TILAPIA	JELAWAT	PATIN	SEPAT SIAM	PELBAGAI	JUMLAH (TAN M)
NEGERI/ <i>STATE</i>	<i>JAVANESE CARP</i>	<i>COMMON CARP</i>	<i>GRASS CARP</i>	<i>BIG HEAD CARP</i>	<i>GIANT FRESH WATER</i>	<i>TILAPIA</i>	<i>SULTAN FISH</i>	<i>RIVER CAT FISH</i>	<i>SNAKE SKIN GOURAMY</i>	<i>MISCELLANEOUS</i>	<i>TOTAL (TONNES)</i>
Perlis	4.42	1.05	1.87	1.40	0.01	0.70	—	—	—	—	9.45
Kedah	61.94	36.54	72.83	67.99	0.48	28.28	0.09	—	—	—	268.15
Pulau Pinang	3.24	2.34	16.72	2.30	0.02	—	—	—	—	76.50	101.12
Perak	625.66	3,207.73	1,302.63	3,224.56	—	—	0.02	0.09	0.01	7.10	8,367.80
Selangor	80.57	—	436.76	290.72	—	29.41	2.28	1.15	—	—	840.89
W. Persekutuan	—	—	—	—	—	—	—	—	—	—	—
N. Sembilan	175.43	163.79	202.88	165.22	0.38	—	0.05	0.01	0.04	0.41	708.21
Melaka	62.97	33.75	384.24	—	0.39	—	3.71	1.70	—	0.91	487.67
Johor	38.34	20.97	99.50	24.89	—	114.51	0.14	0.17	—	0.09	298.61
Pahang	124.47	115.91	156.78	75.55	—	—	—	—	—	—	472.71
Terengganu	34.80	8.07	61.07	106.41	0.02	—	—	—	—	—	210.37
Kelantan	70.89	35.45	11.75	56.96	—	—	—	—	—	—	175.05
Jumlah	1,282.73	3,625.60	2,747.03	4,016.00	1.30	172.90	6.29	3.12	0.05	85.01	11,940.03

SEMENANJUNG MALAYSIA/PENINSULAR MALAYSIA
 ANGGARAN NILAI HASIL IKAN AIRTAWAR DARI KOLAM
 MENGIKUT JENIS IKAN DAN NEGERI, 1983
 ESTIMATED VALUE OF FRESHWATER FISH PRODUCTION FROM FISH PONDS
 BY SPECIES AND STATE, 1983
 (Nilai Dalam '000 Ringgit Malaysia/Value in '000 Malaysian \$)

Negeri State	JENIS IKAN/SPECIES											Jumlah Total
	Lampam Jawa Javanese Carp	Lee Koh Common Carp	Sepat Siam Snakeskin Gouramy	Tilapia Tilapia	Udang Galah Freshwater Giant Prawn	Kap Rumput Crass Carp	Kap Kepala Besar Big Head Carp	Kap Perak Silver Carp	Jelawat River Carp	Patin River Catfish	Pelbagai Miscellaneous	
Perlis	10.17	2.10	—	1.40	0.05	3.74	2.24	—	—	—	—	19.70
Kedah	142.46	73.08	—	56.56	4.56	145.66	108.78	—	0.99	—	—	532.09
Pulau Pinang	3.89	4.68	—	—	0.25	20.06	2.76	—	—	—	99.45	131.09
Perak	1,282.60	9,847.73	0.02	—	—	5,675.23	4,012.10	—	0.22	0.18	—	20,818.08
Selangor	201.43	—	—	73.53	—	1,266.60	581.44	—	25.08	2.30	—	2,150.38
Wilayah Persekutuan	—	—	—	—	—	—	—	—	—	—	—	—
Negeri Sembilan	496.47	412.75	0.05	—	3.83	551.83	432.88	0.55	—	0.03	0.53	1,898.92
Melaka	204.65	85.05	—	—	4.25	1,010.55	—	—	40.81	5.44	1.18	1,351.93
Johor	76.68	41.94	—	231.31	—	199.00	61.72	—	1.54	0.54	0.12	612.85
Pahang	403.28	316.43	—	—	—	572.25	256.11	—	—	—	—	1,548.07
Terengganu	88.74	23.08	—	—	0.14	361.79	207.64	—	—	—	0.01	681.40
Kelantan	180.77	98.53	—	—	—	166.32	33.49	—	—	—	—	479.11
JUMLAH/TOTAL	3,091.14	10,905.37	0.07	362.80	13.08	9,973.03	5,699.16	0.55	68.64	8.49	101.29	30,223.62

SEMENANJUNG MALAYSIA/PENINSULAR MALAYSIA
ANGGARAN BILANGAN DAN LUAS KOLAM BINAAN AIR TAWAR DAN BEKAS LOMBONG YANG DIUSAHAKAN
SERTA BILANGAN PENTERNAK YANG TERLIBAT – 1983
 ESTIMATED NUMBER AND ACREAGE OF FRESHWATER PONDS AND MINING POOLS AND NUMBER OF
 CULTURISTS BY STATE – 1983

Negeri State	KOLAM BINAAN EXCAVATED PONDS		BEKAS LOMBONG MINING POOLS		JUMLAH TOTAL		BILANGAN PENTERNAK IKAN NUMBER OF FISH CULTURISTS				Jumlah Total
	Bilangan Number	Hektar Hectare	Bilangan Number	Hektar Hectare	Bilangan Number	Hektar Hectare	Melayu Malay	Cina Chinese	India Indian	Lain-lain Others	
Perlis	144	26.63	3	1.70	147	28.33	107	4	—	11	122
Kedah	782	203.05	12	17.97	794	221.02	411	18	—	20	449
Pulau Pinang	151	25.21	—	—	151	25.21	38	28	5	14	85
Perak	3,878	609.99	679	1,761.01	4,557	2,371.00	2,366	605	50	55	3,076
Selangor	1,092	262.14	222	243.90	1,314	506.04	657	213	58	103	1,031
Wilayah Persekutuan	14	4.05	5	6.18	19	10.23	1	6	—	—	7
Negeri Sembilan	3,374	486.55	217	117.16	3,591	603.71	2,290	362	16	18	2,686
Melaka	1,174	218.30	4	4.06	1,178	222.36	771	146	8	5	930
Johor	1,880	275.23	25	30.13	1,905	305.36	553	375	1	19	948
Pahang	2,092	389.71	11	8.42	2,103	398.13	1,319	247	12	38	1,616
Terengganu	773	121.00	10	6.38	783	127.38	626	18	—	5	649
Kelantan	1,059	161.52	8	3.90	1,067	165.42	846	14	1	—	861
JUMLAH/TOTAL	16,413	2,783.38	1,196	2,200.81	17,609	4,984.19	9,985	2,036	151	288	12,460

SEMENANJUNG MALAYSIA/*PENINSULAR MALAYSIA*
ANGGARAN PENGELUARAN IKAN DARI SANGKAR AIRTAWAR MENGIKUT NEGERI DAN JENIS IKAN, 1983
ESTIMATED FISH PRODUCTION FROM FRESHWATER CAGES BY STATE AND SPECIES, 1983

Negeri/ <i>State</i>	JENIS IKAN/ <i>SPECIES</i>										JUMLAH/ <i>TOTAL</i> TAN M./TONNES
	Lampam Jawa <i>Javanese Carp</i>	Lee Koh <i>Common Carp</i>	Sepat Siam <i>Snakeskin Gouramy</i>	Tilapia <i>African Bream</i>	Udang Galah <i>Freshwater Giant Prawn</i>	Temakong <i>Kissing Gouramy</i>	Siakap <i>Snapper</i>	Patin <i>River Catfish</i>	Kap Rumput <i>Grass Carp</i>	Pelbagai <i>Miscellaneous</i>	
Perlis	—	—	—	—	—	—	—	—	—	—	—
Kedah	—	—	—	0.13	—	—	—	—	—	—	0.13
Pulau Pinang	—	—	—	—	—	—	—	—	—	—	—
Perak	—	—	—	—	—	—	—	—	—	—	—
Selangor	3.51	—	—	0.09	0.01	—	—	—	0.32	0.61	4.54
Wilayah Persekutuan	—	—	—	—	—	—	—	—	—	—	—
Negeri Sembilan	—	—	—	—	—	—	—	—	—	—	—
Melaka	—	—	—	—	—	—	—	—	—	—	—
Johor	—	—	—	—	—	—	—	—	—	—	—
Terengganu	—	—	—	—	—	—	—	—	—	—	—
Kelantan	—	—	—	—	—	—	—	—	5.44	—	5.44
Jumlah/ <i>Total</i>	3.51	—	—	0.22	0.01	—	—	—	5.76	0.61	10.11

SEMENANJUNG MALAYSIA/*PENINSULAR MALAYSIA*
ANGGARAN NILAI BORONG HASIL DARI SANGKAR AIRTAWAR MENGIKUT NEGERI DAN JENIS IKAN, 1983
ESTIMATED WHOLESALE VALUE OF FISH PRODUCTION FROM FRESHWATER CAGES BY STATE AND SPECIES, 1983
 (Nilai Dalam '000 Ringgit Malaysia/*Value in '000 Malaysian \$*)

Negeri <i>State</i>	JENIS IKAN/ <i>SPECIES</i>					JUMLAH <i>TOTAL</i>
	Lampam Jawa <i>Javanese Carp</i>	Kap Rumput <i>Grass Carp</i>	Tilapia <i>Tilapia</i>	Udang Galah <i>Giant Freshwater Prawn</i>	Pelbagai <i>Miscellaneous</i>	
Perlis	—	—	—	—	—	—
Kedah	—	—	0.26	—	—	0.26
Pulau Pinang	—	—	—	—	—	—
Perak	—	—	—	—	—	—
Selangor	8.78	0.93	0.23	0.10	5.88	15.92
Wilayah Persekutuan	—	—	—	—	—	—
Negeri Sembilan	—	—	—	—	—	—
Melaka	—	—	—	—	—	—
Johor	—	—	—	—	—	—
Pahang	—	—	—	—	—	—
Terengganu	—	—	—	—	—	—
Kelantan	—	15.50	—	—	—	15.50
JUMLAH/TOTAL	8.78	16.43	0.49	0.10	5.88	31.68

SEMENANJUNG MALAYSIA/*PENINSULAR MALAYSIA*
ANGGARAN BILANGAN DAN LUAS SANGKAR AIRTAWAR YANG DIUSAHAKAN SERTA
BILANGAN PENTERNAK MENGIKUT NEGERI, 1983
 ESTIMATED NUMBER AND AREA OF FRESHWATER CAGES AND NUMBER OF CULTURISTS BY STATE, 1983

Negeri <i>State</i>	Bilangan Rakit <i>Number of Rafts</i>	Bilangan Sangkar <i>Number of Cages</i>	JUMLAH <i>TOTAL</i>	BILANGAN PENTERNAK IKAN <i>NUMBER OF FISH CULTURISTS</i>				Jumlah <i>Total</i>
			Luas Sangkar (M ²) <i>Cage are (in M²)</i>	Melayu <i>Malay</i>	Cina <i>Chinese</i>	India <i>Indian</i>	Lain-lain <i>Others</i>	
Perlis	—	—	—	—	—	—	—	—
Kedah	25	90	893.50	18	2	—	1	21
Pulau Pinang	24	96	223.20	5	7	—	—	12
Perak	312	1,248	11,609.52	217	—	—	92	309
Selangor	7	28	252.00	4	—	—	2	6
Wilayah Persekutuan	—	—	—	—	—	—	—	—
Negeri Sembilan	48	192	1,778.20	11	—	—	—	11
Melaka	12	48	432.00	7	16	—	—	23
Johor	29	116	1,044.00	47	1	—	—	48
Pahang	8	32	296.68	5	—	—	3	8
Terengganu	8	32	398.96	8	—	—	—	8
Kelantan	59	236	2,185.51	54	2	—	—	56
JUMLAH/ <i>TOTAL</i>	532	2,118	19,113.57	376	28	—	98	502

SEMANANJUNG MALAYSIA/*PENINSULAR MALAYSIA*
ANGGARAN PENGELUARAN HASIL IKAN DARI KOLAM AIR PAYAU/MASIN
MENGIKUT JENIS IKAN DAN NEGERI, 1983
 ESTIMATED PRODUCTION FROM MARINE/BRACKISHWATER PONDS
 BY SPECIES AND STATE, 1983

Negeri <i>State</i>	JENIS IKAN/ <i>SPECIES</i>						Jumlah/Tan M. <i>Total/Tonnes</i>
	Kerapu <i>Grouper</i>	Siakap <i>Barramundi</i>	Udang Putih <i>Barona Prawn</i>	Ketam Batu <i>Mud Crab</i>	Udang Harimau <i>Tiger Prawn</i>	Pelbagai <i>Miscellaneous</i>	
Perlis	—	—	—	—	—	—	—
Kedah	7.33	—	—	—	—	—	7.33
Pulau Pinang	—	—	—	—	—	—	—
Perak	—	—	—	—	—	—	—
Selangor	2.68	3.89	0.37	0.32	—	0.77	8.03
Wilayah Persekutuan	—	—	—	—	—	—	—
Negeri Sembilan	—	—	—	—	—	—	—
Melaka	—	0.23	—	—	—	—	0.23
Johor	—	—	73.28	50.64	92.12	182.15	398.19
Pahang	—	—	—	—	—	—	—
Terengganu	—	0.13	—	—	—	—	0.13
Kelantan	—	—	—	—	—	—	—
JUMLAH/TOTAL	10.01	4.25	73.65	50.96	92.12	182.92	413.91

SEMENANJUNG MALAYSIA/*PENINSULAR MALAYSIA*
ANGGARAN NILAI BORONG PENGELUARAN KOLAM AIR PAYAU/MASIN MENGIKUT NEGERI DAN JENIS IKAN, 1983
ESTIMATED WHOLESALE VALUE OF MARINE BRACKISHWATER POND PRODUCTION BY STATE AND SPECIES, 1983
 (Nilai Dalam '000 Ringgit Malaysia/*Value in '000 Malaysian \$*)

Negeri <i>State</i>	JENIS IKAN/ <i>SPECIES</i>						Jumlah <i>Total</i>
	Kerapu <i>Grouper</i>	Siakap <i>Barramundi</i>	Udang Putih <i>Banana Prawn</i>	Ketam Batu <i>Mud Crab</i>	Udang Harimau <i>Tiger Prawn</i>	Pelbagai <i>Miscellaneous</i>	
Pertis	—	—	—	—	—	—	—
Kedah	87.96	—	—	—	—	—	87.96
Pulau Pinang	—	—	—	—	—	—	—
Perak	—	—	—	—	—	—	—
Selangor	46.90	64.96	10.36	1.82	—	5.39	129.43
Wilayah Persekutuan	—	—	—	—	—	—	—
Negeri Sembilan	—	—	—	—	—	—	—
Melaka	—	3.68	—	—	—	—	3.68
Johor	—	—	1,319.04	288.65	3,039.96	1,275.05	5,922.70
Pahang	—	—	—	—	—	—	—
Terengganu	—	1.17	—	—	—	—	1.17
Kelantan	—	—	—	—	—	—	—
JUMLAH/ <i>TOTAL</i>	134.86	69.81	1,329.40	290.47	3,039.96	1,280.44	6,144.94

SEMENANJUNG MALAYSIA/*PENINSULAR MALAYSIA*
ANGGARAN BILANGAN DAN LUAS KOLAM DAN LAIN-LAIN BADAN PERAIRAN TERSEKAT AIR PAYAU/MASIN SERTA
BILANGAN PENTERNAK MENGIKUT NEGERI, 1983
 ESTIMATED NUMBER AND ACREAGE OF MARINE BRACKISHWATER PONDS AND OTHER CONFINED BODIES
 AND NUMBER OF CULTURISTS BY STATE, 1983

Negeri State	KOLAM BINAAN EXCAVATED PONDS		LAIN-LAIN BADAN TERBESAR OTHER COUFINED WATER BODIES		JUMLAH/TOTAL		BILANGAN PENTERNAK NUMBER OF CULTURISTS				Jumlah Total
	Bilangan Number	Hektar Hectare	Bilangan Number	Hektar Hectare	Bilangan Number	Hektar Hectare	Melayu Malay	Cina Chinese	India Indian	Lain-lain Others	
Perlis	6	1.57	—	—	6	1.57	3	—	—	—	3
Kedah	46	11.26	—	—	46	11.26	9	6	1	1	17
Pulau Pinang	12	17.24	—	—	12	17.24	3	1	—	1	5
Perak	10	1.09	—	—	10	1.09	—	1	—	1	2
Selangor	22	6.26	—	—	22	6.26	4	2	—	—	6
Wilayah Persekutuan	—	—	—	—	—	—	—	—	—	—	—
Negeri Sembilan	—	—	—	—	—	—	—	—	—	—	—
Melaka	6	1.26	—	—	6	1.26	1	3	—	—	4
Johor	166	350.69	—	—	166	350.69	3	20	—	3	26
Pahang	20	5.32	—	—	20	5.32	10	—	—	—	10
Terengganu	12	2.93	—	—	12	2.93	12	—	—	—	12
Kelantan	4	0.68	—	—	4	0.68	3	1	—	—	4
JUMLAH/TOTAL	304	398.30	—	—	304	398.30	48	34	1	6	89

SEMENANJUNG MALAYSIA/*PENINSULAR MALAYSIA*
ANGGARAN PENGELUARAN HASIL IKAN DARI SANGKAR AIR PAYAU/MASIN
MENGIKUT JENIS IKAN DAN NEGERI, 1983
 ESTIMATED PRODUCTION FISH FROM MARINE/BRACKISHWATER CAGES
 BY STATE AND SPECIES, 1983

Negeri <i>State</i>	JENIS IKAN/ <i>SPECIES</i>					Jumlah/Tan M. <i>Total/Tonnes</i>
	Kerapu <i>Grouper</i>	Siakap <i>Barramundi</i>	Jenahak <i>Mangrove Snapper</i>	Ikan Merah <i>Red Snapper</i>	Pelbagai <i>Miscellaneous</i>	
Pertis	—	—	—	—	—	—
Kedah	30.96	—	—	—	—	30.96
Pulau Pinang	—	—	—	—	—	—
Perak	67.78	57.48	37.32	—	—	162.58
Selangor	2.94	3.67	0.68	1.17	—	8.46
Wilayah Persekutuan	—	—	—	—	—	—
Negeri Sembilan	—	—	—	—	—	—
Melaka	—	—	—	—	—	—
Johor	181.85	162.02	—	—	—	343.87
Pahang	—	—	—	—	—	—
Terengganu	—	—	—	—	—	—
Kelantan	—	—	—	—	—	—
JUMLAH/TOTAL	283.53	223.17	38.00	1.17	—	545.87

SEMENANJUNG MALAYSIA/PENINSULAR MALAYSIA
ANGGARAN NILAI BORONG YANG DIHASILKAN DARI SANGKAR AIR PAYAU/MASIN .
MENGIKUT JENIS IKAN DAN NEGERI, 1983
 ESTIMATED WHOLESALE VALUE OF FISH PRODUCTION FROM MARINE/BRACKISHWATER CAGES
 BY SPECIES AND STATE, 1983
 (Nilai Dalam '000 Ringgit Malaysia/Value in '000 Malaysian \$)

Negeri State	JENIS IKAN/SPECIES							Jumlah Total
	Siakap Barramundi	Kerapu Grouper	Jenahak Mangrove Snapper	Ketam Batu Mud Crab	Udang Putih Besar Banana Prawn	Ikan Merah Red Snapper	Pelbagai Miscellaneous	
Perlis	—	—	—	—	—	—	—	—
Kedah	—	278.64	—	—	—	—	—	278.64
Pulau Pinang	—	—	—	—	—	—	—	—
Perak	—	—	—	—	—	—	—	—
Selangor	64.37	49.09	—	—	—	13.68	—	127.14
Wilayah Persekutuan	—	—	—	—	—	—	—	—
Negeri Sembilan	—	—	—	—	—	—	—	—
Melaka	—	—	—	—	—	—	—	—
Johor	2,705.73	3,182.38	—	—	—	—	—	5,888.11
Pahang	—	—	—	—	—	—	—	—
Terengganu	—	—	—	—	—	—	—	—
Kelantan	—	—	—	—	—	—	—	—
JUMLAH/TOTAL	2,770.10	3,510.11	—	—	—	13.68	—	6,293.89

SEMENANJUNG MALAYSIA/*PENINSULAR MALAYSIA*
ANGGARAN BILANGAN DAN LUAS SANGKAR IKAN AIR PAYAU/MASIN YANG DIUSAHAKAN SERTA BILANGAN PENTERNAK
MENGIKUT NEGERI, 1983
 ESTIMATED NUMBER AND ACREAGE OF MARINE/BRACKISHWATER CAGES AND NUMBER OF CULTURISTS BY STATE, 1983

Negeri <i>State</i>	Bilangan Rakit <i>Number of Rafts</i>	Bilangan Sangkar <i>Number of Cages</i>	Luas Sangkar dlm. M. Per. <i>Area in Square M.</i>	BILANGAN PENTERNAK/ <i>NUMBER OF CULTURISTS</i>				Jumlah <i>Total</i>
				Melayu <i>Malay</i>	Cina <i>Chinese</i>	India <i>Indian</i>	Lain-lain <i>Others</i>	
Perlis	—	—	—	—	—	—	—	—
Kedah	67	268	2,494.93	36	—	—	3	39
Pulau Pinang	244	976	5,910.17	25	96	—	4	125
Perak	162	648	6,128.02	4	90	—	—	94
Selangor	10	40	366.20	—	5	—	—	5
Wilayah Persekutuan	—	—	—	—	—	—	—	—
Negeri Sembilan	—	—	—	—	—	—	—	—
Melaka	—	—	—	—	—	—	—	—
Johor	193	772	7,628.04	59	78	—	—	137
Pahang	3	12	111.68	3	—	—	—	3
Terengganu	73	292	1,686.00	19	—	—	—	19
Kelantan	14	56	520.97	14	—	—	—	14
JUMLAH/ <i>TOTAL</i>	766	3,064	24,846.01	160	269	—	7	436

SEMENANJUNG MALAYSIA/*PENINSULAR MALAYSIA*
HARGA BORONG PURATA IKAN AIRTAWAR DI PASAR-PASAR UTAMA MENGIKUT NEGERI DAN JENIS IKAN, 1983
 ACREAGE WHOLESALE PRICES OF FRESHWATER FISHES AT MAJOR MARKETS BY STATE AND SPECIES, 1983
 (M\$/Kg)

JENIS IKAN/ <i>SPECIES</i>		NEGERI/ <i>STATE</i>										
Nama Tempatan Local Name	Nama Saintifik Scientific Name	Perlis	Kedah	Pulau Pinang	Perak	Selangor	Negeri Sembilan	Melaka	Johor	Pahang	Terengganu	Kelantan
Baung	<i>Mystus nemurus</i>	—	—	—	3.29	1.80	—	—	3.58	4.68	—	—
Belida	<i>Notopetrus chiltala</i>	—	—	—	2.78	—	—	—	2.20	3.88	—	—
Bujuk	<i>Ophicephalus lucius</i>	—	—	—	—	—	—	—	—	—	—	—
Haruan	<i>Ophicephalus striatus</i>	—	—	1.50	2.01	3.00	4.75	6.50	—	3.30	—	—
Jelawat	<i>Leptobarbus hoeveni</i>	—	—	—	—	—	—	—	—	—	—	—
Jelawat Kolam		—	—	—	—	—	—	—	—	—	—	—
Jelawat Sungai		—	—	—	—	—	—	—	—	—	—	—
Kalui	<i>Osphronemus goramy</i>	—	—	—	2.08	—	—	—	—	3.00	—	—
Kap Rumpit	<i>Ctenophryngodon idelles</i>	—	2.00	1.20	3.08	2.90	2.72	2.63	2.48	3.65	3.40	2.85
Kap Lumpur	<i>Cirrhina molitorella</i>	—	—	—	—	—	—	—	—	—	—	—
Kelah	<i>Tor tambroides</i>	—	—	—	—	—	—	—	—	—	—	—
Keli	<i>Clarias batrachus</i>	—	1.80	—	2.05	2.50	3.01	—	—	2.83	—	—
Ketutu	<i>Oxyleotris marmoratus</i>	—	—	—	18.72	15.00	—	—	—	8.50	—	—
Kap Kepala Besar	<i>Aristichthys nobilis</i>	—	1.60	1.20	1.76	2.00	2.62	3.43	2.00	3.39	3.40	2.92
Kerai Kunyit	<i>Puntius daruphani</i>	—	—	—	1.20	3.64	0.95	—	—	5.09	—	—
Kerai Puteh		—	—	—	—	—	—	—	—	—	—	—
Kerai Jelawat	<i>Leptobarbus hoeveni</i>	—	—	—	—	—	—	—	—	—	—	—
Kerai	Large Cyprinids	—	—	—	—	—	—	—	—	—	—	—
Kenerak		—	—	—	—	—	—	—	—	—	—	—
Loma	<i>Labiobarbus ocellatus</i>	—	—	—	—	—	—	—	—	—	—	—
Luis	<i>Kryptopterus cryptopterus</i>	—	—	—	—	—	—	—	—	—	—	—
Lampam Jawa	<i>Puntius gonionotus</i>	—	2.30	1.20	2.05	2.50	2.83	3.25	—	3.24	—	2.55
Lampam Sungai	<i>Puntius schwanefeldii</i>	—	—	1.10	1.73	2.00	—	—	—	4.08	—	—
Lawang	<i>Pangasius micronemus</i>	—	—	—	—	—	—	—	—	—	—	—
Lee Koh	<i>Cyprinus carpio</i>	—	2.00	—	3.07	2.40	2.52	—	—	2.73	—	2.86
Limbat	<i>Clarias nieuhofi</i> (C.V.)	—	—	—	—	—	—	—	—	—	—	—
Patong	<i>Pristolepis fasciatus</i>	—	—	—	—	—	—	—	—	—	—	—
Juara		—	—	—	—	—	—	—	—	7.50	—	7.50
Terubuk		—	1.00	—	1.50	—	1.41	—	—	—	—	—
Patin Buah	<i>Pangasius spp</i>	—	—	—	2.00	2.00	—	—	—	11.29	—	—

Sepat Padi	Trichogaster trichopterus	—	—	—	1.31	—	—	—	—	—	—	—
Patok		—	—	—	—	—	—	—	—	—	—	—
Patin Pahang		—	—	—	—	—	—	—	—	—	—	—
Patin Muncong		—	—	—	—	—	—	2.50	26.20	—	—	—
Patin Perak		—	—	—	—	9.00	—	—	3.48	—	—	—
Patin Kolam		—	—	—	—	—	—	—	—	—	—	—
Patin Sungai		—	—	—	—	—	—	—	21.32	—	—	—
Patin	Pangasius pangasius	—	—	—	—	—	3.20	—	—	—	—	—
Puyu	Anabas testudineus	—	—	—	0.83	—	—	—	—	—	—	—
Putih	Puntius binotatus	—	—	1.45	—	1.90	—	—	—	—	—	—
Pucuk Pisang	Labiobarbus fasciatus	—	—	—	1.65	—	—	—	—	—	—	—
Sebarau	Hampala macrotepidota V. Hasselt	—	—	—	2.74	—	—	—	5.00	—	—	—
Sepat Siam	Trichogaster pectoralis	—	1.30	—	1.50	2.20	1.20	5.00	—	—	—	—
Temperas	Cyclocheilichthys apogon (C.V.)	—	—	—	—	—	—	—	—	—	—	—
Tapah	Wallago Attu (Bl. Scha)	—	—	—	3.57	—	—	2.86	4.75	—	—	—
Temakang	Helostoma temmincki	—	—	—	2.18	—	—	—	—	—	—	—
Temoleh	Probarbus julieni Sauvage	—	1.80	—	—	2.40	4.75	—	3.50	—	—	—
Tengalan	Puntius bulu	—	—	—	2.45	—	—	—	7.63	—	—	—
Terbol	Osteo chilus hasselti	—	—	—	—	—	—	—	—	—	—	—
Tilapia	Tilapia mossambica	—	2.00	—	1.15	2.50	2.02	—	2.83	—	—	—
Toman	Ophicephalus micropeltes	—	—	—	—	—	4.00	—	2.17	—	—	—
Tongsan	Acrossocheilus hexagonolepi	—	—	—	—	—	—	—	—	—	—	—
Ubi	Chana lucius (C.V.)	—	1.25	—	3.00	5.00	2.80	—	5.30	—	—	—
Udang Galah	Macrobrachium rosenbergii	—	9.50	12.50	13.48	12.90	10.09	—	8.86	12.44	—	7.00
Pelbagai	Miscellaneous	—	1.50	—	1.10	—	—	—	—	—	—	—

SEMENANJUNG MALAYSIA/PENINSULAR MALAYSIA
HARGA BORONG PURATA IKAN AIRTAWAR DI PASAR-PASAR UTAMA MENGIKUT BULAN DAN JENIS IKAN, 1983
 AVERAGE WHOLESALE PRICES OF FRESHWATER FISHES AT MAJOR MARKETS BY MONTH AND SPECIES, 1983
 (M\$/Kg)

JENIS IKAN/SPECIES		BULAN/MONTH												
Nama Tempatan <i>Local Name</i>	Nama Saintifik <i>Scientific Name</i>	Januari <i>January</i>	Februari <i>February</i>	Mach <i>March</i>	April <i>April</i>	Mei <i>May</i>	Jun <i>June</i>	Julai <i>July</i>	Ogos <i>August</i>	September <i>September</i>	Oktober <i>October</i>	November <i>November</i>	Disember <i>December</i>	Purata <i>Average</i>
Baung	<i>Mystus nemurus</i>	4.46	3.46	3.53	3.53	4.35	3.80	4.27	3.60	3.33	4.67	4.17	3.33	3.88
Belida	<i>Notopetrus chiltala</i>	3.32	2.70	2.12	2.12	2.43	2.40	2.60	4.33	3.50	3.20	3.30	3.20	2.94
Bujuk	<i>Ophicephalus lucius</i>	—	—	—	—	—	—	—	—	—	—	—	—	—
Haruan	<i>Ophicephalus striatus</i>	2.64	—	2.91	2.91	2.74	2.30	2.78	2.53	3.69	3.47	4.92	3.50	3.13
Jelawat	<i>Leptobarbus hoeveni</i>	—	—	—	—	—	—	—	—	—	—	—	—	—
Jelawat Kalam		—	—	—	—	—	—	—	—	—	—	—	—	—
Jelawat Sungai		—	—	—	—	—	—	—	—	—	—	—	—	—
Kalui	<i>Osphronemus goramy</i>	2.00	—	3.00	3.00	2.35	1.95	1.95	—	—	—	3.00	—	2.46
Kap Rumpit	<i>Ctenopharyngodon idelles</i>	2.98	—	2.83	2.80	2.52	2.43	3.04	3.23	2.33	2.67	2.23	2.91	2.72
Kap Lumpur	<i>Cirrhina molitorella</i>	—	—	—	—	—	—	—	—	—	—	—	—	—
Kelah	<i>Tor tambroides</i>	—	—	—	—	—	—	—	—	—	—	—	—	—
Keli	<i>Clarias batrachus</i>	2.14	2.60	2.50	2.50	2.43	2.39	2.73	2.83	2.85	2.78	—	—	2.58
Ketutu	<i>Oxyeleotris marmoratus</i>	20.88	7.66	12.00	12.00	10.00	12.00	—	18.00	9.38	6.00	13.50	17.00	12.58
Kap Kepala Besar	<i>Aristichthys nobilis</i>	2.59	2.47	1.83	1.83	2.25	2.58	2.34	1.95	2.08	1.76	2.71	2.34	2.23
Kerai Kunyit	<i>Puntius daruphani</i>	5.00	4.00	7.00	7.00	3.00	4.00	6.80	—	—	4.00	4.00	4.00	4.88
Kerai Puteh		—	—	—	—	—	—	—	—	—	—	—	—	—
Kerai Jelawat	<i>Leptobarbus hoeveni</i>	—	—	—	—	—	—	—	—	—	—	—	—	—
Kerai	Large Cyprinids	—	—	—	—	—	—	—	—	—	—	—	—	—
Kenerak	Large Cyprinids	—	—	—	—	—	—	—	—	—	—	—	—	—
Loma	<i>Labiobarbus ocellatus</i>	—	—	—	—	—	—	—	—	—	—	—	—	—
Lais	<i>Kryptopterus cryptopterus</i>	—	—	—	—	—	—	—	—	—	—	—	—	—
Lampam Jawa	<i>Puntius gonionotus</i>	2.75	2.78	2.50	2.50	2.55	2.37	2.57	2.40	2.44	2.36	3.07	2.64	2.58
Lampam Sungai	<i>Puntius schwarefeldii</i>	2.27	—	2.13	2.13	2.48	2.87	3.07	2.57	2.90	2.90	3.00	2.67	2.64
Lawang	<i>Pangsius micronemus</i>	—	—	—	—	—	—	—	—	—	—	—	—	—
Lee Koh	<i>Cyprinus carpio</i>	3.05	2.92	2.55	2.55	3.08	2.43	2.70	3.35	2.85	2.73	2.60	2.73	2.80
Limbati	<i>Clarias nieuhoffi</i> (C.V.)	—	—	—	—	—	—	—	—	—	—	—	—	—
Patong	<i>Pristolepis fasciatus</i>	—	—	—	—	—	—	—	—	—	—	—	—	—
Terubuk		1.40	1.20	1.08	1.08	1.60	1.20	1.40	1.20	1.20	1.20	1.90	1.50	1.33
Patin Buah	<i>Pangsius spp</i>	13.00	—	13.00	13.00	13.00	13.00	10.50	—	13.00	13.00	6.50	13.00	12.10

Juara		7.00	—	—	—	—	8.00	—	—	—	—	—	—	7.50
Sepat Padi	Trichogaster trichopterus	1.35	1.50	1.93	1.93	1.50	—	1.60	1.60	1.60	1.00	1.70	1.60	1.57
Patok		—	—	—	—	—	—	—	—	—	—	—	—	—
Patin Pahang		—	—	—	—	—	—	—	—	—	—	—	—	—
Patin Muncong		22.00	—	—	—	25.00	25.00	21.00	—	—	—	—	38.00	26.20
Patin Perak		275	3.10	—	—	1.90	3.50	4.00	—	4.00	—	4.00	—	3.32
Patin Kolam		17.00	—	22.00	22.00	23.00	18.50	18.70	—	23.00	23.00	23.00	23.00	21.32
Patin	Pangasius pangasius	10.00	—	—	—	3.20	—	—	—	—	—	—	—	6.60
Puyu	Anabas testudineus	0.50	—	1.90	1.90	—	—	0.85	1.00	—	0.70	—	0.70	1.08
Putih	Puntius binotatus	1.38	2.40	1.30	1.30	—	—	3.00	—	—	—	1.40	—	1.80
Pucuk Pisang	Labiobarbus fasciatus	1.20	—	1.20	1.20	—	1.60	—	—	—	—	1.20	—	1.28
Sebarau	Hampala macrolepidota V. Hasselt	3.80	5.00	2.20	2.20	—	3.00	2.50	—	2.00	—	2.60	—	2.91
Sepat Siam	Trichogaster pectoralis	1.44	1.82	1.43	1.43	1.50	1.50	1.40	1.70	2.00	1.93	2.65	1.65	1.70
Temperas	Cyclocheilichthys apagon (C.V.)	—	—	—	—	—	—	—	—	—	—	—	—	—
Tapah	Wallago Attu (Bl. Scha)	3.30	3.80	2.80	2.80	3.75	2.65	3.70	—	3.40	3.00	3.25	3.75	3.29
Temakang	Helostoma temmincki	1.15	1.50	1.80	1.80	2.20	2.20	2.30	2.50	2.40	2.50	2.30	4.00	2.22
Temoleh	Probarbus julieni Sauvage	3.50	2.85	4.00	4.00	—	6.00	—	—	—	—	—	—	4.07
Tengalan	Puntius bulu	7.25	3.50	5.75	5.65	5.75	8.00	6.25	5.75	5.75	3.50	3.50	3.20	5.32
Terbol	Osteo chilus hasselti	—	—	—	—	—	—	—	—	—	—	—	—	—
Tilapia	Tilapia mossambica	1.58	1.30	1.70	1.70	1.17	1.49	1.20	2.40	1.75	1.00	3.94	1.50	1.73
Toman	Ophicephalus micropeltes	3.00	—	—	—	—	—	—	—	—	—	1.89	1.75	2.21
Tongsan	Acrossocheilus hexagonolepi	—	—	—	—	—	—	—	—	—	—	—	—	—
Ulai	Chana lucius (C.V.)	6.00	3.56	—	—	6.00	—	—	—	—	—	—	8.00	5.89
Udang Galah	Macrobrachium rosenbergii	11.83	12.35	10.88	10.88	10.00	11.01	9.70	11.63	10.90	10.90	11.06	11.12	11.02
Pelbagai	Miscellaneous	1.40	2.10	3.00	3.00	2.80	—	—	—	1.35	—	—	—	2.28

SEMENANJUNG MALAYSIA/*PENINSULAR MALAYSIA*
HARGA RUNCIT PURATA IKAN AIRTAWAR DI PASAR-PASAR UTAMA MENGIKUT BULAN DAN JENIS IKAN, 1983
AVERAGE RETAIL PRICES OF FRESHWATER FISHERS AT MAJOR MARKETS BY MONTH AND SPECIES, 1983
(MS/Kg)

JENIS IKAN/SPECIES														
JENIS IKAN/SPECIES														
Nama Tempatan <i>Local Name</i>	Nama Saintifik <i>Scientific Name</i>	Januari <i>January</i>	Februari <i>February</i>	Mac <i>March</i>	April <i>April</i>	Mai <i>May</i>	Jun <i>June</i>	Julai <i>July</i>	Ogos <i>August</i>	September <i>September</i>	Oktober <i>October</i>	November <i>November</i>	Disember <i>December</i>	Purata <i>Average</i>
Baung	<i>Mystus nemurus</i>	5.47	5.00	4.60	5.08	5.35	4.87	5.43	4.60	4.03	5.03	4.83	4.48	4.90
Belida	<i>Notopetrus chiltala</i>	—	3.00	4.85	3.03	3.37	3.30	4.35	4.85	5.00	4.00	4.00	4.00	3.98
Bujuk	<i>Ophicephalus lucius</i>	—	—	—	—	—	—	—	—	—	—	—	—	—
Haruan	<i>Ophicephalus striatus</i>	3.16	3.27	3.31	3.45	3.33	2.88	3.43	3.31	3.82	3.46	4.15	3.74	3.44
Jelawat	<i>Leptobarbus hoeveni</i>	—	—	—	—	—	—	—	—	—	—	—	—	—
Jelawat Kolam		—	—	—	—	—	—	—	—	—	—	—	—	—
Jelawat Sungai		—	—	—	—	—	—	—	—	—	—	—	—	—
Kalui	<i>Osphronemus goramy</i>	2.30	—	—	4.50	2.70	2.85	5.93	—	2.00	—	3.50	—	3.40
Kap Rumpit	<i>Ctenopharyngodon idellus</i>	3.11	2.85	3.20	3.60	3.01	3.34	3.72	3.20	3.89	3.58	3.71	3.33	3.43
Kap Lumpur	<i>Cirrhina molitorella</i>	—	—	—	—	—	—	—	—	—	—	—	—	—
Kelah	<i>Tor tambroides</i>	—	9.10	—	—	4.40	—	—	—	—	—	—	9.00	7.50
Keli	<i>Clarias batrachus</i>	3.71	2.85	2.70	2.90	2.30	2.84	3.03	2.65	3.30	3.20	2.57	3.14	2.88
Ketutu	<i>Oxyeleotris marmoratus</i>	—	20.00	16.00	15.75	11.05	12.50	—	16.00	11.00	14.00	14.00	24.00	15.43
Kap Kepala Besar	<i>Aristichthys nobilis</i>	3.38	3.00	2.77	2.75	2.36	4.03	3.33	2.77	3.06	3.20	3.25	3.41	3.11
Kerai Kunyit	<i>Puntius daruphani</i>	—	—	—	—	—	4.75	7.30	—	—	—	6.00	7.00	6.26
Kerai Puteh		—	—	—	—	—	—	—	—	—	—	—	—	—
Kerai Jelawat	<i>Leptobarbus haeveni</i>	—	—	—	—	—	—	—	—	—	—	—	—	—
Kerai	<i>Large Cyprinids</i>	—	—	—	—	—	—	—	—	—	—	—	—	—
Kenerak		—	—	—	—	—	—	—	—	—	—	—	—	—
Lomah	<i>Labiobarbus ocellatus</i>	—	—	—	—	—	—	—	—	—	—	—	—	—
Lais	<i>Kryptopterus cryptopterus</i>	—	—	—	—	—	—	—	—	—	—	—	—	—
Lampam Jawa	<i>Puntius gonionotus</i>	3.51	3.15	2.68	3.21	2.88	3.03	3.33	2.68	3.46	2.98	3.26	3.92	3.17
Lampam Sungai	<i>Puntius schwarefeldii</i>	2.52	2.25	2.60	2.36	2.72	2.90	3.08	2.60	2.80	2.95	2.83	2.73	2.70
Lawang	<i>Pangasius micronemus</i>	—	—	—	—	—	—	—	—	—	—	—	—	—
Lee Koh	<i>Cyprinus carpio</i>	4.15	3.75	4.67	3.20	3.24	3.20	3.76	4.67	3.00	3.75	4.07	4.00	3.79
Limbat	<i>Clarias nieuhofii</i> (C.V.)	—	—	—	—	—	—	—	—	—	—	—	—	—

[illegible]

SEMENANJUNG MALAYSIA/PENINSULAR MALAYSIA
PENJUALAN IKAN AIRTAWAR DI PASAR-PASAR UTAMA MENGIKUT NEGERI DAN JENIS IKAN, 1983
SALE OF FRESHWATER FISH AT MAJOR MARKETS BY STATE AND SPECIES, 1983
(Kuantiti dalam Tan M/Quantity in Tonnes)

JENIS IKAN/SPECIES		NEGERI/STATE												Jumlah Tan M. Total Tonnes
Nama Tempatan Local Name	Nama Saintifik Scientific Name	Perlis	Kedah	Pulau Pinang	Perak	Selangor	Wilayah Persekutuan	Negeri Sembilan	Melaka	Johor	Pahang	Terengganu	Kelantan	
Baung	Mystus nemurus	—	0.44	0.98	12.64	—	—	—	—	2.43	0.89	0.25	—	17.63
Belida	Notopetrus chittala	—	—	—	7.55	0.03	—	—	—	1.10	0.23	—	—	8.91
Bujuk	Ophicephalus lucius	—	—	—	—	—	—	—	—	—	—	—	—	—
Haruan	Ophicephalus striatus	0.48	0.60	16.34	129.72	1.35	4.15	5.14	0.31	—	0.47	0.20	—	158.76
Jelawat	Leptobarbus hoeveni	—	—	—	—	—	—	—	—	—	—	—	—	—
Jelawat Kolam	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Jelawat Sungai	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Kalui	Osphronemus goramy	—	0.01	0.14	—	—	—	—	—	—	0.04	—	—	0.19
Kap Rumput	Ctenopharyngodon idellas	0.25	0.44	7.56	37.65	4.69	6.37	16.37	22.89	3.89	0.59	0.14	1.19	102.03
Kap Lumpur	Cirrhina mooltorella	—	—	—	—	—	—	—	—	—	—	—	—	—
Kelah	Tor tambroides	—	—	—	—	—	—	—	—	—	—	—	—	—
Keli	Clarias batrachus	—	1.54	2.17	166.42	2.40	22.75	20.28	0.67	—	1.50	—	—	217.73
Ketutu	Oxyeleotris marmoratus	—	—	—	4.69	0.48	—	—	—	—	0.15	—	—	5.32
Kap Kepala Besar	Aristichthys nobilis	—	0.77	0.38	25.75	12.76	34.07	30.75	13.43	—	0.39	0.51	1.50	120.31
Kerai Kunyit	—	—	0.15	—	—	—	—	—	—	—	0.26	—	—	0.41
Kerai Putih	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Kerai Jelawat	Leptobarbus hoeveni	—	—	—	—	—	—	—	—	—	—	—	—	—
Kenerak	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Ketam Nipah	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Lomah	Labiobarbus ocellatus	—	—	—	—	—	—	—	—	—	—	—	—	—
Lais	Kryptopterus Kryptopterus	—	—	—	—	—	—	—	—	—	—	—	—	—
Lampam Jawa	Puntius gonionotus	—	5.06	—	45.09	6.81	17.32	17.23	30.40	—	1.02	0.03	2.11	125.07
Lampam Sungai	Puntius schwartzei	—	0.96	0.62	51.26	4.58	—	—	—	—	0.66	—	0.16	58.24
Lawang	Pangasius micronemus	—	—	—	—	—	—	—	—	—	—	—	—	—
Lee Koh	Cyprinus Carpio	—	2.90	—	11.66	—	13.50	11.35	—	—	0.12	—	2.67	42.20
Limbai	Clarias nieuhofii (C.V.)	—	—	—	—	—	—	—	—	—	—	—	—	—
Patong	Pristolepis fasciatus	—	—	—	—	—	—	—	—	—	—	—	—	—
Lampam Siam	Puntius spp	—	—	—	0.40	—	—	—	—	—	—	—	—	0.40
Juara	—	—	—	—	8.36	—	—	—	—	—	0.09	—	—	8.45
Patin Buah	Pangasius spp	—	—	—	2.97	—	—	—	—	—	0.20	—	—	3.17

Sepat	Trichogaster spp	—	0.30	—	13.91	0.18	—	—	—	—	0.04	—	—	14.43
Terubuk		—	0.02	—	57.28	—	—	—	0.70	—	—	0.20	—	58.20
Patin Muncong		—	0.11	—	23.38	—	—	1.35	—	—	0.27	—	—	25.11
Patin Perak		—	—	—	0.64	—	—	2.17	16.49	—	0.80	—	—	20.10
Patin Kolam		—	—	—	—	—	—	—	—	—	—	—	—	—
Patin Sungai		—	—	0.10	9.38	—	—	—	—	—	0.99	—	—	10.47
Patin		—	—	—	—	—	—	—	—	—	—	—	—	—
Puyu	Anabas tertudineus	—	0.31	—	1.63	0.22	—	—	0.74	—	—	0.20	—	3.10
Putih	Puntius binotatus	—	—	—	—	1.15	—	—	—	—	0.04	—	—	1.19
Pucuk Pisang	Labiobarbus fasciatus	—	0.62	0.13	16.14	0.02	—	—	—	—	—	—	—	16.91
Sebarau	Hampala macrolepidota	—	0.09	—	0.40	0.14	—	—	—	—	—	—	—	0.63
	V. Hasselt													
Sepat Siam	Trichogaster pectoralis	—	0.27	0.08	23.39	2.10	—	—	3.15	—	0.13	—	—	29.12
Temperas	Cyclocheilichthys apagon (C.V.)	—	—	—	—	—	—	—	—	—	—	—	—	—
Tapah	Wallago Attu (Bl. Scha)	—	—	—	2.63	—	—	—	—	1.29	—	—	—	3.92
Temakang	Helostoma temmincki	—	0.20	—	19.49	—	—	—	—	—	—	—	—	19.69
Temoleh	Probarbus julieni Sauvage	—	—	—	—	—	—	—	—	—	0.03	—	—	0.03
Tengalan	Puntius bulu	—	—	—	0.69	—	—	—	—	—	0.37	—	—	1.06
Terbol	Osteo chilus hasselti	—	—	—	—	—	—	—	—	—	—	—	—	—
Tilapia	Tilapia mossambica	—	3.24	—	29.80	2.23	17.22	12.72	—	—	0.55	—	—	65.76
Toman	Ophicephalus micropeltes	—	—	—	—	—	—	—	—	—	0.12	—	—	0.12
Tongsan	Acrossocheilus hexagonolepis	—	—	—	0.70	—	—	—	—	—	0.03	—	—	0.73
Ubi	Chana lucius (C.V.)	—	—	—	—	—	—	—	—	—	—	—	—	—
Udang Galah	Macrobrachium rosenbergii	—	0.22	1.01	44.43	16.53	0.30	—	0.10	14.19	1.20	—	0.12	78.10
Pelbagai	Miscellaneous	—	—	—	1.55	—	—	—	—	—	0.06	—	—	1.61
Jumlah Tan M./Total M. Tonnes		0.73	18.25	29.51	749.60	55.67	115.68	117.36	88.88	22.90	11.24	1.53	7.75	1,219.10

SEMENANJUNG MALAYSIA/PENINSULAR MALAYSIA
 PENGELUARAN ANAK-ANAK IKAN DAN UDANG AIRTAWAR OLEH PUSAT-PUSAT PENGELUARAN, KERAJAAN MENGIKUT
 PEN PUSAT DAN JENIS IKAN

IKAN

FRESHWATER FISH FRY PRODUCTION OF GOVERNMENT HATCHERIES BY HATCHERY AND SPECIES, 1983

PUNCA/SOURCE	JENIS BENIH IKAN/SPECIES OF FISH FRY											Jumlah/Total
	Lampam Jawa Javanese Carp	Lee Koh Common Carp	Sepat Siam Snakeskin Gouramy	Tilapia African Bream	Udang Galah Freshwater Giant Prawn	Temakang Kissing Gouramy	Siakap Snapper	Patin River Catfish	Kap Rumpit Grass Carp	Kap Kepala Besar/Big Head Carp	Kalui Giant Gouramy	
Pusat Penetasan Udang Galah, P. Sayak <i>Prawn Hatchery Station, P. Sayak, Kedah</i>	—	—	—	—	377,690	—	—	—	—	—	—	377,690
Pusat Penetasan Udang Galah, Sabak Kelantan <i>Prawn Hatchery Station, Sabak, Kelantan</i>	—	—	—	—	462,502	—	—	—	—	—	—	462,502
Pusat Pembaikbiak Ikan, Jitra, Kedah <i>Fish Breeding Station, Jitra, Kedah</i>	1,741,816	577,614	8,380	234,158	—	—	—	—	—	—	—	2,561,968
Pusat Pembaikbiak Ikan, Enggor, Perak <i>Fish Breeding Station, Enggor, Perak</i>	469,583	16,562	12,341	30,890	—	—	—	—	—	—	—	529,376
Pusat Pembaikbiak Ikan, Tapah, Perak <i>Fish Breeding Station, Tapah, Perak</i>	619,328	1,672	9,504	58,717	—	1,045	—	—	—	—	825	691,091
Pusat Pembaikbiak Ikan, Machang, Kelantan <i>Fish Breeding Station, Machang, Kelantan</i>	33,605	89,670	—	—	—	—	—	—	—	—	—	123,275
Pusat Pembaikbiak Ikan, Bukit Tinggi, Pahang <i>Fish Breeding Station, Bukit Tinggi, Pahang</i>	911,549	190,350	10,879	43,317	190	—	—	—	—	—	—	1,156,285
Pusat Percubaan Menternak Ikan, Cameron Highland, Pahang <i>Fish Culture Experimental Station, Cameron Highland, Pahang</i>	—	67,340	—	—	—	—	—	—	—	—	—	67,340
Pusat Pembaikbiak Ikan, Kong-kong, Johor <i>Fish Breeding Station, Kong-kong, Johor</i>	924,532	21,275	4,816	172,787	—	—	—	—	—	—	—	1,123,410
Pusat Penetasan Udang Galah, Port Dickson, Negeri Sembilan <i>Prawn Hatchery Station, Port Dickson, Negeri Sembilan</i>	—	—	—	—	48,360	—	—	—	—	—	—	48,360
Pusat Penetasan Udang Galah, Kg. Acheh Sitiawan, Perak <i>Prawn Hatchery Station, Kg. Acheh, Sitiawan, Perak</i>	339,830	—	—	3,000	171,262	—	—	—	—	—	—	342,830
Institut Penyelidikan Perikanan, Pulau Pinang <i>Fisheries Research Institute, Penang</i>	—	—	—	—	524,463	—	—	—	—	—	—	171,262
JUMLAH/TOTAL	5,040,243	964,483	45,920	542,869	1,584,467	1,045	—	—	—	—	825	8,179,852

SEMENANJUNG MALAYSIA/PENINSULAR MALAYSIA
PEMBAHAGIAN BENIH-BENIH DAN UDANG KEPADA PENTERNAK MENGIKUT NEGERI DAN JENIS IKAN, 1983
 DISTRIBUTION OF FRESHWATER FISH FRY FROM GOVERNMENT HATCHERIES TO CULTURISTS BY STATE AND SPECIES, 1983

Negeri/State	Kepada Penternak (To Farmers)										Jumlah/Total
	Lampam Jawa <i>Javanese Carp</i>	Lee Koh <i>Common Carp</i>	Sepat Siam <i>Snakeskin Gouramy</i>	Tilapia <i>African Bream</i>	Udang Galah <i>Freshwater Giant Prawn</i>	Temakang <i>Kissing Gouramy</i>	Siakap <i>Snapper</i>	Patin <i>River Catfish</i>	Kap Rumpit <i>Grass Carp</i>	Kap Kepala <i>Besar/Big Head Carp</i>	
Perlis	194,550	69,480	—	58,580	73,640	—	—	—	—	—	396,250
Kedah	257,725	131,757	2,500	85,331	102,080	—	—	—	—	—	579,393
Pulau Pinang	24,600	29,500	—	23,505	37,200	—	—	—	—	—	114,805
Perak	300,816	30,956	17,213	56,999	114,652	—	—	—	—	—	520,636
Selangor	268,715	25,000	—	2,250	22,350	—	—	—	—	—	318,315
Wilayah Persekutuan	1,990	1,500	300	1,145	—	—	—	—	—	—	4,935
Negeri Sembilan	650,450	38,898	—	13,965	1,300	—	—	—	—	—	704,613
Melaka	352,750	2,211	—	2,335	—	—	—	—	—	—	357,296
Johor	492,370	10,975	—	141,165	11,000	—	—	—	—	—	655,510
Pahang	289,173	107,172	—	380	35,712	—	—	—	—	—	432,437
Terengganu	143,890	61,381	—	5,850	50,500	—	—	—	—	—	261,621
Kelantan	179,651	61,125	—	—	218,236	—	—	—	—	—	459,012
Jumlah/Total	3,156,680	569,955	20,013	391,505	666,670	—	—	—	—	—	4,804,823

SEMENANJUNG MALAYSIA/PENINSULAR MALAYSIA
PEMBAHAGIAN BENIH-BENIH IKAN DAN UDANG AIRTAWAR, 1983
DISTRIBUTION OF FRESHWATER FISH FRY, 1983

Negeri/State	Pelepasan Ke Dalam Perairan Umum <i>Stocking in Open and Impounded Water</i>					Kegunaan Pelbagai <i>Research and Miscellaneous Purpose</i>							
	Lampam Jawa <i>Javanese Carp</i>	Lee Koh <i>Common Carp</i>	Sepat Siam <i>Snakeskin Gouramy</i>	Tilapia/Tilapia	JUMLAH TOTAL	Lampam Jawa <i>Javanese Carp</i>	Lee Koh <i>Common Carp</i>	Sepat Siam <i>Snakeskin Gouramy</i>	Tilapia <i>African Bream</i>	Udang Galah <i>Freshwater Giant Prawn</i>	Temakang <i>Kissing Gouramy</i>	Kalui <i>Giant Gouramy</i>	JUMLAH TOTAL
Perlis	25,000	—	—	25,000	50,000	—	—	—	—	—	—	—	—
Kedah	219,710	1,000	—	18,900	239,610	410	70	50	3,320	—	—	—	3,850
Pulau Pinang	—	—	—	—	—	—	—	100	3,140	—	—	—	3,240
Perak	195,000	—	—	—	195,000	6,055	1,020	—	2,020	—	70	50	9,215
Selangor	—	—	—	—	—	5,190	90	1,207	1,100	—	—	—	7,587
Wilayah Persekutuan	—	10,000	—	—	10,000	300	150	300	150	—	—	—	900
Negeri Sembilan	2,000	—	—	—	2,000	5,070	—	—	—	3,000	—	—	8,070
Melaka	—	—	—	—	—	3,180	—	—	—	2,200	—	—	5,380
Johor	97,100	—	—	25,000	122,100	4,700	—	—	1,747	—	—	—	6,447
Pahang	—	—	—	—	—	16,130	2,410	—	60	—	—	—	18,600
Terengganu	—	—	—	—	—	—	—	—	—	—	—	—	—
Kelantan	—	—	—	—	—	—	—	30,100	50	—	—	—	30,150
JUMLAH/TOTAL	538,810	11,000	—	68,900	618,710	41,035	3,740	31,757	11,587	5,200	70	50	93,439

SEMENANJUNG MALAYSIA (*PENINSULAR MALAYSIA*)
JUMLAH ANAK-ANAK IKAN AIRTAWAR YANG DILEPASKAN DALAM PERAIRAN UMUM MENGIKUT NEGERI DAN JENIS IKAN, 1983
 (Freshwater Fingerlings From Government Hatcheries Released Into Open Inpounded Waterbodies By State And Science, 1983)

NEGERI (State)	JENIS IKAN (Species)	LAMPAM JAWA <i>Javanese Carp</i>	LEE KOH <i>Common Carp</i>	TILAPIA	JUMLAH (Total)
PERLIS		25,000	—	25,000	50,000
KEDAH		219,710	1,000	18,900	239,610
PULAU PINANG		—	—	—	—
PERAK		195,000	—	—	195,000
SELANGOR		—	—	—	—
WILAYAH PERSEKUTUAN		—	10,000	—	10,000
NEGERI SEMBILAN		2,000	—	—	2,000
MELAKA		—	—	—	—
JOHOR		97,100	—	25,000	122,100
PAHANG		—	—	—	—
TERENGGANU		—	—	—	—
KELANTAN		—	—	—	—
JUMLAH/TOTAL		538,810	11,000	68,900	618,710

SEMENANJUNG MALAYSIA/PENINSULAR MALAYSIA
BIL. PUSAT PENETASAN IKAN/UDANG SWASTA DAN PENGELUARANNYA MENGIKUT NEGERI DAN JENIS IKAN/UDANG – 1983
 (No. of Private Hatcheries and Their Fry Production by State And Species – 1983)

Jenis Ikan/Species	Lee Koh/Common Carp		Udang Harimau/Tiger Prawn		Udang Galah/Freshwater Giant Prawn		Jumlah/Total	
Negeri State	Bil. Pusat Penetasan (No. of Hatcheries)	Bil. Pengeluaran (Production)	Bil. Pusat Penetasan (No. of Hatcheries)	Bil. Pengeluaran (Production)	Bil. Pusat Penetasan (No. of Hatcheries)	Bil. Pengeluaran (Production)	Bil Pusat Penetasan (No. of Hatcheries)	Bil. Pengeluaran (Production)
Pertlis	—	—	—	—	—	—	—	—
Kedah	—	—	1	2,000,000	—	—	1	2,000,000
Pulau Pinang	—	—	1	6,000,000	—	—	1	6,000,000
Perak	2	26,000	—	—	—	—	2	26,000
Selangor	4	52,000	1	2,000,000	—	—	5	2,052,000
Wilayah Persekutuan	2	26,000	—	—	—	—	2	26,000
Negeri Sembilan	—	—	—	—	—	—	—	—
Melaka	—	—	—	—	2	4,000,000	2	4,000,000
Johor	—	—	4	14,000,000	—	—	4	14,000,000
Pahang	—	—	—	—	—	—	—	—
Terengganu	—	—	—	—	—	—	—	—
Kelantan	—	—	—	—	—	—	—	—
Jumlah	8	104,000	7	24,000,000	2	4,000,000	17	28,104,000

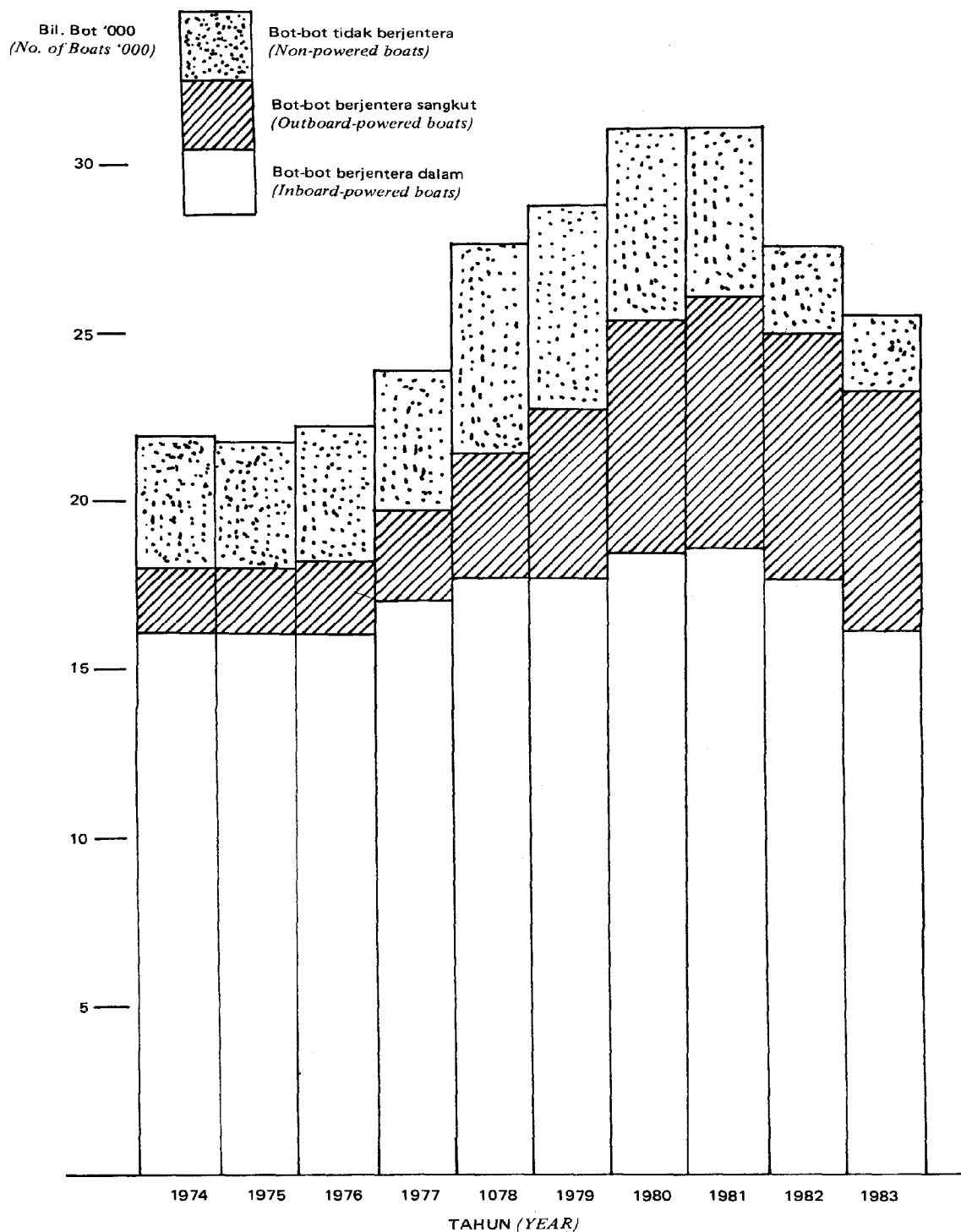
SEMENANJUNG MALAYSIA/PENINSULAR MALAYSIA
BIL. PUSAT-PUSAT SEMAIAN IKAN SWASTA DAN PENGELUARAN BENIH MENGIKUT NEGERI DAN JENIS IKAN – 1983
 (Number of Private Nurseries and Their Fry Production By State and Species – 1983)

Negeri State	JENIS IKAN/SPECIES										
	Bil. Pusat Semaian (Number of Nurseries)	Siakap (Barramundi)	Kerapu (Grouper)	Kap Rumpot (Grass Carp)	Kap Kepala Besar (Big Head Carp)	Kap Lumpur (Mud Carp)	Jelawat (Sultan Fish)	Tilapia (Tilapia)	Ketutu (Marble Goby)	Patin (River Catfish)	Jumlah (Total)
Perlis	—	—	—	—	—	—	—	—	—	—	—
Kedah	1	5,000	5,000	—	—	—	—	—	—	—	10,000
Pulau Pinang	3	18,000	18,000	—	—	—	—	—	—	—	36,000
Perak	4	—	—	60,000	60,000	5,000	24,000	100,000	4,000	100,000	353,000
Selangor	4	—	—	160,000	160,000	—	10,000	10,000	5,000	10,000	355,000
Wilayah Persekutuan	4	—	—	200,000	200,000	5,000	—	—	5,000	10,000	420,000
Negeri Sembilan	—	—	—	—	—	—	—	—	—	—	—
Melaka	1	5,000	—	15,000	15,000	—	6,000	—	—	35,000	76,000
Johor	—	—	—	—	—	—	—	—	—	—	—
Pahang	—	—	—	—	—	—	—	—	—	—	—
Terengganu	—	—	—	—	—	—	—	—	—	—	—
Kelantan	—	—	—	—	—	—	—	—	—	—	—
Jumlah	17	28,000	23,000	435,000	435,000	10,000	40,000	110,000	14,000	155,000	1,250,000

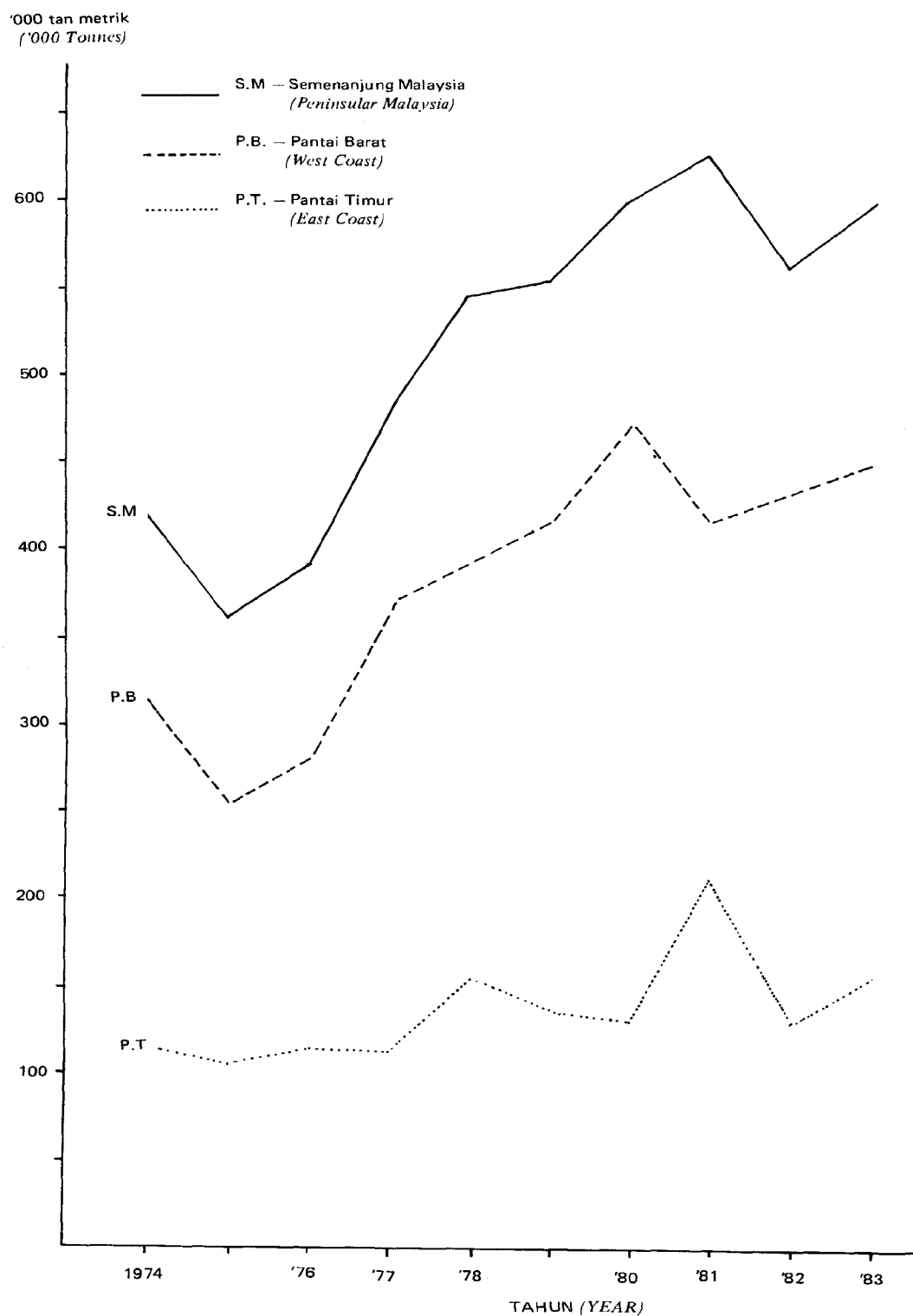
SEMENANJUNG MALAYSIA
(PENINSULAR MALAYSIA)

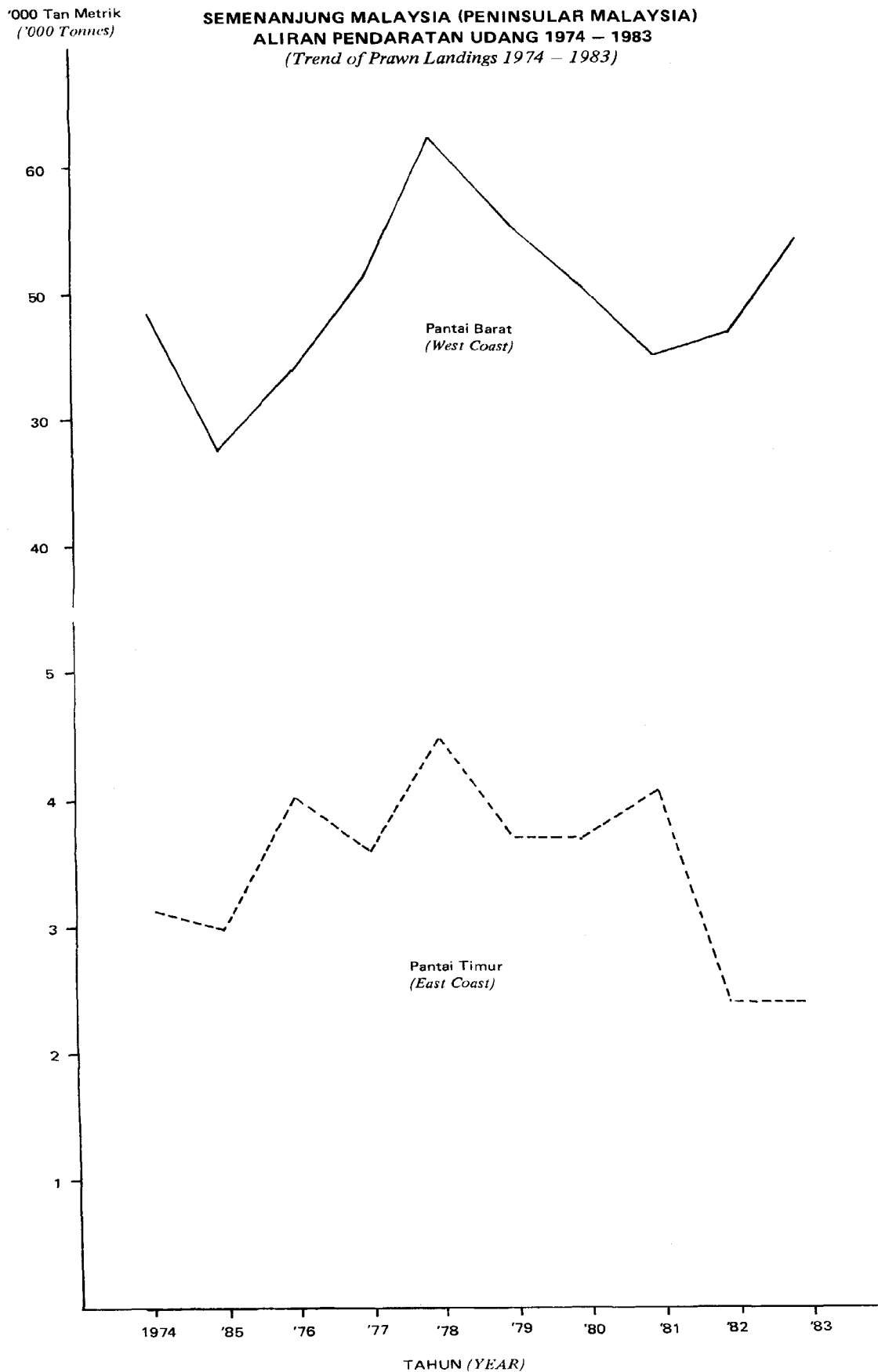
BILANGAN BOT-BOT BERJENTERA DALAM, BERJENTERA SANGKUT DAN TIDAK
BERJENTERA YANG DILESENKAN BAGI JANGKA MASA 1974 – 1983

(Number of Inboard-Powered, Outboard-Powered and Non-Powered Fishing Boats
Licensed in the Period 1974 – 1983)

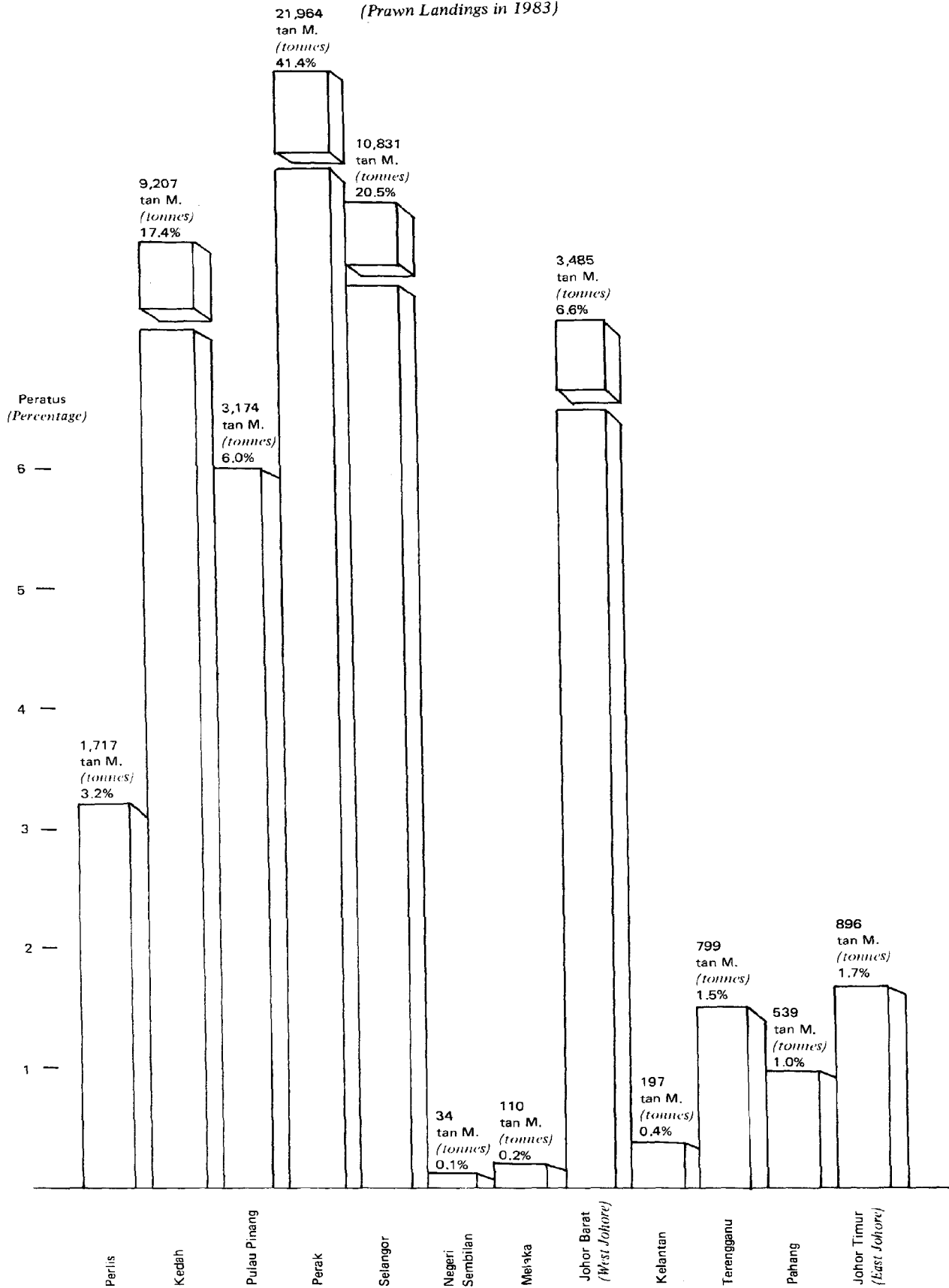


SEMANANJUNG MALAYSIA (PENINSULAR MALAYSIA)
ALIRAN PENDARATAN IKAN LAUT 1974 – 1983
(Trend of Marine Fish Landings, 1974 – 1983)





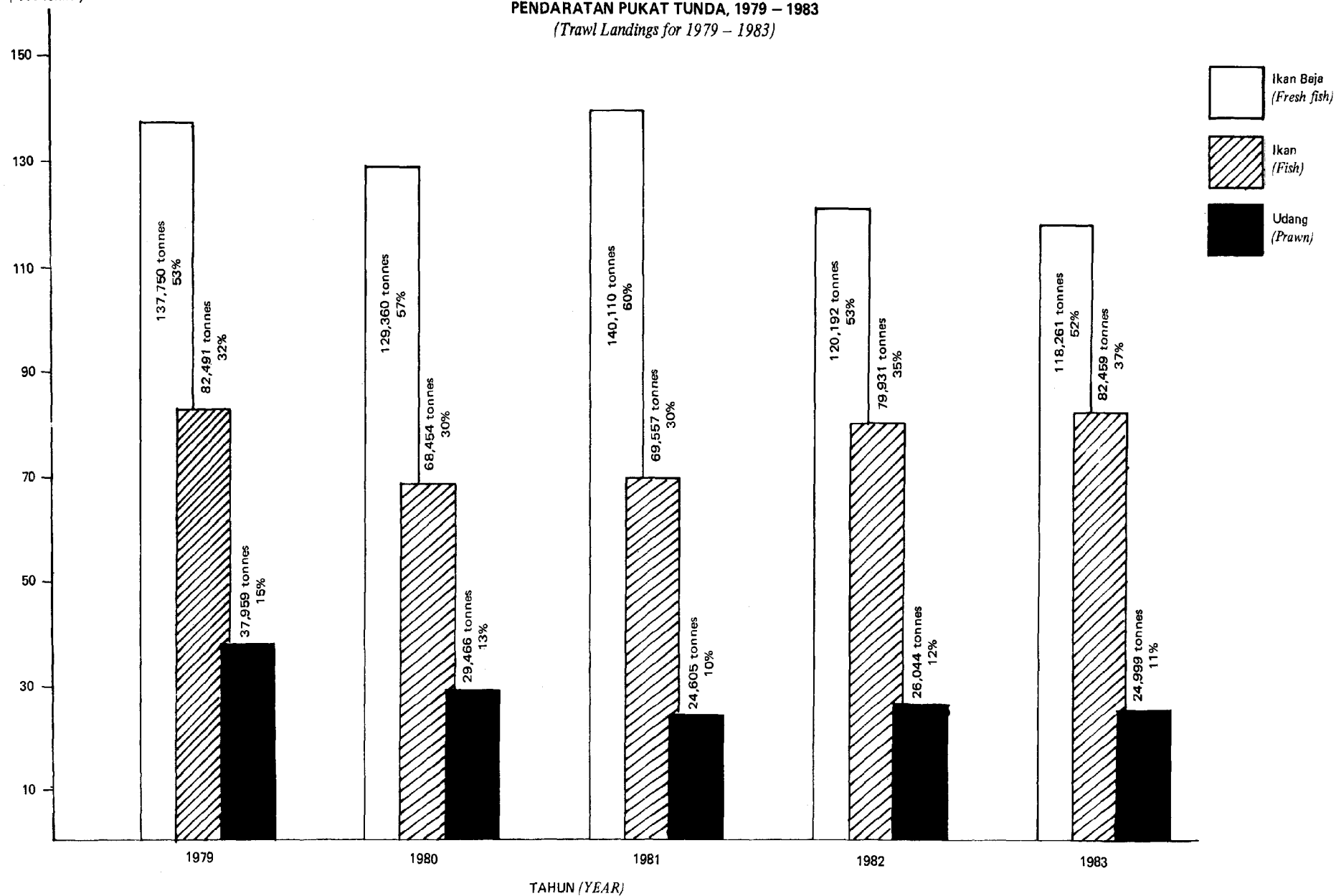
(SEMENANJUNG MALAYSIA (PENINSULAR MALAYSIA))
PENDARATAN UDANG, 1983
(Prawn Landings in 1983)



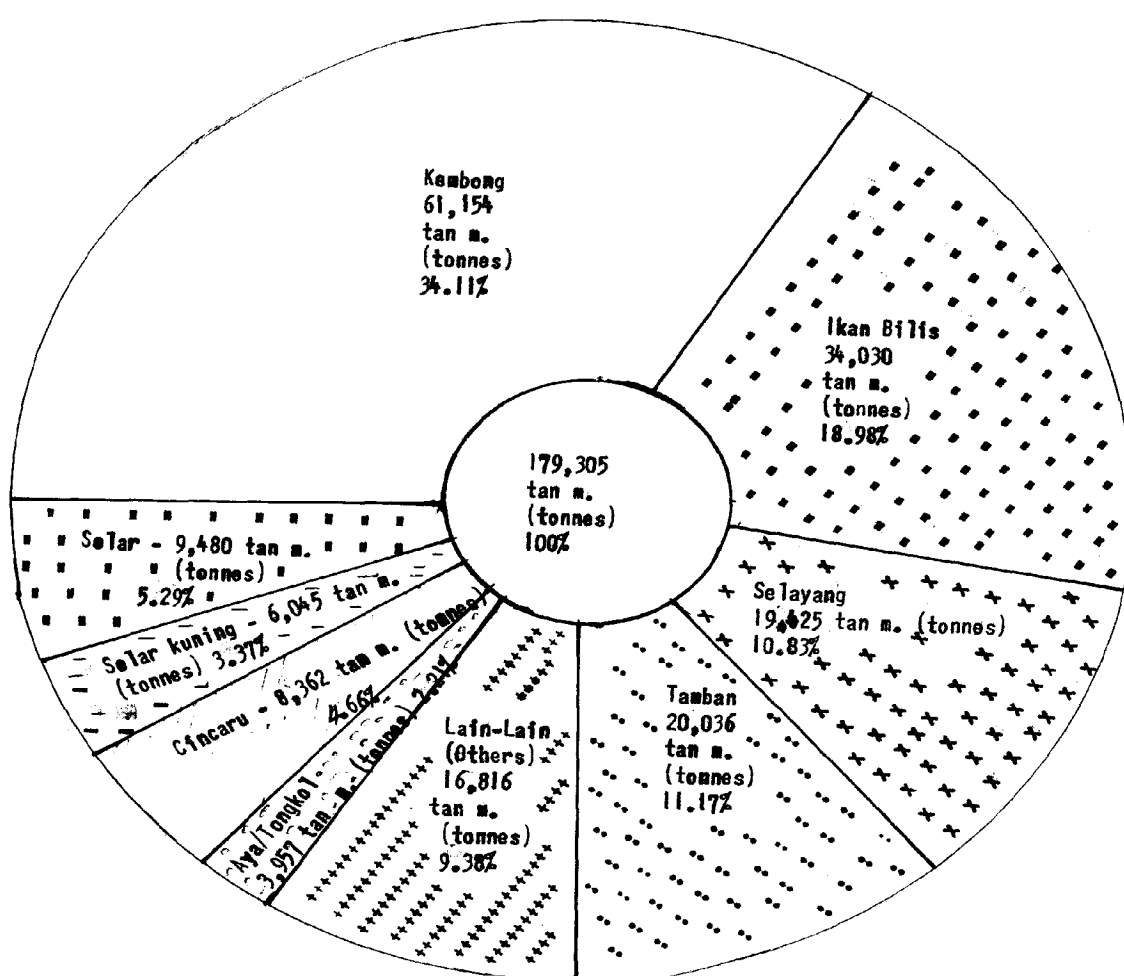
'000 tan metrik
(^{'000 tonnes})

SEMANJUNG MALAYSIA (PENINSULAR MALAYSIA)
PENDARATAN PUKAT TUNDA, 1979 – 1983
(Trawl Landings for 1979 – 1983)

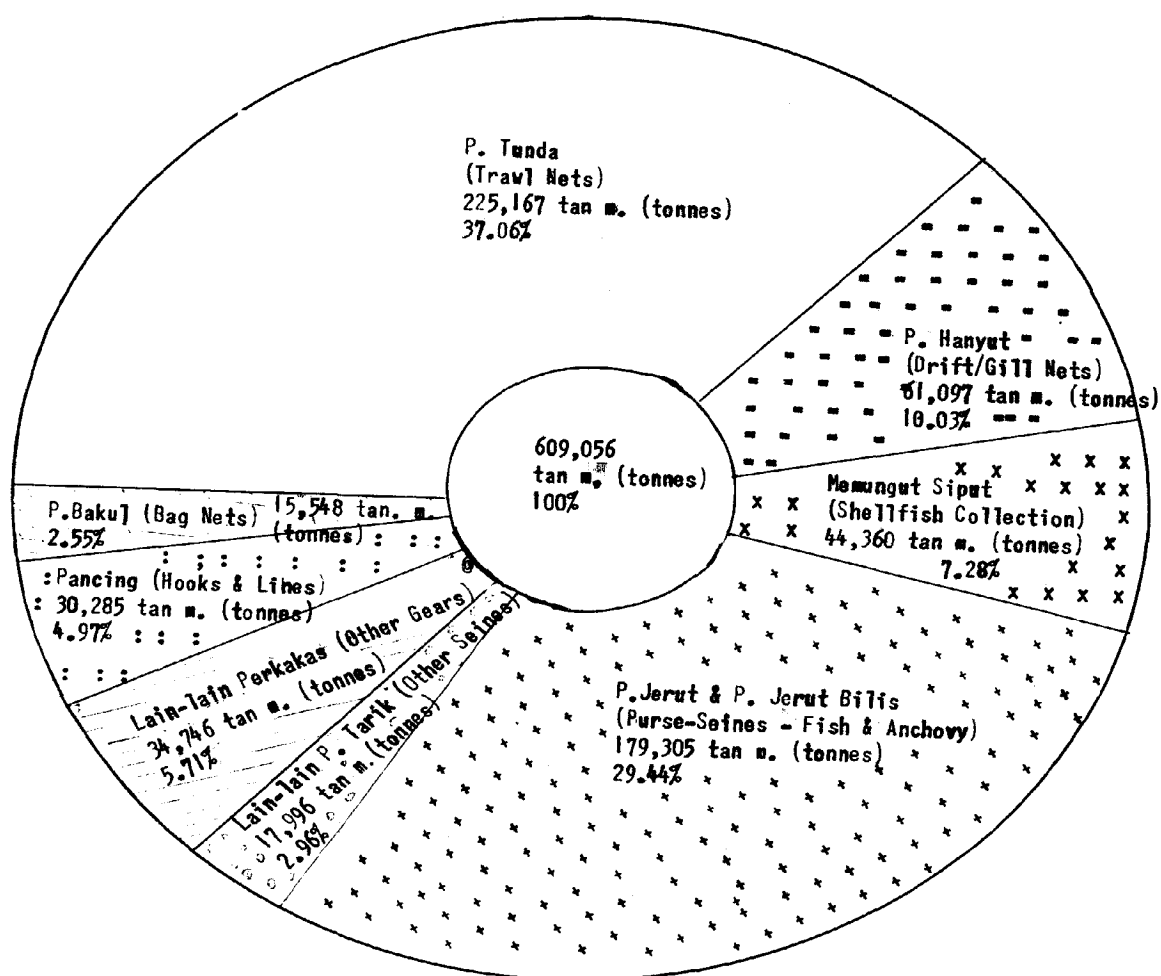
CARTA (CHART) E



SEMENANJUNG MALAYSIA (PENINSULAR MALAYSIA)
 PENDARATAN PUKAT JERUT MENGIKUT JENIS IKAN, 1983
(Purse-Seine Landings by Species, 1983)

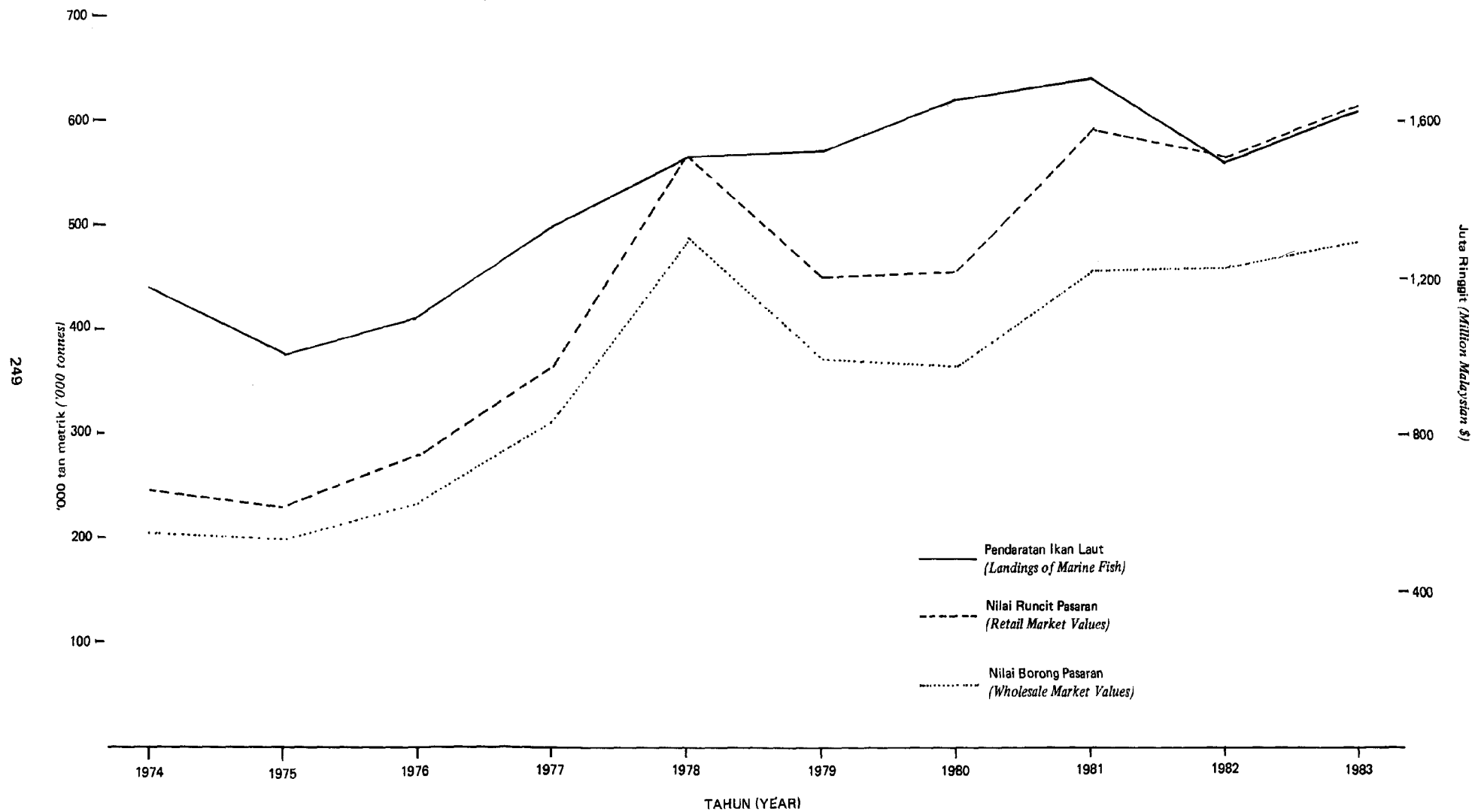


SEMENANJUNG MALAYSIA (PENINSULAR MALAYSIA)
 PENDARATAN IKAN LAUT MENGIKUT KUMPULAN PERKAKAS, 1983
 (Landings of Marine Fish by Gear Group, 1983)

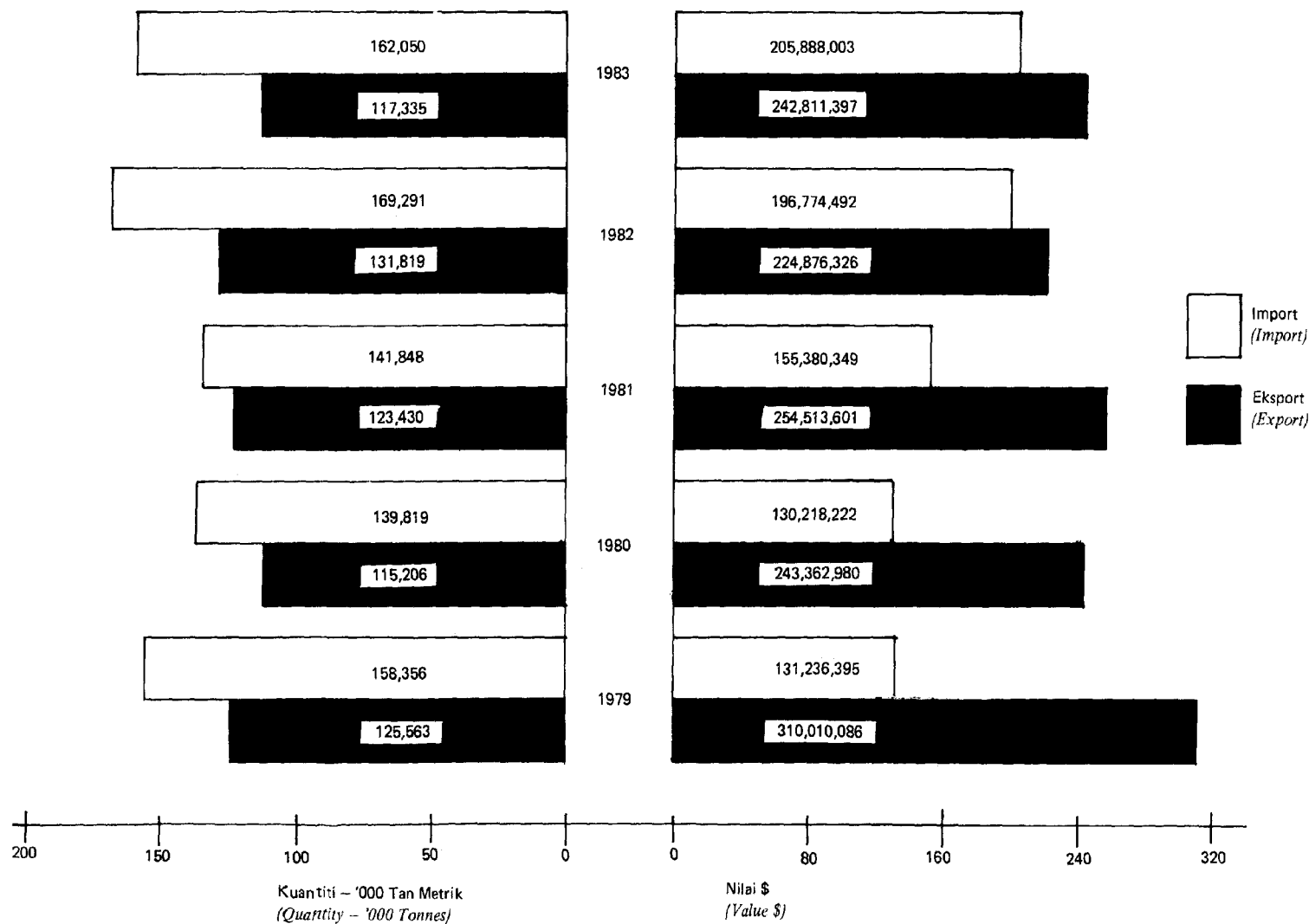


© Lain-lain Perkakas adalah termasuk Pukat Tangguk, Belat-belat, Pukat Rentang, Pukat Surung dan Rampaian.
 (Other Gears include Lift Nets, Stationary and Portable Traps, Barrier Nets, Push Nets and Miscellaneous Gears)

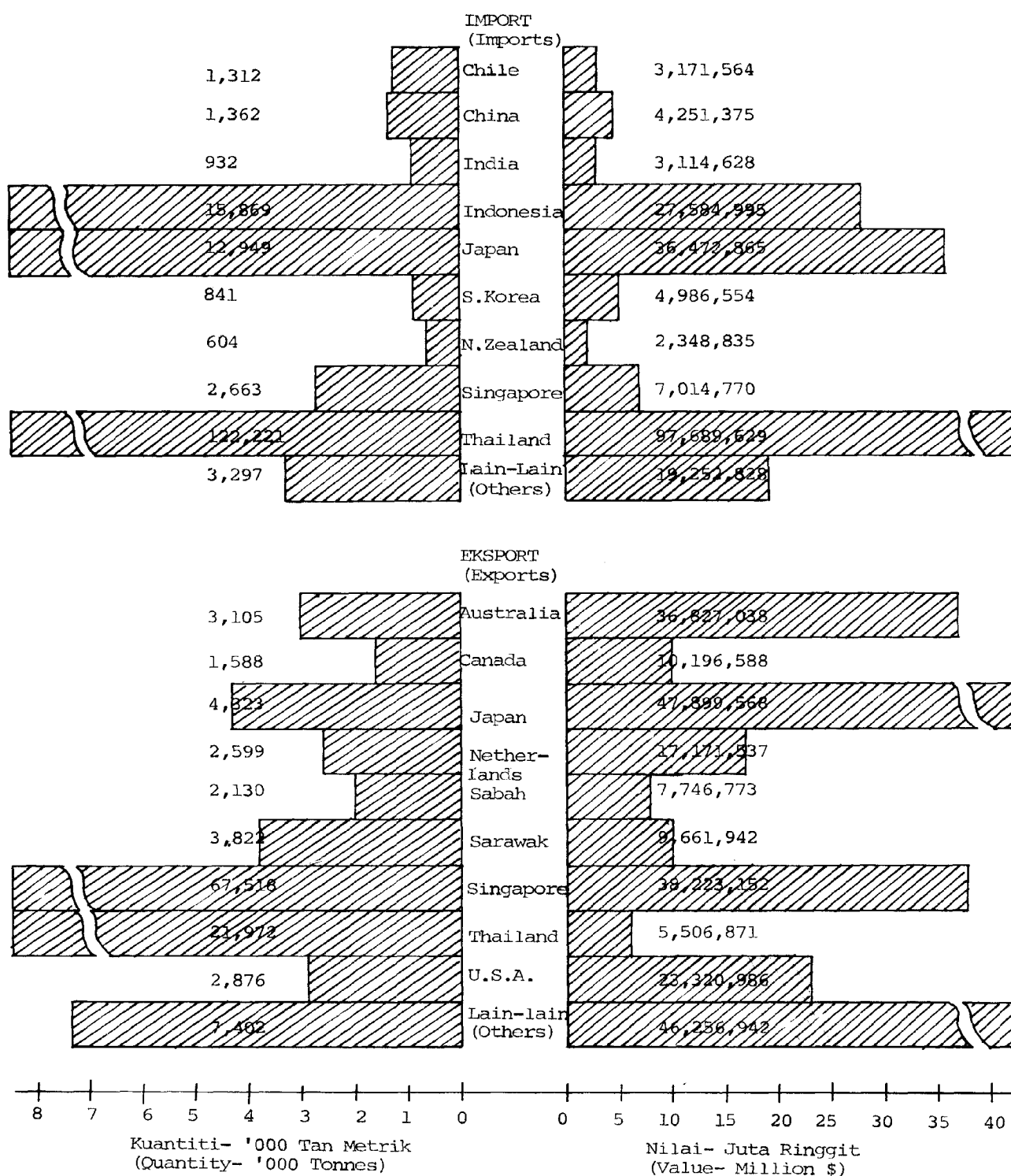
SEMANAJUNG MALAYSIA (PENINSULAR MALAYSIA)
NILAI PASARAN DAN PENDARATAN IKAN LAUT BAGI TAHUN 1974 – 1983
(Market Values and Landings of Marine Fish for the Years 1974 – 1983)



SEMENANJUNG MALAYSIA (*PENINSULAR MALAYSIA*)
 SIRI TAHUNAN IMPORT DAN EKSPORT BARANGAN PERIKANAN MENGIKUT KUANTITI DAN NILAI
 (Annual Series of Fishery Commodities of Imports and Exports by Quantity and Value)



SEMENANJUNG MALAYSIA (PENINSULAR MALAYSIA)
IMPORT DAN EKSPORT BARANGAN PERIKANAN MENGIKUT KUANTITI, NILAI
DAN NEGERI ASAL/DESTINASI UTARA, 1983
(Imports and Exports of Fishery Commodities by Quantity, Value
and Major Country of Origin/Destination, 1983)



Pembetulan (Errata)

Perangkaan Tahunan Perikanan 1982 (*Annual Fisheries Statistics, 1982*)

1. **Pendahuluan (Foreword)**
Di para 1 (Bahasa Inggeris) masukkan perkataan "is a combination" selepas ayat "collection" dan perkataan "complied" digantikan dengan "compiled".
(*Under para 1, insert the phrase, "is a combination" after the word, "collection" and the word "complied" should read as compiled*)
2. **Kandungan (Contents)**
Di Jadual 15.6, perkataan "Fisheried" hendaklah digantikan dengan "Fisheries".
(*Table 15.6, the word "Fisheried" should read as "Fisheries"*).
3. **Jadual 1.1 (Table 1.1)**
Masukkan perkataan "IN" selepas perkataan "WORKING" di bahagian tajuk.
(*Insert the word "IN" after the word "WORKING"*).
4. **Jadual 1.2 (Table 1.2)**
Perkataan "Stationery" hendaklah digantikan dengan "Stationary".
(*The word "Stationery" should read as "Stationary"*).
5. **Jadual 2.1 (Table 2.1)**
Perkataan "MENENGGAP" ditajuknya hendaklah digantikan dengan "MENANGKAP".
(*The word "MENENGGAP" should read as "MENANGKAP"*).
6. **Jadual 2.7 (Table 2.7)**
Bilangan bot-bot berjentera dalam ialah 481 untuk daerah Kemaman bukan 461.
(*The number of inboard boats for Kemaman should read as 481 and not 461*).
7. **Jadual 2.6 (Table 2.6)**
Perkataan "Kaw" sebenarnya "Kew".
(*The word "Kaw" should read as "Kew"*).
8. **Jadual 2.8 (Table 2.8)**
Perkataan "Rampian" sepatutnya "Rampaian".
(*The word "Rampian" should read as "Rampaian"*).
9. **Jadual 2.11.3 (Table 2.11.3)**
Masukkan angka "2" ketempat -- untuk bot-bot di bawah 0-4.9 tan di ruangan Memungut Siput.
(*Insert the figure "2" for fishing boats of 0-4.9 tons under "Shellfish Collection"*).
10. **Jadual 4.1 (Table 4.1)**
Gantikan angka 289 dengan 269 bagi perkakas rampaian untuk Negeri Perak.
(*The number of miscellaneous gears should be 269 instead of 289 for the State of Perak*).
11. **Jadual 5.13 (Table 5.13)**
Di ruangan jenis ikan, gantikan perkataan "pair-pasir" dengan "pasir-pasir".
(*Under the species column, the word "pair-pasir" should read as "pasir-pasir"*).
12. **Jadual 5.16.3 (Table 5.16.3)**
Di ruangan jenis ikan, gantikan perkataan "dun" dengan "duri".
(*Under the species column, the word "dun" should read as "duri"*).
13. **Jadual 5.16.4 (Table 5.16.4)**
Jumlah bagi ikan Kerisi ialah 2,942.92 tan metrik bukan 942.92 tan metrik.
(*Total landings of Kerisi should read as 2,942.92 tonnes instead of 942.92 tonnes*).
14. **Jadual 5.20 (Table 5.20)**
Jumlah keseluruhan pendaratan ikan bagi 70 tan ke atas ialah 119.22 bukan 119.42 tan metrik.
(*Total landings for 70 tons and above should read as 119.22 tonnes instead of 119.42 tonnes*).
15. **Jadual 5.21.2 (Table 5.21.2)**
Jumlah pendaratan Udang Sedang bagi 10-24.9 tan ialah 221.83 tan metrik bukan 211.83 tan metrik.
(*Total landings of Udang Sedang under tonnage 10-24.9 tonnes should read as 221.83 tonnes instead of 211.83 tonnes*).
16. **Jadual 5.21.8 (Table 5.21.8)**
Bilangan jam menunda bagi muatan 25-39.9 tan ialah 11,220 bukan 11,200.
(*No. of trawling hours under tonnage 25-39.9 tons should read as 11,220 instead of 11,200*).
17. **Jadual 5.22 (Table 5.22)**
Jumlah pendaratan, Puput/Beliak Mata/Tirok ialah 0.04 tan metrik bukan 0.40 tan metrik.
(*Total landings of 'Puput/Beliak Mata/Tirok' should read as 0.04 tonnes instead of 0.40 tonnes*).
18. **Jadual 5.24 (Table 5.24)**
Jumlah bilangan memukat ialah 125,126 bukan 124,126.
(*Total no. of hauls should read as 125,126 and not 124,126*).
19. **Jadual 6.5 (Table 6.5)**
Jumlah pendaratan Udang Besar ialah 5,632.14 tan metrik bukan 5,631.14 tan metrik.
(*Total landings of Udang Besar should read as 5,632.14 tonnes instead of 5,631.14 tonnes*).

20. Jadual 7.2 (Table 7.2)
Jumlah Ikan Baja untuk Negeri Selangor ialah 3,039.00 tan metrik bukan 3,093.00 tan metrik.
(*The processed Manure Fish for the state of Selangor should read as 3,039.00 tonnes instead of 3,093.00 tonnes*).
21. Jadual 9.3 — Muka surat 144 (Table 9.3 — Page 144)
Di bawah tajuk "Other marine fish, fresh or chilled", nilai eksport ke Singapura ialah \$20,131,642.
(*Under sub-heading, "Other marine fish, fresh or chilled", the export value to Singapore should read as \$20,131,642*).
22. Jadual 9.3 — Muka surat 151 (Table 9.3 — Page 151)
Di bawah tajuk, "Cuttlefish, in airtight containers", nilai eksport ke USA ialah \$20,333 bukan \$20,535.
(*Under sub-heading, "Cuttlefish, in airtight containers", the export value to USA should read as \$20,333 and not \$20,535*).
23. Jadual 9.5 (Table 9.5)
Di bawah tajuk, "Prepared or Preserved Fish in Airtight Containers" dan "Fats and Oils, of Fish and Mammals" untuk tahun 1978, nilai dan kuantitinya ialah \$862,828 dan 612.76 tan metrik bukan \$8,862,828 dan 1,612.76 tan metrik.
(*Under sub-heading, "Prepared or Preserved Fish in Airtight Containers" and "Fats and Oils, of Fish and Mammals" for the year 1978, the value and quantity should read as \$862,828 and 612.76 tonnes instead of \$8,862,828 and 1,612.76 tonnes respectively*).
24. Jadual 11.2 (Table 11.2)
Jumlah nilai untuk Kap Rumpot ialah \$12,909.00 bukan 1,290.00.
(*Total value of Grass Carp should read as \$12,909.00 and not \$1,290.00*).
25. Jadual 14.4 (Table 14.4)
Jumlah benih ikan untuk Kap Lumpur, Jelawat, Tilapia bagi Negeri Perak ialah 150,000, 20,000 dan 0 bukan 20,000, 150,000 dan 20,000.
(*Total fish fry production of Mud-Carp, Sultan Fish and Tilapia for the State of Perak should read as 150,000, 20,000 and 0, instead of 20,000, 150,000 and 20,000*).
26. Jadual 16.3 (Table 16.3)
Jumlah pendaratan ikan dan udang (1981) ialah 68,043.13 tan metrik bukan 68,034.13 tan metrik.
(*Total landings of fish and prawn (1981) should read as 68,043.13 tonnes and not 68,034.13 tonnes*).
27. Jadual 16.7 — Muka surat 216 (Table 16.7 — Page 216)
Jumlah nilai "Preparations or preservations of crustaceans and molluscs not canned" yang dieksport ke Singapura ialah \$313,840.
(*Total export value of "Preparations or preservations of crustaceans and molluscs not canned" to Singapore should read as \$313,840*).

KLASIFIKASI PERANGKAAAN PIAWAIAN IKAN-IKAN LAUT MALAYSIA
STANDARD STATISTICAL CLASSIFICATION OF MALAYSIAN MARINE FISHES

Division	ISSCAAP Group	Local Name	English Name	Scientific Name
2 Diadromous	24 Shads, Milkfishes, etc.	Kebasi/Selangat	+ Chacunda shad (Gizzard shad)	Anodontosoma chacunda
		Puput Beliak mata Terubok	+ Shad + Slender shad 0 Longtail shad	Pellona spp Ilisha elongata Hilsa macrura
	25 Miscellaneous diadromous fishes	Siakap	+ Giant sea perch (Barramundi)	Lates calcarifer
3 Marine fishes	31 Flounders, Halibuts, Soles, etc.	Lidah Sebelah	+ Tonguefish (Tongue sole) + Flatfish	Cynoglossus spp Pseudorhombus spp
	33 Redfishes, Basses, Congers, etc.	Bayan Biji nangka Daun Baharu Defah Dengkis/Debam Duri/Pulutan/Utek Gelama/Tongkerong Gerut-gerut Jebong Jenahak Kaci Kapas laut Kerapu Kerisi Kerisi bali Kikek Lumi-lumi Malong Merah Mengkerong/Ubi/Conor Puntung Damar/Bulus-bulus Pasir-pasir/Timun-timun/ Puyu Laut Pelandok Pluru Remong/Kunyit-kunyit Semilang Shrumbu/Lemah Tanda Kerepoh Lolong Mata Besar/Selar Pisang-pisang Selar/Pelata Selar Kuning Selayang/Curut Talang	+ Parrotfish + Goatfish + Spotted sicklefish + Fusilier + Spinefeet (Rabbit fish) + Marine catfish + Jewfish + Grunter + Triggerfish + Mangrove snapper + Sweetlip + Majorras (Silver biddies) + Grouper + Threadfin bream + Sharptoothed bass + Ponyfish (Slipmouth) + Bombay-duck + Conger eel + Red snapper + Lizard fish + Sillago-whittings + Monocle bream + Emperors (Scavengers) + Spadefish + Snapper + Catfish eel + False trevally + Snapper	Callyodon spp./Thalassoma spp. Upeneus spp. Drepane punctata Caesio erythrogaster/C. chrysona Siganus spp. Tachysurus spp./Arius spp/ Osteogenius spp. Sciaeria spp/Johnius spp/ Otolithus spp/Otolithoides spp. Promadasys spp. Abalistes stellaris Lutianus johni Spilotichthyhs picfus Gerres filamentosus/G. abbreviatus Epinephelus spp/Plectropomus spp. Nemipterus spp Pristipomoides typus Leiognathus spp/Gazz spp/ Secutor spp. Harpodon nehereus Muraenesox sp. Lutianus argentimaculatus/ L. malabaricus Sauride spp. Sillago sihama/S. maculata Scolopsis spp. Lethrinus spp. Ephippus orbis Lutianus vitta/L. lineolatus Plotosus spp Lactarius lactarius Lutianus russelli
34 Jacks,	34 Jacks, Mullets, Sauries, etc.	Aji-aji Alu-alu/Kacang-kacang Aruan Tasek Bawal hitam Bawal putih Bawal tambak Bawal selatan Belanak/Kedera Cermin/Sagai/Cupak Cincaru Demudok/Rambai Gerong-gerong Kurau/Senangin/Senohong Kerepoh Lolong Mata Besar/Selar Pisang-pisang Selar/Pelata Selar Kuning Selayang/Curut Talang	+ Amberjack + Barracuda + Black kingfish 0 Black pomfret 0 Silver pomfret 0 Chinese pomfret 0 Small pomfret 0 Mullet + Horse mackerel (Trevally) 0 Hardtail scad + Horse mackerel (Trevally) + Golden trevally 0 Threadfin 0 Horse mackerel (Trevally) 0 Ox-eye scad 0 Big-eye scad 0 Rainbow runner 0 Selar scad 0 Yellow striped trevally 0 Round scad 0 Queenfish (Leatherskin)	Seriola nigrifasciata Sphyræna jello/S. optusa Rachycentron canadus Formio niger Pampus argenteus Pampus chinensis Pampus spp. Liza spp/valamugil spp. Alectis indica/Caranx spp. Megalaspis Cordyla Carangoides spp. Caranx speciosus Polynemus spp/Eleutheronema tetradactylum Caranx sexfasciatus Selar boops Selar crymenophthalmus Elagatis bipinnulatus Selar spp. Selaroides leptolepis Decapterus maruadis/D. macrosoma Scomberoides commersonianus

ISSCAAP Division	Group	Local Name	English Name	Scientific Name
	35 Herrings, Sardines, Anchovies, etc.	Tamban sisek Tamban buluh/T. Bulat Bilis Parang-parang Bulan-bulan	0 Fringescale sardinella 0 Rainbow sardine 0 Anchovy 0 Dorab wolf-herring + Indo-Pacific tarpon	<i>Sardinella fimbriata</i> <i>Dussumieria acuta</i> <i>Stolephorus</i> spp. <i>Chirocentrus dorab</i> <i>Megalops cyprinoides</i>
	36 Tunas, Bonitos, Billfishes, etc.	Aya/Kayu/Tongkol hitam Aya/Kayu/Tongkol kurik Aya/Kayu/Tongkol/Selasih Layaran/Mersuji Tenggiri	0 Longtail tuna 0 Kawakawa (eastern little tuna) 0 Frigate tuna 0 Sailfish/Black and Blue marlin 0 Spanish mackerel	<i>Thunnus tonggol</i> <i>Euthynnus affinis</i> <i>Auxis thazard</i> <i>Istiophorus</i> spp./ <i>Makaira</i> spp. <i>Scomberomorus</i> spp.
	37 Mackerels, Snoeks, Cutlass, fishes, etc.	Kembong/Temenong Timah/Layor/Selayor	0 Indian mackerel + Large-head hairtail (Ribbon fish)	<i>Rastrelliger kanagurta</i> / <i>R. brachysoma</i> / <i>R. faughni</i> <i>Trichiurus lepturus</i>
	38 Sharks, Rays, Chimaeras, etc.	Yu Pari	+ Shark + Ray	<i>Galeorhinidae</i> <i>Gymnura</i> spp./ <i>Dasyatis</i> spp
	49 Miscellaneous marine fishes	Ikan Baja Ikan Campur	+/0 Trash fish +/0 Mixed fishes	Mixed spp. Mixed spp.
4 Crustaceans	42 Sea spiders, Crabs, etc.	Ketam laut/ Ketam Renjong Ketam batu	Mud crab	<i>Portunus pelagicus</i> <i>Scylla serrata</i>
	43 Lobsters, Spiny rock lobsters, etc.	Udang karang Udang lobak	Spiny lobster Slipper lobster	<i>Panulirus polyhagus</i> <i>Thenus orientalis</i>
	45 Shrimps, Prawns, etc.	Udang putih/Udang kaki merah/Udang susu Udang harimau Udang pasir/Udang pasir Kepala besar Udang putih kecil Udang kuning Udang merah ros/ Udang ekor biru Udang kulit keras Udang minyak/Udang minyak jalur Udang merah	Banana prawn/Western king prawn Giant tiger prawn/ Green tiger prawn Sand prawn Small white prawn Yellow prawn Pink prawns/Greasyback prawns Rainbow prawn Sharp-rostrum prawn Red prawn	<i>Penaeus merguensis</i> / <i>P. indicus</i> / <i>P. latissulcatus</i> <i>Penaeus monodon</i> / <i>P. semisulcatus</i> <i>Metapenaeopsis stridulans</i> & <i>M. barbeensis</i> / <i>Trachypenaeus fulvus</i> <i>Metapenaeus lysianassa</i> <i>Metapenaeus brevicornis</i> <i>Metapenaeus affinis</i> / <i>M. ensis</i> / <i>M. intermedius</i> <i>Parapenaeopsis sculptilis</i> <i>Parapenaeopsis hardwickii</i> / <i>P. coromandelica</i> / <i>P. hungerfordi</i> / <i>P. gracillima</i> <i>Solenocera subnuda</i>
5 Molluscs	53 Oysters	Tiram	Rock oysters/Flat oysters	<i>Ostrea folium</i> / <i>Crassostrea</i> spp.
	54 Mussels	Kupang/Siput sudu Siput cangkul	Green mussel Sea-Green mussel	<i>Perna viridis</i> <i>Glaucanome</i> spp.
	56 Clams, Cockles, Arkshells, etc.	Kerang Retak seribu Lain-lain siput	Blood cockle Carpet clam Other clams/Snails	<i>Anadara granosa</i> <i>Paphia undulata</i> Bivalves/Gastropods
	57 Squids, Cuttlefishes, Octopuses, etc.	Sotong biasa/cumit-cumit Sotong katak Sotong kereta	Common squid Cuttlefish Octopus	<i>Loligo</i> spp. <i>Sepia</i> spp. Octopodidae
7 Miscellaneous Aquatic animals	75 Sea-urchins, Sea-succumbers and other echinoderms	Trepang	Sea cucumbers (Bache-de-mer)	<i>Holothuriodea</i>
	76 Miscellaneous Aquatic invertebrates	Ubur-ubur	Jelly fish	<i>Rhopilema</i> spp.

NOTES:

+ = Demersal finfishes

0 = Pelagic finfishes

+/0 = Trash fish/Mixed fishes of trawl, portable traps, barrier, push/scoop, stationary traps, handlines and other seines are considered demersal.

+/0 = Trash/fish/Mixed fishes of purse seines (fish and anchovy) drift/gill nets and lift nets are considered pelagic.

KLASIFIKASI PERANGKAAAN PIAWAIAAN IKAN-IKAN
AIRTAWAR MALAYSIA
STANDARD STATISTICAL CLASSIFICATION
OF COMMON MALAYSIAN FRESHWATER FISHES

ISSCAAP		Local Name	English Name	Scientific Name
DIVISION	GROUP			
1. Freshwater Fishes	11 Carps, Barbs	Tengas	Carp	<i>Acrossocheilus hexagonolepis</i>
		Kap Kepala Besar	Big Head Carp	<i>Aristichthys nobilis</i>
		Ikan Mas	Edible Gold Fish	<i>Carassius auratus</i>
		Kap Lumpur	Mud Carp	<i>Cirrhina molitorella</i>
		Kap Rumput	Grass Carp	<i>Ctenopharyngodon idellus</i>
		Temperas	Carp	<i>Cyclocheilichthys apogon</i>
		Lee Koh	Common Carp	<i>Cyprinus Carpio</i>
		Selimang Batu	Carp	<i>Epbalzeorthynchus kalopteris</i>
		Sebarau	Carp	<i>Hampala macrolepidota</i>
		Kap Perak	Silver Carp	<i>Hypophthalmichthys molitrix</i>
		Pucuk Pisang	Carp/Barb	<i>Labiobarbus fasciatus</i>
		Lomah	Carp/Barb	<i>Labiobarbus ocellatus</i>
		Jelawat	River Carp	<i>Leptobarbus hoevenii</i>
		Jenkua	Carp	<i>Morulus chrysophekadion</i>
		Kap Hitam	Black Carp	<i>Mylopharyngodon piceus</i>
		Sia	Carp	<i>Mystacoleucus marginatus</i>
		Terbol	Carp	<i>Osteochilus hasseltii</i>
		Lallang	Carp	<i>Oxygaster anomala</i>
		Bulu Ayam	Carp	<i>Oxygaster spp.</i>
		Temoleh, Temelian	Giant River Carp	<i>Probarbus jullieni</i>
		Putih, Tebal Sisek	Common Barb	<i>Puntius binotatus</i>
		Tengalan	Carp/Barb	<i>Puntius bulu</i>
		Kerai Kunyit	Carp/Barb	<i>Puntius daruphani</i>
		Lampam Jawa	Javanese Carp	<i>Puntius gonionotus</i>
		Bagoh	Spanner Barb	<i>Puntius lateristriga</i>
		Lampam Sungai	River Carp	<i>Puntius schwartzei</i>
		Susur Batang	Rasbora	<i>Rasbora einthovenii</i>
		Seluang	Two-spot Rasbora	<i>Rasbora elegans</i>
		Kelah	River Carp	<i>Tor tambroides</i>
	12 Cichlids	Tilapia	Tilapia	<i>Tilapia mossambica</i>
	13 Miscellaneous freshwater fishes	Puyu	Climbing Perch	<i>Anabas tertudineus</i>
		Tuna	River Eel	<i>Anquilla bicolor/A. nebulosa</i>
		Kepala Timah	White Spot	<i>Aplocheilichthys panchax</i>
		Lali-lali	Loach	<i>Botia spp.</i>
		Keli	Freshwater Catfish	<i>Clarias batrachus/C. macrocephalus</i>
		Limbat	Freshwater Catfish	<i>Clarias nieuhofii</i>
		Belut	Swamp Eel	<i>Fluta alba</i>
		Temakang	Kissing Gourami	<i>Helostoma temminckii</i>
		Susoh Batu	Loach	<i>Homaloptera spp.</i>
		Baug	River Catfish	<i>Mystus nemurus</i>
		Tengku Lolah	River Catfish	<i>Mystus wyckii</i>
		Belida	Feather back	<i>Notopterus notopterus</i>
		Kalui	Giant Gourami	<i>Osphronemus goramy</i>
		Bujuk	Snake Head	<i>Ophicephalus lucius</i>
		Toman	Snake Head	<i>Ophicephalus micropeltes</i>
		Haruan	Snake Head	<i>Ophicephalus striatus</i>
		Ketutu	Goby	<i>Oxyeleotris marmoratus</i>
		Lawang	River Catfish	<i>Pangassius micronemus</i>
		Patin	River Catfish	<i>Pangassius pangassius</i>
		Kepar, Patong	Perch	<i>Pristigaster fasciatus</i>
		Kelesa	Scleropages	<i>Scleropages formosus</i>
		Sepat Siam	Snakeskin Gouramy	<i>Trichogaster pectoralis</i>
		Sepat Padi	Two-spot Gouramy	<i>Trichogaster trichopterus</i>
		Tapah	Giant River Catfish	<i>Wallago spp.</i>
4 Crustaceans	41 Freshwater Crustaceans	Udang Galah	Giant Freshwater Prawn	<i>Macrobrachium rosenbergii</i>