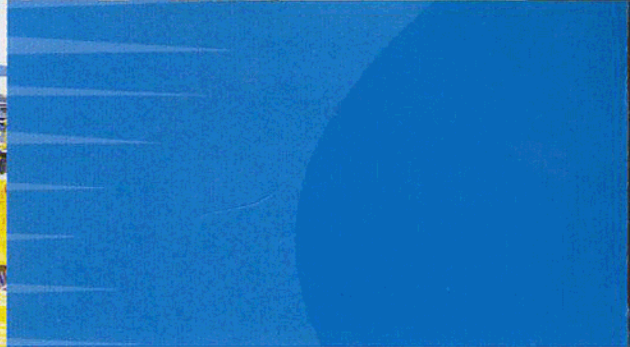




PERANGKAAN TAHUNAN PERIKANAN

ANNUAL FISHERIES STATISTICS

**JILID 1
1967**



JABATAN PERIKANAN MALAYSIA

Cawangan Pengutipan Data, Tingkat 7, Blok 4G2, Wisma Tani,
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KEMENTERIAN PERTANIAN DAN SHARIKAT KERJASAMA
(Ministry of Agriculture and Co-operatives)

MALAYSIA

BAHAGIAN PERIKANAN
(Fisheries Division)

PERANGKAAH TAHUNAN
(Annual Statistics)

1967

PENGARAH PERIKANAN
MALAYSIA
KUALA LUMPUR

FISHERIES STATISTICS 1967 - WEST MALAYSIA

APPENDIX I		Monthly Landings of Marine Fish by States.
APPENDIX II		Monthly Landings of Marine Fish by Gear Groups.
APPENDIX III		Total Landings of Marine Fish by Month and Types of Fish.
APPENDIX IV		Total Landings of Marine Fish by Gear Groups and States.
APPENDIX V		Total Landings of Marine Fish by States and Types of Fish.
APPENDIX VI		Total Landings of Marine Fish by Gear Groups and Types of Fish.
APPENDIX VII		Monthly Average Market Retail Prices of Fresh Fish.
APPENDIX VIII		Retail Market Values of Landings of Marine Fish.
APPENDIX IX		Statement of Fresh Fish Supplies.
APPENDIX X		Number of Fishermen and Number of Fishing Boats Licensed.
APPENDIX XI		Fishing Gears Licensed.
APPENDIX XIA		Estimated Fishing Gears in Operation.
APPENDIX XII		Fisheries Revenue.
APPENDIX XIII		Training of Fishermen and Fish Farmers.
APPENDIX XIV		Number of Fish Ponds.
APPENDIX XV		Fish Fry Production by Stations.
APPENDIX XVI		Distribution of Freshwater Fish Fry by Types.
APPENDIX XVII		Ice Factories and Refrigeration Facilities.
APPENDIX XVIII		Exports of Fish, Crustacea, Molluscs and Fish Products 1963 - 1967.
APPENDIX XIX		Imports of Fish, Crustacea, Molluscs and Fish Products 1963 - 1967.
APPENDIX XX		Processed Marine Fish Products by States.

WEST MALAYSIA
MONTHLY LANDINGS (IN PICULS) OF MARINE FISH IN 1967
BY STATES

APPENDIX I
(LAM-IRAN I)

STATES	January	February	March	April	May	June	July	August	September	October	November	December	TOTAL	
													Piculs	Tons
Perlis	7,152	8,230	18,435	14,508	8,086	8,938	8,057	5,553	4,622	4,391	5,737	4,528	98,237	5,847.4
Kedah	32,254	60,906	104,164	67,364	55,867	52,106	33,555	30,598	27,454	29,035	32,609	36,396	562,308	33,470.7
Penang	36,171	37,053	43,743	47,533	57,438	48,008	45,635	38,068	43,885	39,345	34,277	34,439	505,595	30,094.9*
Perak	114,394	106,842	112,261	139,140	166,684	165,770	160,278	166,759	155,780	140,572	152,504	173,141	1,754,125	104,412.2
Selangor	63,247	74,880	77,146	79,398	81,562	76,323	75,123	74,709	66,844	61,858	60,317	60,666	852,073	50,718.6
Negeri Sembilan	722	758	765	756	702	790	698	684	685	683	684	665	8,592	511.4
Malacca	2,015	2,193	2,398	2,526	2,110	2,296	2,302	2,166	2,359	2,282	2,316	2,506	27,469	1,635.1
Kelantan	3,980	5,424	10,183	15,042	14,154	12,371	12,459	13,779	14,247	10,685	4,937	740	118,001	7,023.9
Trengganu	7,781	14,360	26,098	48,650	49,392	46,431	40,092	47,028	47,480	33,707	18,679	8,239	387,937	23,091.5
Pahang	790	2,794	3,982	6,834	7,437	10,452	13,699	16,701	19,491	19,553	6,758	2,002	110,493	6,577.0
Johore-East	19,976	19,446	23,052	38,337	37,740	36,137	36,075	40,735	39,820	32,568	24,529	18,494	366,909	21,839.8
Johore-West	22,258	21,221	20,645	21,485	23,856	24,744	26,325	26,960	26,143	24,768	21,429	19,605	279,439	16,633.3
TOTAL-PICULS	310,740	354,107	442,872	481,573	505,028	484,366	454,298	463,740	448,810	399,447	364,776	361,421	5,071,178	
" -TONS	18,496.4	21,077.8	26,361.4	28,665.1	30,061.2	28,831.3	27,041.5	27,603.6	26,714.9	23,776.6	21,712.9	21,513.1	= 301,855.8*	

* Including 1,147.30 tons of Oceanic tuna, marlin, swordfish and other fishes.

Note: 1 ton = 16.8 piculs.

FISH LANDINGS IN WEST MALAYSIA - 1967

BY GEAR GROUPS AND BY STATES

TYPES OF GEAR	Perlis	Kedah	Penang	Perak	Selangor	Negeri Sembilan	Malacca	Kelantan	Trengganu	Pahang	Johore	TOTAL	
												Piculs	Tons
Fishing Stakes (Large)	29,261	-	1,558	36,777	12,392	-	1,686	-	-	3,621	126,986	212,281	12,635.8
Fishing Stakes (Small)	9,790	68,035	7,563	31,180	2,050	18	1,264	-	-	378	14,130	134,408	8,000.5
Seine Nets	53,472	350,798	287,454	762,454	69,128	438	268	20,564	144,260	18,540	62,974	1,770,350	105,378.0
Drift Nets	3,304	10,686	34,356	77,112	60,652	3,934	19,494	7,361	78,118	21,523	74,835	391,375	23,296.1
Lift Nets	-	1,291	60	4,921	945	-	-	62,933	69,804	30,409	98,813	269,176	16,022.4
Push Nets	-	-	11,916	10,204	8,512	-	414	1,173	-	-	-	32,219	1,917.8
Bag Nets	-	545	14,409	119,095	113,055	-	-	-	-	147	121,253	368,504	21,934.7
Barrier Nets	-	-	-	-	6,044	8	258	-	-	10	23,579	29,899	1,779.7
Hooks & Lines	1,036	7,165	51,221*	54,599	35,527	3,809	4,020	7,919	50,980	19,862	60,833	296,971	17,676.8
Traps & Pots	952	2,601	23,353	28,142	-	68	65	9,373	18,747	3,121	16,713	103,135	6,139.0
Shellfish	-	3,027	256	436,979	9,645	-	-	-	-	-	-	449,907	26,780.2
Miscellaneous	422	222	1,752	12,383	3,589	317	-	1,328	9,423	992	6,043	36,471	2,170.9
Trawl Nets	-	117,938	71,697	180,279	530,534	-	-	7,350	16,605	11,890	40,189	976,482	58,123.9
TOTAL - PICULS	98,237	562,308	505,595	1,754,125	852,073	8,592	27,469	118,001	387,937	110,493	646,348	5,071,178	
TOTAL - TONS	5,847.4	33,470.7	30,094.9*	104,412.2	50,718.6	511.4	1,635.1	7,023.9	23,091.5	6,577.0	38,473.1		= 301,855.8*

* Including 1,147.30 tons of Oceanic tuna, marlin, swordfish and other fishes.

Note: One ton = 16.8 piculs.

FISH LANDINGS IN WEST MALAYSIA - 1967

BY GEAR GROUPS AND BY STATES

TYPES OF GEAR	Perlis	Kedah	Penang	Perak	Selangor	Negeri Sembilan	Malacca	Kelantan	Trengganu	Pahang	Johore	TOTAL	
												Piculs	Tons
Fishing Stakes (Large)	29,261	-	1,558	36,777	12,392	-	1,686	-	-	3,621	126,986	212,281	12,635.8
Fishing Stakes (Small)	9,790	68,035	7,563	31,180	2,050	18	1,264	-	-	378	14,130	134,408	8,000.5
Seine Nets	53,472	350,798	287,454	762,454	69,128	438	268	20,564	144,260	18,540	62,974	1,770,350	105,378.0
Drift Nets	3,304	10,686	34,356	77,112	60,652	3,934	19,494	7,361	78,118	21,523	74,835	391,375	23,296.1
Lift Nets	-	1,291	60	4,921	945	-	-	62,933	69,804	30,409	98,813	269,176	16,022.4
Push Nets	-	-	11,916	10,204	8,512	-	414	1,173	-	-	-	32,219	1,917.8
Bag Nets	-	545	14,409	119,095	113,055	-	-	-	-	147	121,253	368,504	21,934.7
Barrier Nets	-	-	-	-	6,044	8	258	-	-	10	23,579	29,899	1,779.7
Hooks & Lines	1,036	7,165	51,221*	54,599	35,527	3,809	4,020	7,919	50,980	19,862	60,833	296,971	17,676.8
Traps & Pots	952	2,601	23,353	28,142	-	68	65	9,373	18,747	3,121	16,713	103,135	6,139.0
Shellfish	-	3,027	256	436,979	9,645	-	-	-	-	-	-	449,907	26,780.2
Miscellaneous	422	222	1,752	12,383	3,589	317	-	1,328	9,423	992	6,043	36,471	2,170.9
Trawl Nets	-	117,938	71,697	180,279	530,534	-	-	7,350	16,605	11,890	40,189	976,482	58,123.9
TOTAL - PICULS	98,237	562,308	505,595	1,754,125	852,073	8,592	27,469	118,001	387,937	110,493	646,348	5,071,178	
TOTAL - TONS	5,847.4	33,470.7	30,094.9*	104,412.2	50,718.6	511.4	1,635.1	7,023.9	23,091.5	6,577.0	38,473.1		= 301,855.8*

* Including 1,147.30 tons of Oceanic tuna, marlin, swordfish and other fishes.

Note: One ton = 16.8 piculs.

WEST MALAYSIA

(APPENDIX VII)
LAMPIRAN VII

MONTHLY AVERAGE RETAIL MARKET PRICES OF FRESH FISH IN 1967

(Price in \$ per katty)

TYPES OF FISH	January	February	March	April	May	June	July	August	September	October	November	December	Average for 1967
Kurau (cut)	\$2.55	\$2.60	\$2.45	\$2.35	\$2.37	\$2.23	\$2.36	\$2.38	\$2.64	\$2.61	\$2.58	\$2.62	\$2.48
Senangin	1.76	1.75	1.78	1.73	1.81	1.87	1.80	1.77	2.15	2.10	2.14	1.89	1.88
Bawal Puteh	2.21	2.20	2.37	2.24	2.09	2.12	2.08	2.06	2.20	2.22	2.20	2.17	2.18
Bawal Hitam	1.49	1.46	1.46	1.40	1.36	1.37	1.41	1.40	1.74	1.40	1.44	1.46	1.45
Tenggiri	1.48	1.37	1.27	1.24	1.30	1.34	1.34	1.30	1.29	1.25	1.22	1.29	1.31
Parang2	1.39	1.28	1.26	1.11	1.13	1.20	1.18	1.17	1.21	1.19	1.17	1.20	1.21
Chincharu	.82	.76	.74	.67	.63	.60	.55	.52	.56	.51	.48	.56	.62
Kembong	.64	.65	.53	.35	.40	.40	.37	.29	.36	.38	.38	.33	.42
Terubok	1.33	1.32			-	No prices collected				-			1.32
Kedera	.59	.56	.75	.47	.50	.57	.47	.39	.49	.44	.46	.41	.51
Merah (cut)	.96	.96	.79	.80	.72	.70	.70	.67	.66	.65	.65	.68	.74
Yu (cut)	.49	.47			-	No prices collected				-			.48
Pari (cut)	.46	.45			-	No prices collected				-			.45
Gelama	.48	.47	.49	.49	.45	.51	.45	.40	.49	.40	.39	.44	.45
Selar	No prices collected		.77	.68	.59	.71	.70	.62	.69	.65	.56	.59	.66
Tamban	.39	.38	.33	.31	.30	.32	.31	.29	.32	.30	.31	.30	.32
Prawns (Large)	2.44	2.52	2.39	2.22	2.22	2.26	2.15	2.23	2.08	2.33	2.35	2.27	2.29

Note: Average Prices in Penang, Ipoh, Kuala Lumpur and
Malacca Markets.

WEST MALAYSIA

RETAIL MARKET VALUES OF LANDINGS OF MARINE FISH IN 1967

STATES	GRADE I		GRADE II		GRADE III		OCEANIC TUNA AND OTHER FISHES		MANURE FISH		SHELLFISH		TOTAL	
	Piculs	\$	Piculs	\$	Piculs	\$	Piculs	\$	Piculs	\$	Piculs	\$	Piculs	\$
Perlis	3,186	512,946	14,456	896,272	76,763	3,224,046	-	-	3,832	19,160	-	-	98,237	4,652,424
Kedah	16,622	2,676,142	46,736	2,897,632	445,525	18,712,050	-	-	50,398	251,990	3,027	21,189	562,308	24,559,003
Penang	64,134	10,335,234	96,764	5,999,368	262,524	11,026,008	19,274	1,388,286	62,583	312,915	256	1,792	505,595	29,063,603
Perak	84,872	13,664,392	223,400	13,850,800	770,899	32,377,758	-	-	237,975	1,189,875	436,979	3,058,853	1,754,125	64,141,678
Selangor	62,596	10,077,956	209,823	13,009,026	287,916	12,092,472	-	-	282,093	1,410,465	9,645	67,515	852,073	36,657,434
Negeri Sembilan	5,680	914,480	639	39,618	2,273	95,466	-	-	-	-	-	-	8,592	1,049,564
Malacca	17,044	2,744,084	1,796	111,352	6,493	272,706	-	-	2,136	10,680	-	-	27,469	3,138,824
Kelantan	16,951	2,729,111	7,807	484,034	93,243	3,916,206	-	-	-	-	-	-	118,001	7,129,354
Trengganu	37,780	6,082,580	45,458	2,818,396	295,386	12,406,212	-	-	9,313	46,565	-	-	387,937	21,353,754
Pahang	15,467	2,490,187	12,145	752,990	72,751	3,055,542	-	-	10,130	50,650	-	-	110,493	6,349,364
Johore-East	29,306	4,718,266	52,269	3,240,678	202,437	8,502,354	-	-	82,967	414,835	-	-	366,909	16,876,134
Johore-West	52,877	8,513,197	38,872	2,410,064	143,565	6,029,730	-	-	44,055	220,275	-	-	279,439	17,173,264
TOTAL	406,575	65,458,575	750,165	46,510,230	2,659,775	111,710,550	19,274	1,388,286	785,482	3,927,410	449,907	3,149,349	5,071,178	232,144,404

Note: (1) Grade I includes bawal (puteh and hitam), jenahak, kerapu, merah, parang2, senangin, tenggiri and udang galah.

Grade II " alu2, chermin, chincharu, delah, demudok, gerong2, gerut2, kachi, kerepoh, pelata, puput, remong, selar, shrumbu, terubok, udang, sotong and ketam.

Grade III " aya, aruan tasek, bilis, belanak (kedera), biji nangka, daun bahru, duri, gelama, jebong, kembong, kerisi, kerisi bali, malong, pari, selangat, selar kuning, selar puchat, selayang, semilang, talang, tamban, timah, udang baring, yu and ikan champor.

(2) Grade I price at \$1.61 per katty is calculated from the average prices of bawal (puteh and hitam), kurau (cut), merah (cut), parang2, senangin and tenggiri.

Grade II " " 62 cents per katty is the average price of chincharu.

Grade III " " 42 cents per katty is calculated from the average prices of belanak (kedera), gelama, kembong, and tamban.

Oceanic Tuna and Other Fishes price at \$72.03 per picul or \$1,210.10 per ton.

(3) The average prices for Grades I, II and III are calculated from prices collected twice weekly :-

(a) in Penang and Malacca by Fisheries Division.

(b) in Ipoh by Market Authorities, and

(c) in Kuala Lumpur by Federal Agricultural Marketing Authority.

(4) Prices for Manure Fish and Shellfish are estimated.

WEST MALAYSIA
STATEMENT OF FRESH FISH SUPPLIES - 1967

APPENDIX IX
(LAMPIRAN IX)

FRESH FISH	Perlis	Kedah	Penang	Perak	Selangor	Negeri Sembilan	Malacca	Kelantan	Trengganu	Pahang	Johore	TOTAL
	Piculs	Piculs	Piculs	Piculs	Piculs	Piculs	Piculs	Piculs	Piculs	Piculs	Piculs	Piculs
Total Production	98,237	562,308	505,595	1,754,125	852,073	8,592	27,469	118,001	387,937	110,493	646,348	5,071,178
Less processed into:												
Salted/Dried	-	156,396	52,382	84,025	39,926	-	1,117	16,550	107,238	19,889	820	478,343
Boiled Fish	-	-	-	175,211	-	-	-	-	-	-	-	175,211
Buat Baja	-	19,857	28,258	117,975	256,357	-	-	-	7,650	1,197	31,927	463,221
Belachan	-	-	10,900	45,133	18,337	-	376	-	5,067	-	19,967	99,780
Dried Prawns	-	407	6,467	45,267	52,347	-	20	-	-	-	-	104,508
Total Processed	-	176,660	98,007	467,611	366,967	-	1,513	16,550	119,955	21,086	52,714	1,321,063
Balance of Production	98,237	385,648	407,588	1,286,514	485,106	8,592	25,956	101,451	267,982	89,407	593,634	3,750,115
Add Imports from: *												
Singapore												16,615
Indonesia												22,394
Other Sources												373,145
Total Imports *												412,154
Gross available supplies												4,162,269
Less Exports to: *												
Singapore												662,575
Other Destinations												171,142
Total Exports *												833,717
Net available supplies												3,328,552 (198,128.1 tons)

* Source - Department of Statistics, West Malaysia.

(LAMPIRAN X)

FISHERMEN - 1967

RACE	Perlis	Kedah	Penang	Perak	Selangor	Negeri Sembilan	Malacca	Kelantan	Trengganu	Pahang	Johore	TOTAL
Malays	1,340	3,832	1,767	1,581	584	131	720	4,097	10,582	2,400	7,799	34,833
Chinese	204	1,268	3,453	9,672	5,969	280	921	-	-	126	4,509	26,402
Indians	-	29	104	46	20	13	-	-	-	-	-	212
Others	597	17	30	-	-	-	59	-	-	3	-	706
TOTAL	2,141	5,146	5,354	11,299	6,573	424	1,700	4,097	10,582	2,529	12,308	62,153

WEST MALAYSIAFISHING BOATS LICENSED - 1967

TYPES OF BOATS	Perlis	Kedah	Penang	Perak	Selangor	Negeri Sembilan	Malacca	Kelantan	Trengganu	Pahang	Johore	TOTAL
Non - Powered	395	899	423	1,022	351	89	136	609	760	157	2,363	7,204
Powered - Outboard	96	270	667	362	92	27	129	82	29	71	1,062	2,887
Inboard	145	363	568	2,401	2,138	85	460	597	1,423	395	1,570	10,145
TOTAL:	636	1,532	1,658	3,785	2,581	201	725	1,288	2,212	623	4,995	20,236

APPENDIX XI
(LAMPIRAN XI)

WEST MALAYSIA
FISHING GEARS LICENSED - 1967

GEARS	Perlis	Kedah	Penang	Perak	Selangor	Negeri Sembilan	Malacca	Kelantan	Trengganu	Pahang	Johore	TOTAL
1. Fishing Stakes (Large)	-	-	-	12	5	-	7	-	-	10	407*	441
2. Fishing Stakes (Small)	-	37	24	97	7	-	8	-	-	3	-	176
3. Seine Nets	87	116	266	891	18	10	13	86	126	103	154	1,870
4. Gill/Drift Nets	164	206	469	975	1,471	120	560	194	256	149	1,516	6,080
5. Lift Nets	-	47	4	29	269	-	-	88	63	18	90	608
6. Push/Scoop Nets	-	5	2	1	-	-	-	3	-	-	5	16
7. Bag Nets	-	82	233	340	150	-	-	-	-	3	340	1,148
8. Barrier Nets	-	4	-	3	15	2	5	-	-	-	96	125
9. Lines	12	29	125	161	151	1	26	-	-	234	99	838
10. Traps & Pots	5	22	46	103	6	2	3	118	73	20	82	480
11. Shellfish	-	-	-	189	26	-	-	-	-	-	7	222
12. Miscellaneous	-	4	5	120	33	12	-	-	1	-	-	175
13. Trawl Nets	-	117	48	15	-	-	-	-	-	-	-	180
TOTAL:	268	669	1,222	2,936	2,151	147	622	489	519	540	2,796	12,359

MSA/SHA.

Note: * Large and small.

WEST MALAYSIA
ESTIMATED FISHING GEARS IN OPERATION - 1967

APPENDIX XI A
(LAMPIRAN XI A)

Type of Gears	Perlis	Kedah	Penang	Perak	Selangor	Negeri Sembilan	Malacca	Kelantan	Trengganu	Pahang	Johore	Total
1. Fishing Stakes (Large)	6	-	6	21	8	-	10	-	-	14	269	334
2. Fishing Stakes (Small)	17	47	32	84	3	1	10	-	-	3	128	325
3. Seine Nets	70	163	220	682	86	11	14	33	102	137	192	1,710
4. Gill/Drift Nets	128	201	416	663	854	60	439	158	244	120	1,160	4,443
5. Lift Nets	-	27	10	31	25	-	-	56	64	15	55	283
6. Push/Scoop Nets	-	-	124	37	52	-	169	38	-	-	-	420
7. Bag Nets	-	11	93	246	203	-	-	-	-	2	347	902
8. Barrier Nets	-	-	-	-	20	1	1	-	-	1	104	127
9. Lines	21	80	223	296	292	62	111	143	664	186	812	2,890
10. Traps & Pots	8	20	31	43	-	2	2	33	53	18	75	285
11. Shellfish	-	17	10	211	13	-	-	-	-	-	-	251
12. Miscellaneous	32	19	59	190	146	10	-	294	168	42	326	1,286
13. Trawl Nets	-	47	27	174	621	-	-	55	63	53	59	1,099
TOTAL:-	282	632	1,251	2,678	2,323	147	756	810	1,358	591	3,527	14,355

APPENDIX XII
(LAMPIRAN XII)

WEST MALAYSIA
FISHERIES REVENUE - 1967

STATES	STATE REVENUE					FEDERAL REVENUE					GRAND TOTAL
	Boat	Fishing	Miscellaneous	No. Plate	Total	Fisheries Sale (Fish & No. Board	Miscellaneous (Transfer & Search Fee)	Cold Rooms	Rent on Halting Bungalows	Total	
	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$	\$
Perlis	2,580.56	536.00	-	636.00	3,752.56	-	49.00	-	-	49.00	3,801.56
Kedah	5,795.22	4,226.00	-	1,532.00	11,553.22	3.00	147.00	-	-	150.00	11,703.22
Penang	8,545.25	4,329.00	-	1,658.00	14,532.25	-	336.50	-	-	336.50	14,868.75
Perak	20,539.94	8,347.00	-	3,785.00	32,671.94	12.00	346.00	-	-	358.00	33,029.94
Selangor	16,821.08	5,455.00	-	2,638.00	24,914.08	-	239.90	-	-	239.90	25,153.98
Negeri Sembilan	393.44	287.00	-	201.00	881.44	-	27.00	-	-	27.00	908.44
Malacca	2,000.42	1,541.00	-	725.00	4,266.42	3.00	110.00	-	-	113.00	4,379.42
Kelantan	3,839.22	964.00	-	1,287.00	6,090.22	-	65.00	4,788.68	-	4,853.68	10,943.90
Trengganu	8,305.75	1,455.70	0.04	2,236.85	11,998.34	-	393.70	18,936.97	385.00	19,715.67	31,714.01
Pahang	2,771.50	1,634.00	-	624.00	5,029.50	-	30.00	6,546.10	427.00	7,003.10	12,032.60
Johore	12,237.57	14,410.00	-	4,996.00	31,643.57	78.00	359.50	-	-	437.50	32,081.07
TOTAL:	83,829.95	43,184.70	0.04	20,318.85	147,333.54	96.00	2,103.60	30,271.75	812.00	33,283.35	180,616.89

MSA/ZY.

APPENDIX XIII
(LAMPIRAN XIII)

WEST MALAYSIA

TRAINING OF FISHERMEN AND FISH FARMERS - 1967

States	Number of Fishermen Trained at Marine Fisheries Schools			Number of Fish Farmers attending fish culture course at Fish Breeding Station Enggor, Perak.
	Penang	Kuala Trengganu	Total	
Perlis	2	-	2	1
Kedah	2	-	2	11
Penang	3	-	3	-
Perak	5	-	5	53
Selangor	-	-	-	10
Negeri Sembilan	2	-	2	32
Malacca	-	-	-	10
Kelantan	1	7	8	2
Trengganu	1	30	31	6
Pahang	2	5	7	17
Johore	6	3	9	29
Sarawak	4	15	19	-
Sabah	-	-	-	-
TOTAL:	28	60	88	171

Date: 29th April, 1968.

LBK/OCH/CAN.

WEST MALAYSIA
NUMBER OF FISH PONDS - 1967

APPENDIX XIV
(LAMPIRAN XIV)

S T A T E	NEW PONDS IN 1967		FISH PONDS IN OPERATION AS AT 31.12.1967	
	NUMBER	ACREAGE	NUMBER	ACREAGE
Perlis	17	.78	102	10.75
Kedah	39	7.51	596	73.28
Penang	5	.56	40	15.09
Perak	342	431.00	2,576	2,242.18
Selangor	106	122.13	841	977.60
Negeri Sembilan	313	86.88	1,314	359.51
Malacca	43	13.75	188	37.44
Kelantan	7	3.60	122	24.24
Trengganu	1	.07	65	16.10
Pahang	104	39.53	1,038	311.79
Johore	110	46.61	574	186.51
TOTAL:	1,087	752.42	7,456	4,254.49

WEST MALAYSIA

APPENDIX XV
(LAMPIRAN XV)FISH FRY PRODUCTION BY STATIONS IN 1967

Sources of Production	SPECIES OF FISH FRY											TOTAL
	Lampam Jawa	Lee Koh	Tilapia	Tilapia (Hybrid)	African Tilapia	Kalui	Temakang	Grass Carp	Big Head	Silver Carp	Adult Udang Galah	
Fish Breeding Station, Enggor, Perak.	1,143,920	105,265	2	36,185	-	-	-	-	-	-	-	1,285,372
Fish Breeding Station, Tapah, Perak.	293,877	78,965	-	8,101	-	1,144	350	-	-	-	-	382,437
Fish Breeding Station, Bukit Tinggi, Pahang.	701,127	145,662	1,225	65,830	27	59	4	5	35	628	32	914,654
Cameron Highlands	-	-	-	236	-	-	-	-	-	-	-	236
From Farmers	3,000	-	-	-	-	-	-	-	-	-	-	3,000
Purchased from Dealers	-	-	-	-	-	-	-	1,471	572	-	-	2,043
TOTAL:	2,141,924	329,912	1,227	110,352	27	1,203	354	1,476	607	628	32	2,587,742*

*Including 106 Lampam Jawa, 20 African Tilapia, 64 Tilapia and 2 Lee Koh
(all adult fish) from Bukit Tinggi Station.

Including 50 Big Head (Yearling) purchased from Dealer.

WEST MALAYSIA

DISTRIBUTION OF FRESHWATER FISH FRY IN 1967

BY TYPES OF FISH

STATES	FARMERS										STOCKING IN OPEN AND IMPOUNDED WATERS							RESEARCH AND MISCELLANEOUS PURPOSES													G. T.	
	TYPES OF FRY										TYPES OF FRY							TYPES OF FRY														
	Lampam Jawa	Lee Koh	Tilapia	Tilapia (Hybrid)	Kalui	Temakang	Grass Carp	Big Head	Silver Carp	TOTAL	Lampam Jawa	Lee Koh	Tilapia	Tilapia (Hybrid)	Big Head	Grass Carp	Temakang	TOTAL	Lampam Jawa	Lee Koh	Tilapia	Tilapia (Hybrid)	African Tilapia	Silver Carp	Big Head	Temakang	Kalui	Grass Carp	Udang Galah (Adult)	TOTAL		
Perlis	3,765	1,800	-	1,820	-	-	76	20	-	7,481	117,120	80	-	-	-	-	50	117,250	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Kedah	21,250	10,035	-	5,470	-	-	235	60	-	37,050	237,850	160	-	150	-	-	-	238,160	2,212	2,052	2	50	-	-	-	-	-	4	-	-	4,320	2
Penang	540	230	-	75	-	-	-	-	-	845	55,000	-	-	-	-	-	-	55,000	80	80	-	-	-	-	-	-	15	-	-	-	175	
Perak	581,640	164,078	-	38,706	1,125	300	-	-	-	785,849	317,440	2,085	-	-	-	-	-	319,525	236	150	60	120	20	200	30	-	-	-	-	-	816	1,1
Selangor	99,550	25,075	10	2,920	45	-	-	-	50	127,650	165,850	-	1,000	2,500	225	250	-	169,825	110	152	125	2	3	78	5	4	14	5	12	510	2	
Negeri Sembilan	116,009	44,476	-	25,222	-	-	910	217	120	186,954	22,000	-	-	-	-	-	-	22,000	6	6	6	-	2	-	-	-	-	-	-	-	20	2
Malacca	11,240	2,790	-	6,770	-	-	-	-	130	20,930	5,190	-	-	-	-	-	-	5,190	-	-	-	-	-	-	-	-	-	-	-	-	-	
Pahang	116,097	46,768	-	19,145	-	-	-	-	-	182,010	30,900	450	-	360	-	-	-	31,710	24	26	24	-	2	50	50	-	-	-	-	-	176	2
Kelantan	10,490	5,315	-	20	-	-	-	-	-	15,825	80,350	-	-	-	-	-	-	80,350	-	-	-	-	-	-	-	-	-	-	-	-	-	
Trengganu	5,750	2,750	-	475	-	-	-	-	-	8,975	43,500	-	-	-	-	-	-	43,500	-	-	-	-	-	-	-	-	-	-	-	-	-	
Johore	70,370	20,334	-	5,637	-	-	-	-	-	96,341	24,400	200	-	610	-	-	-	25,210	955	820	-	300	-	-	-	-	-	-	-	-	2,075	1
Laos	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,000	-	-	-	-	-	-	-	-	-	-	-	2,000	
Japan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20	20		
TOTAL:	1,036,701	323,651	10	106,260	1,170	300	1,221	297	300	1,469,910	1,099,600	2,975	1,000	3,620	225	250	50	1,107,720	5,623	3,286	217	472	27	328	85	4	33	5	32	10,112*	2,5	

* Including 106 Lampam Jawa, 60 Tilapia & 20 African Tilapia (all adult fish) distributed in Perak.

" 4 Tilapia (adult fish) distributed in Selangor.

" 2 Lee Koh (" ") & 50 Big Head (Yearling) distributed in Pahang.

WEST MALAYSIA

APPENDIX XVII
(LAMPIRAN XVII)

ICE FACTORIES AND REFRIGERATION FACILITIES AS AT 31.12.1967

STATE	I C E F A C T O R I E S						C O L D S T O R A G E E S T A B L I S H M E N T S			Total Storage Capacity	
	No.	Daily Production Capacity			Storage Capacity		No.	Storage Capacity			
		Tons	Blocks	Weight per block (lbs.)	Ice (Tons)	Fish (Tons)		Ice (Tons)	Fish (Tons)	Ice (Tons)	Fish (Tons)
Perlis	2	104	990	224-300	155	214	1	20	-	175	214
Kedah	4	135	1,350	224	188	39	3	210	10	398	49
Penang	7	395	3,289	224-320	724	1,885	-	-	-	724	1,885
Perak	15	414	3,710	200-340	810	1,465	14	160	453	970	1,918
Selangor	13	250	2,443	60-300	290	2,869	6	88	1,192	378	4,061
Negeri Sembilan	1	40	400	224	15	21	1	-	55	15	76
Malacca	3	115	845	300-335	170	240	-	-	-	170	240
Kelantan	8	62	762	10-224	102	84	-	-	-	102	84
Trengganu	4	55	558	100-300	26	32	5	-	141	26	173
Pahang	3	37	376	120-224	34	47	1	4	3	38	50
Johore	8	248	2,405	150-320	165	300	6	94	13	259	313
TOTAL:	68	1,855	17,128	-	2,679	7,196	37	576	1,867	3,255	9,063

WEST MALAYSIA

PROCESSED MARINE FISH PRODUCTS (IN PICULS) IN 1967 BY STATES

STATE	Salted/Dried Fish	Bilis	Boiled Fish	Dried Prawns	Belachan	Chinchalok	Manure Fish	Prawn Dust	Dried Sotong	Budu	Kerepok Ikan	Kerepok Udang
Perlis	-	-	-	-	-	-	-	-	-	-	-	-
Kedah	82,542	9,413	-	61	-	-	11,914	-	-	-	-	-
Penang	12,996	15,361	-	970	3,270	-	16,955	-	-	-	-	-
Perak	17,050	27,804	140,169	6,790	13,540	-	70,785	910	-	-	-	-
Selangor	17,962	4,994.5	-	7,852	5,501	-	205,086	2,486	-	-	-	-
Negeri Sembilan	-	-	-	-	-	-	-	-	-	-	-	-
Malacca	670	-	-	3	113	77	-	-	-	-	-	-
Kelantan	9,930	-	-	-	-	-	-	-	-	-	-	-
Trengganu	56,737	6,338	-	-	1,520	-	6,120	-	1,100	1,605	1,375	-
Pahang	10,065	1,557	-	-	-	-	718	-	-	-	-	-
Johore East	250	-	-	-	-	-	4,316	-	-	-	1,517	-
Johore West	182	50	-	-	5,990	-	14,840	-	-	-	-	224
Total-Piculs	208,384	65,517.5	140,169	15,676	29,934	77	330,734	3,396	1,100	1,605	2,892	224