K E M E N T E R I A N P E R T A N I A N D A N S H A R I K A T K E R J A S A M A

(Ministry of Agriculture and Co-operatives)

M A L A Y S I A

B A H A G I A N P E R I K A N A N

(Fisheries Division)

P E R A N G K A A N T A H U N A N

(Annual Statistics)

1 9 6 9

PENDAHULUAN

Laporan Tahunan Perangkaan ini, menunjukkan aktiviti2 tahunan Bahagian Perikanan dan di-rangkakan untuk membantu pegawai2 dalam penyelidikan saintifik dan ekonomik perikanan, perkhidmatan2 lanjutan dan lain2 badan2 perikanan tempatan dan antarabangsa. Laporan ini ada-lah terhad kepada perangkaan perikanan di-Malaysia Barat sahaja. Kebanyakan perangkaan ini ada-lah di-kutip dan di-kumpulkan oleh Bahagian ini daripada bertagai2 puncha dalam perhubungan kami mengenai perangkaan2 yang di-kumpulkan oleh lain2 Jabatan seperti Jabatan Perangkaan dan FAMA ada-lah seperti di-tunjukkan (acknowledged) dalam jadual2 yang berkenaan.

Dalam Bahagian ini ada dua puncha dari mana perangkaan ini di-perolehi. Satu puncha ia-lah daripada penyata2 yang di-hantarkan oleh Pegawai2 Perikanan negeri yang mana telah mengumpulkan penyata2 perangkaan yang di-hantarkan oleh Pembantu2 Perikanan-nya yang di-tempatkan di-daerah2 dalam tiap2 satu negeri di-Malaysia Barat. Puncha yang lagi satu itu ia-lah daripada rekod2 lesen2 perahu nelayan dan perkakas menangkap ikan yang di-simpan di-pejabat2 negeri.

Angka2 untuk puncha yang pertama ada-lah mengikut chara2 chontoh (sampling methods) dan oleh itu ada-lah tepat dalam had2 perchontohan (limit of sampling). Pembantu2 Perikanan ada-lah bertanggong jawab bagi laporan mengenai pendaratan ikan2 laut, hasil2 perikanan yang di-proseskan, dan bilangan perahu menangkap ikan dan perkakas menangkap ikan yang di-gunakan dalam daerah2 bawah jagaan mereka. Tugas utama mereka ada-lah untuk melawat kampong2 nelayan dan menemui (interview) nelayan2 yang di-pileh mengikut angka yang di-beri. Biasa-nya semasa lawatan2 ke-kampong2 nelayan ini untuk tujuan melesen dan pemeriksaan di... menanyakan kepada pengguna2 yang di-pileh mengenai bilangan perkakas menangkap yang di-gunakan dalam kampong tersebut, dan anggaran pendaratan beberapa jenis ikan dan juga harga2-nya masa pendaratan. Perangkaan boleh-lah di-perolehi dalam jadual I hingga VIII dan jadual XIVA.

Puncha yang kedua menghasilkan maalumat2 mengenai bilangan bot2 menangkap ikan, injin2, perkakas menangkap ikan, nel ayan2 dan lain ma'lumat yang di-perolehi daripada-nya. Perangkaan ini ada-lah di-perolehi daripada rekod2 melesen perahu2 nelayan dan oleh itu boleh-lah di-katakan tepat. Perangkaan yang berkenaan boleh-lah di-dapati dalam jadual XII - XIVA.

Jadual XVII ke XX menunjukkan perangkaan bagi Perikanan Darat dan ini ada-lah tergantong kepada banyak-nya kolam2 ikan dan pengeluaran benih ikan. Perangkaan2 ini ada-lah di-kumpulkan apabila penternak2 ikan datang ke-Bahagian ini untuk meminta nasihat2 teknikal dan bantuan2 kebendaan.

Jadual IX; dan X dan XA hendak-lah khas-nya di-sebutkan di-sini. Puncha datang-nya ma'lumat dalam jadual mula2 itu ia-lah dari Jabatan Perangkaan dan yang berikut-nya daripada FAMA dan oleh itu angka2 itu ada-lah tertaalok kepada sebarang pertukaran mengikut chetakan yang di-keluarkan oleh kedua2 Jabatan tersebut.

Ada-lah di-dapati bahawa keperluan untuk memperbaiki chara2 pemungutan perangkaan perikanan yang bermutu hendak-lah seterus-nya di-usahakan. Oleh hal yang demikian tegoran2 dan shor2 yang membina (constructive criticisms and suggestions) ada-lah di-persilakan dengan pandangan untuk memperbaiki bidang pengliputan (scope of coverage) dan juga menunjukkan kesilapan2 yang terdapat dalam chetakan ini.

PREFACE

This Annual Statistical Report indicates the yearly activities of the Division and is designed to assist officers in scientific and economic fisheries research; extension services and various other interested local bodies and international bodies in the field of fisheries. This report is mainly confined to the fisheries statistics in West Malaysia. Most of these statistics are collected and compiled by this Division from the various sources within our organisation; while those statistics compiled from other departments such as Statistics Department and Federal Agricultural Marketing Authority are duly acknowledged in the relevant tables.

There are two sources from which these statistics are obtained within the Division. One source being from the monthly statistical returns of our State Fisheries Officers who in turn compile their Statistical returns from those submitted by their Fisheries Assistants stationed in the various districts of each state in West Malaysia; the other being from the records of licences of fishing boats and fishing gears kept at the State Offices.

The figures for the first source are based on sampling methods and are therefore accurate within the limits of sampling. The Fisheries Assistants are responsible for the reports of marine fish landings, processed fisheries products, and the number of fishing boats and gears in operation, in districts under their supervision. Their main job is to visit fishing villages and interview samples of fishermen who are selected statistically. Usually during his visits to the fishing villages for licencing and inspection purposes he enquires on selected operators about the number of particular gears in operation in the village, and the estimated landings of different types of fish as well as their prices at the landing points. These statistics are available in table I to VIII and table XIVA.

The second source provides information on the number of fishing boats, engines, gears and fishermen and other informations obtained from them. These statistics are from the licensing of the fishing boats and are therefore considered to be accurate. The relevant statistics for this source are in tables XII - XIVA.

Table XVII to XX are statistics for Inland Fisheries and these are confined to number and acreage of fishing ponds, and supply of fish fry. These are collected when the fish farmers approach the Division for technical advice and material assistance.

Special mention should be made of tables IX; and tables X and XA. The source of the former table is the Statistics Department while the source for the latter is the Federal Agricultural Marketing Authority and therefore the figures are subject to alterations if any, with the publications of the two Departments concerned.

There is always a further need to improve upon the collection of current and basic fisheries statistics quantitatively as well as qualitatively. Therefore, all constructive criticisms and suggestions with a view to improve upon the scope of coverage as well as pointing out errors in this publication will be most welcomed.

Gan Bon Hua
PEGAWAI PERIKANAN (PERANGKAAN)

1970

CONTENTS

Table			Page
I	....	Monthly Landings of Marine Fish by States	1
II	....	Monthly Landings of Marine Fish by Gear Groups.	2
II (A-L)	....	Monthly Landings of Marine Fish by Gear Groups and States.	3
III	....	Total Landings of Marine Fish by Months and Types of Fish.	15
IV	....	Total Landings of Marine Fish by Gear Groups and States.	17
V	....	Total Landings of Marine Fish by States and Types of Fish.	18
VI	....	Total Landings of Marine Fish by Gear Groups and Types of Fish.	20
VI (A-L)	....	Total Landings of Marine Fish by Gear Groups, Types of Fish and States.	22
VII	....	Utilisation of Fresh Marine Fish.	37
VIII	....	Processed Marine Fish Products by States.	38
IX	....	Imports and Exports of Fish, Fisheries Products, Crustacea and Molluscs.	39
X	....	Monthly Average Market Retail Prices of Fresh Fish.	41
XA	....	Monthly Average Wholesale Prices of Fresh Fish.	42
XI	....	Retail Market Values of Landings of Marine Fish.	43
XIA	....	Wholesale Market Values of Landings of Marine Fish.	44
XII	....	Number of Fishermen and Fishing Boats Licensed.	45
XIII (A-D)	....	Summary of Inboard and Outboard Powered Fishing Boats by States.	46
XIV	....	Fishing Gears Licensed.	50
XIVA	....	Estimated Fishing Gears in Operation.	51
XV	....	Fisheries Revenue.	52
XVI	....	Ice Factories and Refrigeration Facilities.	53
XVII	....	Training of Fishermen and Fish Farmers.	54
XVIII	....	Number of Fish Ponds.	55
XIX	....	Fish Fry Production by Stations.	56
XX	....	Distribution of Freshwater Fish Fry by Types.	57