

**SPECIES COMPOSITION AND FOOD HABITS OF
COASTAL FISHES IN MENGABANG TELIPOT**

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COASTAL FISHES IN MENGABANG TELIPOT**

BY

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CONTENTS

CONTENTS	PAGE
TITLE	
ACKNOWLEDGEMENTS	ii
CONTENTS	iii
LIST OF TABLES	v
LIST OF FIGURES	v
LIST OF APPENDICES	v
ABSTRACT (ENGLISH)	vi
ABSTRAK (MALAY)	vii
1.0 INTRODUCTION	1
2.0 LITERATURE REVIEW	4
2.1 Fish Composition	4
2.2 Food Habits	6
2.3 Methods Used in Stomach Content Analysis	9
3.0 METHODOLOGY	12
3.1 Study Location	12
3.2 Sample Collecting	14
3.3 Sample Handling	15
3.4 Fish Species Identification	16
3.5 Diet Composition Studies	16

4.0 RESULTS	18
4.1 Species Composition	18
4.2 Food and Feeding Habits by Taxonomic Categories	24
5.0 DISCUSSION	30
5.1 Species Composition	30
5.2 Diet Composition	34
6.0 CONCLUSION	40
BIBLIOGRAPHY	41
APPENDICES	45
VITAE KURIKULUM	49

LIST OF TABLES

	PAGE
TABLE 1 : Summary of sampling data	18
TABLE 2 : Taxonomic list of all species caught in four samplings	20
TABLE 3 : List of species in descending order of abundance	22
TABLE 4: Diet composition of fishes caught in the coastal area of Mengabang Telipot	23

LIST OF FIGURE

	PAGE
FIGURE 1: Map showing the location of the sampling area.	13

LIST OF APPENDICES

	PAGE
APPENDIX 1 : Sampling first	45
APPENDIX 2 : Second sampling	45
APPENDIX 3: Third sampling	46
APPENDIX 4: Fourth sampling	47
APPENDIX 5: Illustration of common species caught in the samplings	48

ABSTRACT

This project was initiated to provide information on the species composition and diet composition of fishes in the coastal area of Mengabang Telipot, Terengganu. Four samplings were carried out from the months of July to September 1998. A total of 32 species of fish were recorded. The most abundant species caught was *Leiognathus elongatus* followed by *Sardinella gibbosa*, *Dasyatis walga*, *Sphyræna sp.*, *Alectis ciliaris*, *Leiognathus brevirostris*, *Leiognathus hindus*, *Pomadasys maculatus*, *Dasyatis kuhli*, *Gazza minuta*, *Apogon sp.*, *Caranx armatus*, *Lutjanus sp.*, *Johnius belangrii*, *Leiognathus daura*, *Sillago sp.*, *Selar sp.*, *Leiognathus smithursti*, *Scomberoides tala*, *Chirocentrus dorab*, *Carangoides sp.*, *Arius sp.*, *Megalaspis cordyla*, *Cynoglossius bilineatus*, *Selaroides leptolepis*, *Rachycentron canadas*, *Leiognathus splendens*, *Alectis indicus*, *Saurida sp.*, *Echinies naucrates*, *Siganus canaliculatus* and *Scomberomerus gutatus*.

Stomach content analysis showed that from 32 species caught, 14 species were with stomach content. Those fishes and their diet (in parenthesis) were *Leiognathus elongatus* (crab and zooplankton), *Sardinella gibbosa* (calanoid, *Lucifer sp.* and shrimp), *Sphyræna sp.* (fish), *Leiognathus hindus* (crab, annelids and shrimps), *Gazza minuta* (annelid, crab and zooplankton), *Sillago sp.* (bivalve and unidentified food item), *Selar sp.*(*Lucifer sp.*, shrimps larvae, fish larvae and unidentified food item), *Leiognathus smithursti* (zooplankton), *Scomberoides tala* (shrimps and fish larvae), *Carangoides sp.* (fish and shrimps), *Arius sp.* (*Emerita sp.* and fish) , *Megalaspis cordyla* (fish larvae), *Selaroides leptolepis* (fish larvae) and *Rachycentron canadas* (unidentified food item).

ABSTRAK

Projek ini telah dijalankan untuk membekalkan maklumat tentang komposisi spesies dan makanan bagi ikan – ikan yang mendiami kawasan pinggir pantai Mengabang Telipot, Terengganu. Penyampelan telah dilakukan sebanyak 4 kali dari bulan July hingga September 1998. Sebanyak 32 spesies ikan telah berjaya direkodkan. Spesies yang paling banyak ditangkap adalah *Leiognathus elongatus* diikuti dengan *Sardinella gibbosa*, *Dasyatis walga*, *Sphyraena sp.*, *Alectis ciliaris*, *Leiognathus brevirostris*, *Leiognathus bindus*, *Pomadasys maculatus*, *Dasyatis kuhli*, *Gazza minuta*, *Apogon sp.*, *Caranx armatus*, *Lutjanus sp.*, *Johnius belangrii*, *Leiognathus daura*, *Sillago sp.*, *Selar sp.*, *Leiognathus smithursti*, *Scomberoides tala*, *Chirocentrus dorab*, *Carangoides sp.*, *Arius sp.*, *Megalaspis cordyla*, *Cynoglossius bilineatus*, *Selaroides leptolepis*, *Rachycentron canadas*, *Leiognathus splendens*, *Alectis indicus*, *Saurida sp.*, *Echinies naucrates*, *Siganus canaliculatus* and *Scomberomerus gutatus*.

Analisis kandungan makanan dalam perut menunjukkan bahawa hanya 14 spesies sahaja yang memngandungi makanan. Ikan – ikan tersebut ialah *Leiognathus elongatus* (makanan adalah ketam and zooplankton), *Sardinella gibbosa* (calanoid, *Lucifer sp.* and udang), *Sphyraena sp.* (ikan), *Leiognathus bindus* (ketam, annelida and udang), *Gazza minuta* (annelida, ketam and zooplankton), *Sillago sp.* (bivalva and tidak dikenalpasti), *Selar sp.*(*Lucifer sp.*, larva udang, larva ikan), *Leiognathus smithursti* (zooplankton), *Scomberoides tala* (udang dan larva ikan), *Carangoides sp.* (ikan dan udang), *Arius sp.* (*Emerita sp.* dan ikan) , *Megalaspis cordyla* (larvae ikan), *Selaroides leptolepis* (larva ikan) and *Rachycentron canadas* (tidak dikenalpasti).