

THE MONSOON FISH COMPOSITION AND DISTRIBUTION IN THE BAY OF
BENGAL, INDIA

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FMSM
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2007

PRE- MONSOON FISH COMPOSITION AND DISTRIBUTION IN MENGABANG
TELIPOT, KUALA TERENGGANU, TERENGGANU

By

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Research Report submitted in partial fulfillment of
the requirement for the degree of
Bachelor of Science (Marine Biology)

Department of Marine Science

Faculty of Maritime Studies and Marine Science

UNIVERSITY MALAYSIA TERENGGANU

2007

1100054048

Laporan ini hendaklah dirujuk sebagai:

Jobley, M 2007. Pre-monsoon fish composition and distribution in Mengabang Telipot , Kuala Terengganu, Terengganu. Project Report, B.sc of Science (Marine Biology), Faculty of Maritime Studies and Marine Science, University Malaysia Terengganu (UMT), Terengganu. 35p.

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PENGAKUAN DAN PENGESAHAN

LAPORAN PROJEK PENYELIDIKAN I DAN II

Adalah ini diakui dan disahkan bahawa laporan penyelidikan bertajuk:

Pre-monsoon fish composition and distribution in Mengabang Telipot, Kuala Terengganu, Terengganu oleh Jobley Bin Malidus, No. Matrik UK 9946 telah diperiksa dan semua pembetulan yang disarankan telah dilakukan. Laporan ini dikemukakan kepada Jabatan Sains Marin sebagai memenuhi sebahagian daripada keperluan memperoleh ijazah Sarjana Muda Sains Biologi Marin, Fakulti Pengajian Maritim dan Sains Marin, Universiti Malaysia Terengganu.

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Tarikh 9 June 2007

ACKNOWLEDGEMENT

Praise to God because of His graciousness in my whole life that I can complete this project report. First of all, I want to give thanks to my supervisor and second supervisor, En. Amirrudin B Ahmad and Mr. Choo Chee Kuang for all their guidance, teachings, advices and helps that he gave to me to finish this project.

Apart from that I also like to send my thanks to all my friends for supporting me from the beginning till I finish this project. Also thanks to the Biodiversity Lab assistance, En. Mohd Zan Hussin for helping me finished this project. Without their supports and help, I don't think I can do this alone: A heartfelt thanks to Mohd Kamel Zikry Salleh, Khairul Azlan Aziz, Mohd Afiq Md Razi and Lufti Omar for helping me in finishing this project.

I also want to send million of thanks to my family for their support to me from the beginning of my study.

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LIST OF SYMBOLS

cm = centimeter

°C = centigrades

% = percentages

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ABSTRACT

The study on fish diversity was conducted at Mengabang Telipot swamp during pre-monsoon season from September to November 2006. There is a significant change on the swamp ecosystem due to increasing water level, salinity, temperature decrease and structure changing. A number of 96 individual consist 11 species were found in the study sites. Family of Mugilidae dominated that area meanwhile family of Carangidae was a rarest in that area. Marine fishes such as *Liza subviridis* and also estuarine fishes such as *Trichogaster trichopterus* were the most dominant species can be found here. Other rare species is *Glossogobius* sp. The diversity of fishes at Mengabang Telipot swamp did not show big different among species. But the distribution of species were depend on sampling location, and day night cycle.

ABSTRAK

Kajian yang di jalankan adalah untuk mengkaji kepelbagaian dan taburan ikan di kawasan paya Mengabang Telipot sebelum musim tengkujuh dan bermula dari bulan September hingga November 2006. Terdapat perubahan yang ketara pada ekosistem paya bakau seperti kenaikan paras air, salinity dan penurunan suhu serta perubahan struktur paya. Sebanyak 96 ekor ikan berjaya ditangkap dan merangkumi 11 spesis. Famili Mugilidae merupakan famili dominan di kawasan paya bakau ini manakala ikan dari famili Carangidae merupakan ikan yang paling kurang ditemui. Ikan air masin seperti *Liza subviridis* mendominasi kawasan ini manakala ikan air payau seperti *Trichogaster trichopterus* juga wujud dalam jumlah yang banyak. Manakala spesis seperti *Glossogobius* sp adalah antara spesis yang kurang ditemui. Kepelbagaian ikan di kawasan ini tidak menunjukkan perbezaan yang ketara diantara spesis yang lain. Taburan spesis adalah bergantung kepada kitaran siang dan malam serta lokasi penyampelan.