

STUDY OF MONOGENEAN PARASITES ON GILLS
OF MYSTUS NEMURUS CULTURED IN
TERENGGANU RIVER

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STUDY OF MONOGENEAN PARASITES ON GILLS OF *Mystus nemurus*
CULTURED IN TERENGGANU RIVER

By
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**FAKULTI AGROTEKNOLOGI DAN SAINS MAKANAN
UNIVERSITI MALAYSIA TERENGGANU**

**PENGAKUAN DAN PENGESAHAN LAPORAN
PROJEK ILMIAH I DAN II**

Adalah dengan ini diakui dan disahkan bahawa laporan ilmiah bertajuk:
Study of monogenea parasites on gills of *Mystus nemurus* cultured in Terengganu River oleh Nor Fadilah binti Mad Daud, No.Matrik UK14624 telah diperiksa dan semua pembedaan yang disarankan telah dilakukan. Laporan ini dikemukakan kepada Jabatan Sains Perikanan dan Akuakultur sebagai memenuhi sebahagian daripada keperluan memperolahi Ijazah Sarjana Muda Sains Agroteknologi (Akuakultur), Fakulti Agroteknologi dan Sains Makanan, Universiti Malaysia Terengganu.

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DECLARATION

I hereby declare that the work in this thesis is my own except for quotations and summaries which have been duly acknowledged.

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ABSTRACT

A study was conducted to identify the monogenean parasite species infecting *Mystus nemurus* from cage culture in Terengganu River. Samples were collected from cage culture in Terengganu River. Sampling was done four times; during monsoon season in November and after monsoon season in January. The mean intensity and prevalence of parasites infestation for both season was compared. The mean intensity in the two seasons shows a very different number where it is higher after monsoon season. The relationship between length of host fish and the number of parasites was made separately in the two seasons. In both season, the results show that the bigger the fish, more number of monogenea were found. The descriptions of the species that were made based on previous studies, suggested that this species belongs to genus *Cornudiscoides*.

ABSTRAK

Satu kajian telah dijalankan untuk mengenalpasti spesis parasit monogenea yang menjangkiti spesis *Mytus nemurus* daripada ternakan dalam sangkar di Sungai Terangganu. Sample diambil daripada ternakan sangkar di Sungai Terangganu. Penyampelan telah dilakukan sebanyak empat kali; dalam musim monsun dalam bulan November dan selepas monsun dalam bulan Januari. Purata dan kelaziman jangkitan parasit dibandingkan untuk dua musim tersebut. Purata jangkitan dalam kedua-dua musim tersebut menunjukkan perbezaan ketara di mana purata jangkitan semasa monsun lebih tinggi berbanding selepas monsun. Perkaitan antara panjang hos dan bilangan parasit dilakukan secara berasingan antara dua musim tersebut. Bagi kedua-dua musim, keputusan menunjukkan semakin besar ikan, semakin banyak bilangan monogene yang ditemui. Daripada huraian mengenai spesies yang dijumpai yang dibuat berdasarkan kajian-kajian sebelum ini, spesis ini dicadangkan berasal dari genus *Cornudiscoides*.