

DIGENETIC TREMATODES FOUND IN MARINE
FISH OF PORT DICKSON

ANITA SUBANTHI D/O KOLANDASAMY

FACULTY OF FISHERIES AND MARINE SCIENCE
UNIVERSITI PERTANIAN MALAYSIA
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BORANG PENGESAHAN DAN KELULUSAN SARANAN

Nama Pelajar : Anita Suganthi d/o Kolandasamy
No. Matrik : S 3122
Nama Penyelia : Dr. Faizah bt. Shaharom
Tajuk Projek : **Digenetic trematodes found in marine fish of Port Dickson**

Dengan ini disahkan bahawa saya telah membaca, membetulkan dan meluluskan saranan projek tersebut di atas sebagai satu projek yang boleh dijalankan di Fakulti Perikanan dan Sains Samudera pada tempoh masa yang diberikan.

Tandatangan : 

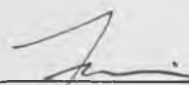
Nama Penyelia : (Dr. Faizah bt. Shaharom)

Tarikh : 12/4/96

(Kegunaan Ketua Jabatan Sahaja)

Saranan tersebut : *

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Tarikh

* potong mana yang tidak berkenaan

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**DIGENETIC TREMATODES FOUND IN MARINE
FISH OF PORT DICKSON**

**BY
ANITA SUGANTHI D/O KOLANDASAMY**

**A PROJECT REPORT SUBMITTED IN PARTIAL FULFILLMENT OF THE
REQUIREMENTS FOR THE DEGREE BACHELOR OF FISHERIES SCIENCE.**

**FACULTY OF FISHERIES AND MARINE SCIENCE
UNIVERSITY PERTANIAN MALAYSIA
SERDANG, SELANGOR
1996**

1000383002

SPECIALLY DEDICATED TO MY LOVING PARENTS

AND TO THE MEMORY OF MY MOTHER

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Anita Suganthi d/o Kolandasamy

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ABSTRACT

A study was carried on the digenetic trematodes in marine fish from the coastal waters of Centre of Oceanography and Mariculture Study (COMAS) in Port Dickson, Negeri Sembilan. The fish examined were *Siganus canaliculatus*, *Siganus dubiosus*, *Siganus guttatus*, *Siganus javus*, *Siganus vermiculatus*, *Plectropomus maculatus* and *Epinephalus tauvina*. Parasites were stained using three types of stains namely Berland stain, Gower's carmalum and Mayer's hematoxylin. *Gyliauchen* sp. was found in all five *Siganus* species studied. Whereas, *Diplangus* sp. harboured the stomach of *Siganus guttatus* only and an unidentified digenean was found in *Siganus canaliculatus*. Two various forms of *Proisorhynchus* spp. as *Proisorhynchus* sp. A and *Proisorhynchus* sp. B were found in *Plectropomus maculatus*. *Epinephalus tauvina* was parasitized by *Allopodocotyle* sp., under Family Opecolidae and *Proisorhynchus* sp. C. The morphology of the parasites are described.

ABSTRAK

Kajian telah dijalankan terhadap trematod digenea di dalam ikan-ikan marin dari perairan pantai Centre of Oceanography and Mariculture Study (COMAS), Port Dickson, Negeri Sembilan. Ikan-ikan dikaji terdiri daripada *Siganus canaliculatus*, *Siganus dubiosus*, *Siganus guttatus*, *Siganus javus*, *Siganus vermiculatus*, *Plectropomus maculatus* dan *Epinephalus tauvina*. Parasit-parasit yang dijumpai telah diwarnakan menggunakan pewarna Berland, Gower's carmalum dan Mayer's hematoxylin. *Gyliauchen* sp. dijumpai di dalam usus kelima-lima spesis *Siganus*, manakala *Diplangus* sp. didapati secara khusus di dalam perut *Siganus guttatus* sahaja dan satu spesimen digenea yang tidak diidentifikasi didapati di dalam usus *Siganus guttatus*. Tiga spesies dari genus *Prosorhynchus* spp. yang telah ditemui, dinamakan sebagai *Prosorhynchus* sp. A, *Prosorhynchus* sp. B dan *Prosorhynchus* sp. C. *Prosorhynchus* sp. A dan *Prosorhynchus* sp. B telah dijumpai di dalam *Plectropomus maculatus*. Manakala, *Prosorhynchus* sp. C ditemui pada *Epinephalus tauvina* yang juga menjadi perumah kepada *Allopodocotyle* sp. dari Famili Opecoiledae. Deskripsi berkenaan morfologi parasit-parasit yang dijumpai telah diberikan.