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FACULTY OF MARINE STUDIES AND MARINE SCIENCE
UNIVERSITY OF ALBERTA, EDMONTON, ALBERTA

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Perpustakaan Sultanah Nur Zahirah (UMT)
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The parasites of sergent major fish (*Abudefduf saxatilis*) in
Bidong Island, Terengganu, Malaysia / Yusuf Shuaib Ibrahim.



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UNIVERSITI MALAYSIA TERENGGANU (UMT)
21030 KUALA TERENGGANU

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**THE PARASITES OF SERGEANT MAJOR FISH (*Abudefduf saxatilis*) IN
BIDONG ISLAND, TERENGGANU, MALAYSIA.**

Yusof Shuaib b. Ibrahim

**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
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**JABATAN SAINS MARIN
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UNIVERSITI MALAYSIA TERENGGANU**

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

Adalah ini diakui dan disahkan bahawa laporan penyelidikan bertajuk:

The Parasites of Sergeant Major Fish (*Abudefduf saxatilis*) in Bidong Island, Terengganu, Malaysia oleh Yusof Shuaib bin Ibrahim, No. Matrik_UK11024 telah diperiksa dan semua pembetulan yang disarankan telah dilakukan. Laporan ini dikemukakan kepada Jabatan Sains Marin sebagai memenuhi sebahagian daripada keperluan memperolehi ijazah **Sarjana Muda Sains Biologi Marin**, Fakulti Pengajian Maritim dan Sains Marin, Universiti Malaysia Terengganu.

Disahkan oleh:

.....

Penyelia Utama

Nama: Prof. Dr. Faedah bt. Shaharom

PROF. DR. FAIZAH SHAHAROM
Pegawai

Cop Rasmi: Institut Akuakultur Tropika
Universiti Malaysia Terengganu
21030 Kuala Terengganu

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I hope that this thesis will perform in ways not only for the purpose of references but also a simple readable material to be enjoyed with.

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LIST OF SYMBOLS

μm	micrometer
cm	centimeter
mm	millimeter
%	percentage
N	North
E	East

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ABSTRACT

A total number of 60 Sergeant Major (*Abudefduf saxatilis*) fishes from the family Pomacentridae were collected from Bidong Island and were diagnosed. Most all the fishes were found to be infected by parasites. The ectoparasites were the isopod from genus *Rocinela sp.* which were mainly found attached to the gill chamber meanwhile monogenea (*Pseudohaliotrema sp.*) were found clinging to the gill filaments. Two endoparasites were found which was the digenea (*Fellodistomum sp.*) and nematodes (*Cucullanus sp.*) parasitize the intestine of the fishes. The prevalence was 100% and mean intensity of the parasites of *Abudefduf saxatilis* was 16.18. The morphological characteristics of these parasites were described, illustrated and identified taxonomically.