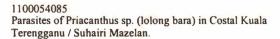
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PARASITES OF *Priacanthus sp.* (LOLONG BARA) IN COASTAL KUALA TERENGGANU

By

Suhairi Bin Mazelan

Research Report submitted in partial fulfilment of The requirements for the degree of Bachelor of Science (Marine Biology)

Department of Marine Science
Faculty of Maritime Studies and Marine Science
UNIVERSITI MALAYSIA TERENGGANU
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JABATAN SAINS MARIN FAKULTI PENGAJIAN MARITIM DAN SAINS MARIN UNIVERSITI MALAYSIA TERENGGANU

PENGAKUAN DAN PENGESAHAN LAPORAN PROJEK PENYELIDIKAN I DAN II

Adalah ini diakui dan disahkan bahawa laporan penyelidikan bertajuk:

Parasite of <u>Priacanthus sp.</u> (Lolong Bara) in Coastal Kuala Terengganu oleh Suhairi Bin Mazelan, No. Matrik UK 10987 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.

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LIST OF ABBREVIATIONS

% - Percentage

• Degree

cm - Centimetre

mm - Milimeter

μm - Mikrometer

 \approx - Almost equal to

n - Number

Stdv. - Standard deviation

 \pm - Plus minus sign

 \sum - Sum

ABSTRACT

Spotfin Bigeye, Priacanthus tayenus (Richardson, 1846) were obtained from landing port at Pulau Kambing, Kuala Terengganu were used in this study. Sampling period were from 17th July 2006 to 1st of December 2006. During that period, 50 fishes were diagnosed and examined. As a result, ten species of parasites (six species ectoparasite and four species endoparasites) were found on the fishes. Among the parasite obtained, there two types of parasites that were successfully identified up to species: 1) Pseudolernanthropus epinepheli; and ii) Lernanthropus priacanti. Four of the parasites were identified up to genus level: i) Didymozoon sp.1; ii) Didymozoon sp.2; iii) Hysterothylacium sp.; iv) Caligus sp. Only one specimen identified up to suborder level: Trypanorhyncha and as for other parasites could only be identified up to their class due to the lack of specimen collected: i) digenea; and ii) monogenea and iii) myxosporea. Larvae of Hysterothylacium sp. (nematode) were the dominant species to give infections on *Priacanthus tayenus*. This species has the highest percentage abundance with 48.5 %, and mean intensity with showed there are 3.54 (≈ 3) of parasites per fish infected. While for Didymozoon sp.1, it has become the most infectious species with the highest prevalence which is 62 %.