

THE ANATOMY OF THE MOUTH OF THE ROUND
WORM
(*Ascaris lumbricoides*)

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**THE MORPHOLOGICAL STUDY OF NEMATODE IN ROUND SCAD
(*Decapterus punctatus*)**

**By
Norazlin Binti Mohd Jama**

**Research Report submitted in partial fulfillment of the requirements of the degree
of Bachelor of Science in Agrotechnology (Aquaculture)**

**Department of
FACULTY OF AGROTECHNOLOGY AND FOOD SCIENCE UNIVERSITI
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**FAKULTI AGROTEKNOLOGI DAN SAINS MAKANAN
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**PENGAKUAN DAN PENGESAHAN LAPORAN
PROJEK ILMIAH I DAN II**

Adalah ini diakui dan disahkan bahawa laporan ilmiah bertajuk:

The Morphological Study Of Nematode In Round Scad (*Decapterus punctatus*) oleh Norazlin Binti Mohd Jama, No.Matrik UK 14120 telah diperiksa dan semua pembetulan yang disarankan telah dilakukan. Laporan ini dikemukakan kepada Jabatan Perikanan Dan Akuakultur sebagai memenuhi sebahagian daripada keperluan memperoleh 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 the quotations and summaries which have been duly acknowledge.

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ABSTRACT

A study about nematode in marine fish was conducted on *Decapterus punctatus* or known as round scad by the local people. 30 samples of fishes were purchased at the Pantai Batu Rakit, Terengganu and transported to the laboratory where the examination of the fishes to find the nematodes was conducted here. The weight (g), total length, standard length, and fork length in cm of the fish were measured and the data was recorded throughout the study. The incision was made onto the fish by using a pair of sharp scissor. The internal organs especially the stomach was cut out and put into a petri dish immediately covered with saline water. The internal organs were examined for the nematodes. It was observed that the infection level was high in fishes of length between 24 cm to 27 cm and weight between 150.5 g to 170.5 g. The species of nematode that have been found is from the *Anisakis* sp. larva.

ABSTRAK

Kajian mengenai nematode di dalam ikan marin dijalankan ke atas *Decapterus punctatus* atau dikenali sebagai ikan seladang oleh penduduk tempatan. 30 sampel spesies ikan ini dibeli di Pantai Batu Rakit, Terengganu dan dibawa ke makmal dimana pemeriksaan ke atas ikan tersebut dilakukan di sini. Berat ikan dalam gram ditimbang, panjang keseluruhan, panjang piawai, dan panjang cabang ikan dalam sentimeter diukur dan kesemua data direkod sepanjang kajian. Pembedahan atau pemotongan dilakukan ke atas ikan pada bahagian abdomen menggunakan gunting yang tajam. Organ dalaman terutamanya perut dipotong dan diletakkan ke atas piring petri kemudian diselaputi dengan saline. Organ dalaman tersebut diperiksa untuk mengkaji nematoda yang terdapat di dalamnya. Diperhatikan bahawa tahap serangan nematoda adalah tinggi bagi ikan yang mempunyai panjang badan antara 24 sm sehingga 27 sm dan berat badan antara 150.5 g sehingga 170.5 g. Spesies nematode yang dijumpai dan telah dikenalpasti ialah larva *Anisakis* sp.