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Site specificity study of endoparasites of rastrelliger kanagurta from south china sea / Nurazlina Abdul Aziz.



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

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

Adalah ini diakui dan disahkan bahawa laporan ilmiah bertajuk:

Site Specificity Study of Endoparasites of *Rastrelliger kanagurta* from South China Sea

Oleh Nurazlina Binti Abdul Aziz, No.Matrik UK 13544 telah diperiksa dan semua pembetulan yang disarankan telah dilakukan. Laporan ini dikemukakan kepada Jabatan Sains 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 quotations and summaries which have been duly acknowledged.

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ABSTRACT

Fourty specimens of *Rastrelliger kangurta* Cuvier, 1816 were bought from the fish stall at Mengabang Telipot Beach, Kuala Terengganu. Fish were caught from the South China Sea between August 2008 and January 2009. The specimens were taken back to the lab and diagnosed for the site specificity of endoparasites. All specimens were infected by at least a species of endoparasites with the highest prevalence of 97.5%. Four hundred seventy parasites specimens of six different species from the digeneans, acanthocephalans and nematodes were collected with average intensity of 3.83. The most prevalent, the digeneans, were parasitizing the entire gastrointestinal tract. The acanthocephalan parasitized only the stomach, anterior intestine and mid intestine while the nematodes parasitized the mid intestine and posterior intestine of the host.

ABSTRAK

Empat puluh ikan *Rastrelliger kanagurta* Cuvier, 1816 dibeli dari gerai ikan di Pantai Mengabang Telipot, Kuala Terengganu dari bulan Ogos, 2008 hingga Januari 2009. Ikan yang dijual disini ditangkap dari Laut China Selatan. Spesimen ikan yang dibeli dibawa balik ke makmal dan pengkhususan kawasan untuk jangkitan endoparasit ikan ini dikaji. Semua specimen ikan dijangkiti sekurang-kurangnya satu sepsis endoparasit dengan kelaziman jangkitan sebanyak 97.5%. Sebanyak empat ratus tujuh puluh spesimen parasit daripada enam sepsis berbeza daripada kumpulan Digenea, Acanthocephala dan Nematoda diperolehi dengan purata intensiti sebanyak 3.83. Digenea dilihat menjangkiti keseluruhan saluran penghadaman. Acanthocephala hanya menjangkiti perut, usus anterior dan usus tengah manakala nematode menjangkiti usus tengah dan usus hujung ikan ini.