

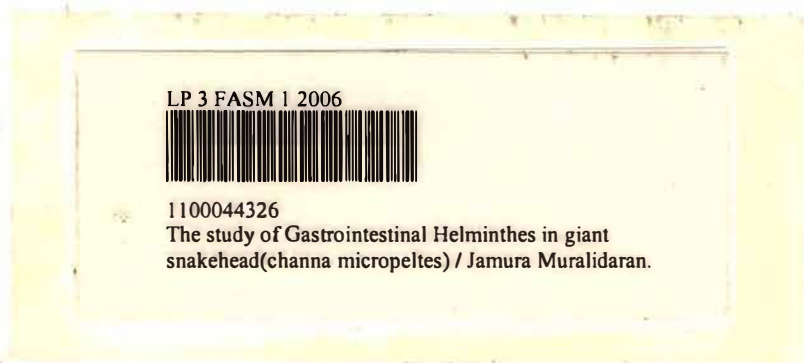
THE SCIENCE OF FOOD PRESERVATION AND QUALITY
IN FOOD SYSTEMS (COURSE COORDINATOR: *Prof. Dr. M. M. Yusoff*)

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UNIVERSITI SAINS DAN TEKNOLOGI MALAYSIA

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The study of Gastrointestinal Helminthes in giant snakehead(channa micropeltes) / Jamura Muralidaran.

PERPUSTAKAAN

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**THE STUDY OF GASTROINTESTINAL HELMINTHES IN GIANT
SNAKEHEAD (*Channa micropeltes*)**

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**This project report is submitted in partial fulfillment of the requirement of the
degree of Bachelor of Applied Science (Fisheries Science)**

**FACULTY OF AGROTECHNOLOGY AND FOOD SCIENCE
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ABSTRACT

Gastrointestinal helminthes are found in the lumen of the intestine and stomach of the freshwater Giant Snakehead, *Channa micopeltes*. *Channa micopeltes* are well known game fish and they are cultured for food. This fish are known to be carnivorous and they have short stomach. These groups of fish belong to the family Channidae. Gastrointestinal helminthes or parasitic worms parasitise the digestive system of the Snakehead. The parasitic worms primarily belong to the phyla of platyhelminthes (cestodes), acanthocephalans, nematodes and trematodes. The fish are dissected to remove the gastrointestinal parts to observe the parasitic worms. The morphological characteristics of gastrointestinal helminthes in *Channa micopeltes* are observed in order to identify them taxonomically. From the data the prevalence and the mean intensity of the parasitically infected Snakehead are also studied.

ABSTRAK

Gastrointestinal helminthes merupakan endoparasit yang dijumpai di dalam lumen perut dan usus Ikan Toman, *Channa micropeltes*. *Channa micropeltes* digunakan sebagai ikan lawan dan spesies ini sesuai dikultur untuk tujuan makanan. Ikan ini adalah tergolong dalam karnivor, memandangkan perutnya pendek. Kumpulan ikan ini adalah daripada famili Channidae. *Gastrointestinal helminthes* atau cacing parasit menghuni di system pencernaan Ikan Toman. Cacing parasit dikategorikan dalam phyla platihelminthes (cestoda), acanthocephala, dan nematoda. Ikan ini dibedah untuk mengeluarkan perut dan usus untuk tujuan pemerhatian terhadap cacing parasit. Ciri-ciri morfologi *gastrointestinal helminthes* daripada *Channa micropeltes* diperhati untuk menentukan kumpulannya secara taksanomik. *Prevalence* dan *mean intensity* daripada data digunakan untuk menerangkan tahap jangkitan parasit di dalam Ikan Toman, *Channa micropeltes*.