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Study on monogenea on koi (Cyprinus carpio) / Rozaimi Jusoh.

PERPUSTAKAAN SULTANAH NUR ZAHIRAH
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PERPUSTAKAAN SULTANAH NUR ZAHIRAH UMT

STUDY ON MONOGENEA ON KOI (*Cyprinus carpio*)

**By
Rozaimi Bin Jusoh**

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

**Department of Fisheries Science and Aquaculture
FACULTY OF AGROTECHNOLOGY AND FOOD SCIENCE
UNIVERSITI MALAYSIA TERENGGANU
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**FAKULTI AGROTEKNOLOGI DAN SAINS MAKANAN
UNIVERSITI MALAYSIA TERENGGANU**

**PENGAKUAN DAN PENGESAHAN LAPORAN
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Adalah ini diakui dan disahkan bahawa laporan ilmiah bertajuk:

Study on Monogenea on Koi (*Cyprinus carpio*)

oleh...Rozaimi bin Jusoh....., No.Matrik ...UK.14156.... telah
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DECLARATION

I hereby that the work in this thesis is my own except for quotations and summaries which have been dully acknowledged.

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Date : 18 MEI 2009

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To anyone who would one day pick up this thesis from the shelves, I hope that it performs in ways not only for the purpose of reference but also a simple readable material to be enjoying with.

ABSTRACT

From September 2008 until January 2009, 30 *Cyprinus carpio* were purchased at the farmer market located at Kuala Terengganu. The fish was used to examine the monogenetic trematodes. An ectoparasitism diagnosis study on koi, *Cyprinus carpio* was conducted. Existing ectoparasites on *Cyprinus carpio* were identified and the infestation severity was determined by calculation of percentage abundance, prevalence and mean intensity. The study which consisted of 30 *Cyprinus carpio*, revealed the presence of two species of monogenea. These species were *Dactylogyrus minutus* and *Gyrodactylos sp.* these parasites inhabit on the skin and on the gills of the fish. The total prevalence for the infection of the monogenea is 80% and the mean intensity is 30.54.

ABSTRAK

Kajian bemula dari bulan September 2008 hingga Januari 2009, 30 ekor ikan koi, *Cyprinus carpio* telah dibeli dari pasar tani yang terletak di Kuala Terengganu. Kesemua ikan tersebut digunakan untuk diagnosis parasit Monogenea. Kajian mengenai ektoparasit pada ikan koi telah dilakukan dengan lancar. Kehadiran ektoparasit pada ikan koi, *Cyprinus carpio* telah dikenalpasti dan kekerasan jangkitan telah ditentukan melalui pengiraan peratus penyebaran, jumlah kelaziman dan min keamatan. Kajian tersebut telah membongkar kehadiran dua spesis monogenea. Spesis tersebut ialah *Dactylogyrus minutus* dan *Gyrodactylos sp.* Parasit ini hidup di permukaan kulit ikan dan di dalam insang ikan tersebut. Jumlah kelaziman bagi spesis-spesis ini ialah 80% dan purata keamatan ialah 30.54.