

SAFE ASPECTS OF MARINE POLLUTANTS IN
FRESHWATER AND CULTURED FISHES IN SINGAPORE
TERRESTRIAL ENVIRONMENT

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Some aspects of monogenea parasites in freshwater cage culture fishes in Sungai Terengganu / Shafiatul Khabtiah Mohd Saffia



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**SOME ASPECTS OF MONOGENEA PARASITES IN FRESHWATER CAGE
CULTURED FISHES IN SUNGAI TERENGGANU**

Shafiatul Khabtiah Binti Mohd Saffian

**This project report is submitted in partial fulfilment of the requirement of the
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**FACULTY OF AGROTECHNOLOGY AND FOOD SCIENCE
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ABSTRACT

From October 2005 to January 2006, fifty striped catfishes *Pangasius hypophthalmus* were collected from a cage culture farm at Sungai Terengganu, Manir, Terengganu. The fish was used to examine the monogenetic trematode. This study revealed that *Pangasius hypophthalmus* from Sungai Terengganu were infected with spesies of monogenean that inhabit at the gills of the fish called *Thaparocleidus siamensis*. The total prevalence for the infection of the monogenean is 100% and the mean intensity is 98.4. From the prevalence and the mean intensity of the monogenean relate with water parameter we know that differences environmental conditions reflected in parasite prevalence and the mean intensity.

ABSTRAK

Dari Oktober 2005 hingga Januari 2006, lima puluh ekor ikan patin *Pangasius hypophthalmus* telah dikumpul dari satu penternakan sangkar di Sungai Terengganu, Manir, Terengganu. Ikan ini digunakan untuk menguji kehadiran trematod monogenea. Daripada kajian didapati bahawa *Pangasius hypophthalmus* dari Sungai Terengganu telah dijangkiti monogenea yang dijumpai di insang ikan itu yang dipanggil *Thaparocleidus siamensis*. Jumlah kelaziman untuk jangkitan monogenea ialah 100% dan min keamatan jangkitan ialah 98.4. Dari jumlah kelaziman dan min keamatan jangkitan monogenea berkait dengan parameter air kita dapat ketahui bahawa perbezaan keadaan persekitaran memberi kesan kepada kelaziman dan min keamatan jangkitan.