A STUDY ON THE EFFECT OF FEEDING AND REARING MEDIUM OF STRIPED SNAKEHEAD (Channa striata)

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LP 60 FASM 3 2003

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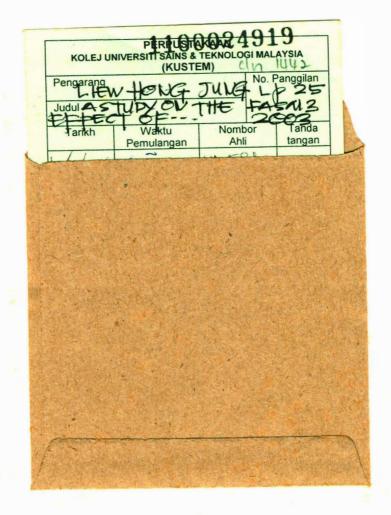
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A study on the feeding and rearing medium of striped snakehead larval (Channa striata) / Liew Hon Jun.





A STUDY ON THE FEEDING AND REARING MEDIUM OF STRIPED SNAKEHEAD LARVAL (Channa striata)

By

Liew Hon Jung

This project report is submitted in partial fulfillment of the requirement for the Degree of Bachelor of Agrotechnology (Aquaculture)

Faculty of Agrotechnology and Food Science
KOLEJ UNIVERSITI SAINS DAN TEKNOLOGI MALAYSIA

2003

This project report should be cited as:

Liew, H. J. A study on the feeding and rearing medium of Striped Snakehead (*Channa striata*). Undergraduate thesis, Bachelor of Agrotechnology (Aquaculture), Faculty of Agrotechnology and Food Science, Kolej Universiti Sains Dan Teknologi Malaysia, Terengganu. 57p.

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ACKNOWLEDGEMENT

First I would like to extend my most sincere gratitude and deep appreciation to Dr. Abol Munafi Ambok Bolong who provided me with a invaluable guidance, objective criticism and encouragement throughout the study. I am also gratefully indebted to Dr. Anuar Hassan and Dr. Paymon Roustain for their constructive suggestion during the study period.

I would like to express my special gratitude to Sunny Yeong Yik Sung and Bui Minh Tam for their encouragement, teaching, guidance and support from the time I started until the end of my study.

My deepest gratitude goes to my beloved Father, Mother, Sisters, Brothers and Miss Annie Yeong Pui Chuan for their endless love, care and moral support during my days in the university.

My acknowledgement is also due to Universiti Sains dan Teknologi Malaysia for offering me a Degree program and suitable environment appreciation. My sincere thanks are also due to all my lovely friends for their support and endless love.

ABSTRACT

Delayed feeding test was conducted for a period of 10 days. Results showed that high mortality rate was observed commence on 7 day after hatching (7 dAH). Initial feeding should be started on 4 day after hatching (4 dAH) to improve survival rate of larvae *Channa striata*. Survival and specific growth rate (SGR) were significantly higher when larvae were fed with life feed as compared with the usage of artificial plankton and microencapsulated pallet. The usage of artificial diets was not suitable as a started feed for the larval rearing of *Channa striata*. Results also indicated that larval survival were significant higher when combination of probiotic bacteria was added into the rearing medium and using of peat water were enhance the specific growth rate (SGR) of larval *Channa striata*.

ABSTRAK

Kajian kelewatan pemberian makanan dijalankan selama 10 hari, keputusan menunjukkan kadar mekatian yang tinggi didapati pada hari ke-7 selepas menetas (7 dAH). Untuk meningkatkan dadar kemandirian rega *Channa striata*, pemberian makanan pertama seharusnya dijalankan pada hari ke-4 selepas menetas (4 dAH). Kadar kemandirian dan kadar tumbesaran spesifik (SGR) paling tinggi pada rega *Channa striata* diberi makanan hidup berbanding dengan makanan plankton artifisial dan mikropallet. Penggunaan makanan artifisial adalah tidak sesuai sebagai makanan pertama rega *Channa striata* yang baru menetas (peringkat exogenous). Keputusan juga menunjukkan kadar kemandirian yang tinggi pada rega dirawat dengan air berasid lembut dan penggunaan campuran probiotik bacteria boleh meningkatkan tumbesaran spesifik (SGR) pada rega *Channa striata*.