THE EFFECTION OF OPOLE TO STORY S

LP 4 FASM 2 2007



1100061722

The efficiency of circle and octopus hooks in angling of Smith Delagoa threadfish bream (Nemipterus delagoea) / Bunyamin Halim.



PERPUSTAKAAN SULTANAH NUR ZAHIRAH UNIVERSITI MALAYSIA TERENGGANU (UNIT) 21039 KIJAI A TERENGGANU)

21030 KUALA TERBIGGARD		
	L000617	22
	 	

Lihat sebelah

HAK MILIK PERPUSTAKAAN SULTANAH NUR ZAHIRAH UNIS

THE EFFICIENCY OF CIRCLE AND OCTOPUS HOOKS IN ANGLING OF SMITH DELAGOA THREADFISH BREAM (Nemipterus delagoae)

Bunyamin Bin Halim
Dunyamin Din Hamin
This project report is submitted in partial fulfillment of the requirement of degree of Bachelor of Applied Science (Fisheries)

This project report should be cited as:

Bunyamin, H. 2007. The efficiency of circle and octopus hooks in angling of Smith delagoa threadfish bream (Nemipterus delagoae) Undergraduate thesis, Bachelor of Applied Science (Fisheries), Faculty of Agrotechnology and Food Science, Universiti Malaysia Terengganu. 43p.

No part of this project report may be reproduced by any mechanical, photographic, or electronic process, or in the form of phonograpic recording, nor may it be stored in a retrieval system, transmitted, or otherwise copied for public or private use, without written permission from the author and the supervisor of the project.

1100061722

ACKNOWLEDGEMENTS

Assalamualaikum w.b.t.

Firstly, I would like to intend my special gratitude and appreciation to my supervisor En. Masduki B. Mohd Morni for his time, comment and invaluable guidance throughout my project. I am also grateful to Dr. Chua for his valuable advices and kindness helps my project progress. Truly, without his assist, my work will be facing certain difficult. Sincere thanks to Mr Shahreza Md. Sheriff and Mrs Nur Asma Ariffin for their concern and guide through out this project. I would like to thank to my friend, Mohd Yazid, Azrim, Fendi, Yusrizal, Toyo, Karim, Fara, Zaharah, Faridah, Shuhada, Nurul Syahada, Azizah, Nurul Akhtar and Nur Hidayati for assisting me throughout the entire project. A special thanks to all Netlof staff of University Malaysia Terengganu for their kindness and guidance through out my study. My deepest gratitude goes to my parent and all my family members for their love, moral, support and care during my life at the university. Last but not least, a final thank you to all who were involved direct or indirectly during the completion of my project.

ABSTRACT

In this study, comparison of the missed fish, hooking efficiency, injury rates and mortality potential of circle hooks and common octopus hooks for Smith Delagoa Treadfish Bream has been conducted. The Smith Delagoa Treadfish Bream was captured along Terengganu coastal water. The terminal set up for both hook were standardized for all the angler. Upon detecting a strike, angler's fishing with octopus hooks was instructed to set the hook whereas those fishing with circle hook were told to reel in any slack and to apply constant pressure to the line. While capture, the anatomical location of the hook were recorded. Ease of hook removal was categorized using the slight modifications. After assessing ease of hook removal, the recorder looked for the presence of blood and recorded responses as either none, little or serious. In the present study, 25.67% fish captured on circle hooks were less bleeding and were more easily to remove from the hook than those were captured on octopus hooks with 48.94 %. Majority of fish landed with circle hook were hooked at side jaw with 42.66% while 45.82% fish landed by octopus hooks were hooked at gullet. Results showed that mortality potential rate of circle hook were lower than octopus hook with 18.81% for circle and 43.66% for octopus. However, the rate of missed fish is lower by using octopus hook 38.57% than circle hook 44.23%. The result indicates that circle hook is better than octopus hook in conservation benefits but having different captured rates.