

**THE COMPARISON OF FOOD COMSUMPTION
AND GUT CONTENT OF SQUID AND
CUTTLEFISH IN COASTAL AREA OF KUALA
TERENGGANU AND KUALA LIPIS**

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**THE COMPARISON OF FOOD CONSUMPTION AND GUT CONTENT OF
SQUID AND CUTTLEFISH IN COASTAL AREA OF KUALA
TERENGGANU AND KUALA PERLIS**

By

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**JABATAN SAINS MARIN
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**PENGAKUAN DAN PENGESAHAN
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Adalah ini diakui dan disahkan bahawa laporan penyelidikan bertajuk 'The Comparison of Food Consumption and Gut Content of Squid and Cuttlefish in Coastal Area of Kuala Terengganu and Kuala Perlis' oleh Aziana Binti Ahmad Fauzi, No. Matrik UK9497 telah diperiksa dan semua pembedaan yang disarankan telah dilakukan. Laporan ini dikemukakan kepada Jabatan Sains Marin sebagai memenuhi sebahagian daripada keperluan memperoleh ijazah **Sarjana Muda Sains Biologi Marin**, Fakulti Pengajian Maritim dan Sains Marin, Universiti Malaysia Terengganu.

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LIST OF ABBREVIATIONS

g	=	gram
cm	=	centimeter
%	=	percentage
ML	=	Mantle Length
TL	=	Total Length
BW	=	Body Weight
SCW	=	Stomach Content Weight
FWI	=	Fullness Weight Index

ABSTRACT

Cephalopods are one among marine resources that serve as a main food in this country. This study is generally carried out to determine major groups of prey that was consumed by cephalopods in 2 regions, that is East coast and West coast of Peninsular Malaysia .This research is to determine the relationship between cephalopods weight and Fullness Weight Index (FWI). 110 samples of cephalopods were analyzed throughout the project, 88 samples are squid while the rest are cuttlefish. 3 species of cuttlefish *Sepia recurvirostra*, *Sepiella* sp.and *Sepia pharaonis* had found in East coast while 3 species *Sepia aculeata*, *Sepiothentis lessoniana* and *Sepia pharaonis* were found in West coast. For squid, 5 species *Loligo chinensis*, *L. duvaucelli*, *L. sibogae*, *L. edulis* and *L. uyii* were found at both places. Type of food or prey from cephalopods stomach were identified and classed into 3 major groups that is fish, crustacean and cephalopods while unidentified partials were classed under others. Results show no differences among squid and cuttlefish type of food or prey from East coast and West coast. Overall, fish is the highest of prey had consumed by from squid and cuttlefish.