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**CHANGES OF FATTY ACID CHARACTERISTICS IN DECOMPOSING
MANGROVE LEAVES IN THE SETIU WETLAND, TERENGGANU**

By

Nurhidayah binti Haim

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

**Department of Marine Science
Faculty of Maritime Studies and Marine Science
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**JABATAN SAINS MARIN
FAKULTI PENGAJIAN MARITIM DAN SAINS MARIN
UNIVERSITI MALAYSIA TERENGGANU**

**PENGAKUAN DAN PENGESAHAN
LAPORAN PROJEK PENYELIDIKAN I DAN II**

Adalah ini diakui dan disahkan bahawa laporan penyelidikan bertajuk:

**CHANGES OF FATTY ACID CHARACTERISTICS IN DECOMPOSING ...
MANGROVE LEAVES IN THE SETIU WETLAND, TERENGGANU**.....

oleh **NURHIDAYAH BINTI HAIM**....., No. Matrik **UK 10050**

telah diperiksa dan semua pembetulan 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.

Disahkan oleh:

Penyelia Utama

Nama:

DR. ZAINUDIN BACHOK

Lecturer

Department of Marine Science

Cop Rasmi: Faculty of Maritime Studies and Marine Science

Universiti Malaysia Terengganu (UMT)

21030 Kuala Terengganu.

Tarikh:

24/4/2007

.....
Penyelia Kedua (jika ada)

Nama:

Cop Rasmi:

Tarikh:

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ABBREVIATIONS

ω	=	Omega
$\mu\text{g g}^{-1}$	=	microgram per gram
TM	=	trade mark
$^{\circ}\text{C}$	=	Celcius degree
$^{\circ}$	=	degree
μl	=	microliter
ml	=	millimeter
m	=	meter
g g^{-1}	=	gram per gram
M	=	mole
V	=	volume
CO_2	=	Carbon dioxide
H_2O	=	Water
%	=	Percentage
C	=	Carbon
>	=	greater than
<	=	less than
P	=	Probability
N	=	North
E	=	East
BF_3	=	Boron triflouride
FA	=	Fatty acid
FAME	=	Fatty acid methyl ester
SAFA	=	Saturated fatty acid
MUFA	=	Monounsaturated fatty acid
PUFA	=	Polyunsaturated fatty acid
SD	=	Standard deviation
rpm	=	round per minute
TLC	=	Thin layer chromatography
GC	=	Gas Chromatoghraphy
df	=	difference
ANOVA	=	analysis of variance

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