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LAGOON, KELANTAN

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DETERMINATION OF SEDIMENT CHARACTERISTIC IN TOK BALI
LAGOON, KELANTAN

By

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

Adalah ini diakui dan disahkan bahawa laporan penyelidikan bertajuk:

Determination of Sediment Characteristic in Tok Bali Lagoon, Kelantan oleh **Mohd Fahmi Bin Askandar Zulkarnaini**, No. Matrik **UK 9062** telah diperiksa dan semua pembetulan yang disarankan telah dilakukan. Laporan ini dikemukakan kepada Jabatan Sains Samudera sebagai memenuhi sebahagian daripada keperluan memperolehi Ijazah Sarjana Muda Sains (Sains Samudera), Fakulti Sains dan Teknologi, Kolej Universiti Sains dan Teknologi Malaysia.

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LIST OF ABBREVIATIONS

Symbol

1.	Ø	Phi
2.	mm	Milimeter
3.	g	Gram
4.	µm	Micrometer
5.	°	Degree
6.	N	North
7.	E	East
8.	ha	Hectare
9.	ml	Mililiter

ABSTRACT

Study on grain size characteristics and distribution were carried out around lagoon area in Tok Bali Lagoon, in order to gain more information about the dominant grain sizes characteristics of lagoon sediment. Sediment characteristics are one of the most important environmental factors directly affecting mangrove productivity and structure. Sampling was carried out on July 30, 2005, where 30 samples were collected randomly around the lagoon area. The sediment distribution was found to be moderately coarse, poorly sorted and negatively skewed in most stations. There is not much variation in Kurtosis where most of the sediment is extremely leptokurtic. The distribution of sediments might be influenced by certain factors such as tidal current, vegetation which that occur in lagoon area, morphology characteristic of lagoon area and human activities.

UNTUK MENENTUKAN CIRI-CIRI ENAPAN DI LAGUN TOK BALI, KELANTAN.

ABSTRAK

Kajian terhadap saiz enapan butiran telah dilakukan di sekitar kawasan lagoon di Lagoon Tok Bali dengan tujuan supaya dapat lebih memahami ciri-ciri endapan di kawasan lagoon. Bentuk saiz endapan adalah antara faktor penting dalam pertumbuhan dan pertumbuhan hutan paya bakau. Satu penyempelan telah dijalankan pada 30 Julai 2005. Sebanyak 30 sampel diambil secara rawak di hampir setiap kawasan lagoon. Daripada kajian ini corak taburan endapan adalah didominasi oleh jenis sedehana kasar, bersisihan tidak sempurna, dan berkepencongan negatif di hampir semua stesen. Kurtosis paling leptokurtik adalah jelas sekali mendominasi hampir semua stesen. Kajian ini juga menunjukkan taburan endapan adalah dipengaruhi oleh pelbagai factor termasuk arus pasang surut, pengaruh tumbuhan yang hidup di kawasan tersebut, ciri-ciri morfologi kawasan lagoon dan aktiviti manusia.