

KAJIAN BEBERAPA KRITERIA ENDAPAN TERAS DAN  
ENDAPAN DASAR DI LOKASI TERTENTU LAUT CHINA  
SELATAN

LIM CHIA SIANG

FAKULTI SAINS GUNAAN DAN TEKNOLOGI  
UNIVERSITI PUTRA MALAYSIA TERENGGANU  
TERENGGANU

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**OLEH**

**LIM CHIA SIANG**

**Laporan Projek ini merupakan sebahagian daripada keperluan untuk  
mendapatkan Ijazah Bachelar Sains( Sains Samudera )**

**Fakulti Sains Gunaan dan Teknologi  
UNIVERSITI PUTRA MALAYSIA TERENGGANU  
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Lim Chia Siang ( UK 0052 )

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## ABSTRAK

Lima puluh satu sampel dasar diambil di Perairan Laut Sabah dan Sarawak untuk analisis sedimentologi pada masa sebelum musim monson timur laut. Selain itu, sepuluh sampel endapan teras dari perairan Pantai Timur Laut China Selatan dan Teluk Siam diambil untuk tujuan yang sama. Objektif kajian adalah untuk mengenalpasti jenis taburan dan corak perubahan ciri-ciri endapan.

Didapati bahawa endapan dasar di Perairan Sabah dan Sarawak sebelum musim monson timur laut adalah lebih kasar di kawasan persisiran pantai. Endapan di kawasan tersebut adalah tidak sempurna, kurang simetrik dan lebih puncak berbanding dengan laporan-laporan yang lepas. Tambahan pula, tekstur endapan tersebut adalah dari berjulat pasir kepada liat halus. Endapan teras di Teluk Siam dan Pantai Timur Semenanjung Malaysia terdiri daripada jenis lom berkelodak dan lom. Manakala jenis endapan di kawasan persisiran pantai perairan tersebut adalah jenis lom dan kawasan luar pantai pula adalah jenis lom berkelodak. Daripada analisis statistik, didapati bahawa endapan di kawasan persisiran pantai lebih kasar, kurang sekata, tidak simetrik dan lebih puncak berbanding kawasan yang lebih jauh dari pantai. Pendek kata, saiz endapan semakin halus apabila kedalaman laut dan jarak dari pantai kian bertambah.

## ABSTRACT

*This study analysed fifty one bottom sediment samples collected from the South China Sea before the Northeast monsoon period and ten core sediment samples collected from the water of the Gulf of Thailand and East Coast of Peninsular Malaysia. The primary objective of this study was to identify the distribution pattern and changes in spatial sediment characteristics of the sea floor.*

*Analyses revealed that the pre-monsoon sediments of the South China Sea are coarser in the near shore area. The sediments are more poorly sorted, more positively skewed and more peaked compared to the post-monsoon characteristic as reported by other authors. Additionally, sediment texture ranges from sandy to light clay with silt loam being the dominant texture for the waters of the Gulf of Thailand. On the other hand, for the waters off the East Coast of Peninsular Malaysia the dominant texture was loam. Near shore sediments are coarser, more poorly sorted, more positively skewed and most peaked in characteristics when compared to offshore sediments in both area. Generally, grain size tends to be finer with increasing depth and distance from the shoreline.*