

BATHYMETRY STUDY OF COASTAL WATERS OF ANGOLO  
USING ECHO SOUNDER

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Perpustakaan Sultanah Nur Zahirah (UMT)  
Universiti Malaysia Terengganu



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Tee Han Khoo.

PERPUSTAKAAN SULTANAH NUR ZAHIRAH  
UNIVERSITI MALAYSIA TERENGGANU (UMT)  
21030 KUALA TERENGGANU

1100054384		

Lihat sebelah

HAK MILIK  
PERPUSTAKAAN SULTANAH NUR ZAHIRAH UMT

BATHYMETRY STUDY OF COASTAL KUALA SELANGOR USING  
ECHO SOUNDER

By

Tee Han Khoo

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Faculty of Maritime Studies and Marine Science  
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## **ABSTRACT**

### **BATHYMETRY STUDY OF COASTAL KUALA SELANGOR USING ECHO SOUNDER**

Coastal zone are among the most dynamic and energetic environments on earth. Coastal morphology is shaped essentially by the action of waves and currents, with often an important role of the tide. Hydrographic survey was conducted in coastal Kuala Selangor area. The objectives of this research are to generate bathymetry model and study tidal events at study area. From the study, the result shows that the average depth is around 5 to 10 meter. As a conclusion, there are no obvious features on the bathymetry that are clearly detected, are to support decisions on the safety navigation for the fisherman at study area of coastal Kuala Selangor.

## **ABSTRAK**

### **PEMETAAN DASAR PANTAI DENGAN MENGGUNAKAN GEMA PENDENGARAN DI KAWASAN PANTAI KUALA SELANGOR**

Kawasan pantai adalah kawasan alam sekitar yang paling banyak perubahan tenaga dan bentuk di atas bumi. Perubahan pantai selalunya terjadi kerana tindakan ombak, gelombang air laut, dan juga yang kurang pentingnya ialah tindakan pasang surut. Hydrografi survei telah dijalankan di kawasan pantai Kuala Selangor. Objektif bagi kajian ini adalah untuk menjana model 'bathymetry' dan juga mempelajari perubahan pasang surut di kawasan tersebut. Kajian ini mendapati kedalaman di sekitar kajian adalah lebih kurang 5 hingga 10 meter. Manakala tidak dapat mengesan apa-apa benda seperti kapal karam, batu dan lain-lain lagi di dasar kawasan kajian tersebut. Ini bermakna kawasan ini selamat untuk nelayan di kawasan sekitar melalui pantai tersebut.