

DEVELOPMENT OF LINES PLAN DRAWING OF MALAYSIAN
TRADITIONAL FISHING BOAT

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**DEVELOPMENT OF LINES PLAN DRAWING OF MALAYSIAN
TRADITIONAL FISHING BOAT**

**By
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**A thesis submitted in partial fulfilment
of the requirements for the award of the degree of
Bachelor of Applied Science (Maritime Technology)**

**DEPARTMENT OF MARITIME TECHNOLOGY
FACULTY OF MARITIME STUDIES AND MARINE SCIENCE
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**DECLARATION AND VERIFICATION REPORT
FINAL YEAR RESEARCH PROJECT**

It is hereby declared and verified that this research report entitled: Development of Lines Plan Drawing of Malaysian Traditional Fishing Boat by Ahmad Aslam Bin Mohamad @ Asmara, Matric No. UK 21456, have been examined and all errors identified have been corrected. This report is submitted to the Department of Maritime Technology as partial fulfillment towards obtaining the degree of Bachelor of Applied Science (Maritime Technology), Faculty of Maritime Studies and Marine Science, Universiti Malaysia Terengganu.

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DECLARATION

I hereby declare that this thesis entitled “Development of Lines Plan Drawing of Malaysian Traditional Fishing Boat” is the result of my own research except as cited in the references.

Signature : 

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Date : 1st January 2013

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DEVELOPMENT OF LINES PLAN DRAWING OF MALAYSIAN TRADITIONAL FISHING BOAT

ABSTRACT

This study is to develop lines plan of Malaysia traditional fishing boat (B-Class) operated in radius of 5-12 nautical miles from shore. The construction of Malaysian traditional fishing boat is still un-documented, using the role of thumb and there are no appropriate drawing and stability evaluation been carried out. In this study also evaluated to assess the stability of the boat, how far traditional boats using traditional skills to build a stable boat. The boat manually measured on traditional fishing boat B-class that still under-construction being the best subject of to project. The lines plan then been generated using MaxSurf software program based on some required input. The stability of the boat calculated using Hydromax MaxSurf software program after the lines plan had been developed. Finally the last product are to document of lines plan drawing and stability based on subject that have been chosen before.

MEMBANGUNKAN LUKISAN PELAN GARISAN BOT NELAYAN TRADISIONAL MALAYSIA

ABSTRAK

Kajian ini adalah untuk membangunkan pelan garisan bot nelayan tradisional Malaysia Kelas B yang beroperasi dalam lingkungan 5-12 batu nautika dari pantai. Pembinaan bot nelayan tradisional Malaysia masih lagi tiada catatan rasmi yang dibuat sebelum ini dan pembinaan boat nelayan ini adalah berdasarkan anggaran dari pembuat bot, dan tiada lakaran yang sebenar dan penilaian kestabilan yang telah dijalankan sebelum ini. Dalam kajian ini juga, kestabilan bot dinilai bagi mengenal pasti akan sejauh mana bot tradisional yang menggunakan kemahiran tradisional untuk membina sebuah bot yang stabil. Bot diukur secara manual pada bot nelayan tradisional Kelas B yang masih didalam pembinaan yang mana menjadi model terbaik bagi projek ini. Pelan garisan kemudiannya dijana dengan menggunakan perisian MaxSurf berdasarkan input yang diperolehi. Kestabilan dan kerintangan bot dikira dengan menggunakan program perisian MaxSurf Hydromax dan Hullspeed, selepas pelan garisan telah dibuat. Akhirnya, pelan garisan dan kestabilan bot didokumenkan berdasarkan bot yang telah dipilih.