

**UNIVERSITI TEKNOLOGI MARA**

**PRODUCTION DESIGN OF MALAY  
FISHING BOAT**

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## **ABSTRACT**

Generally, most of the fishing vessel in Malaysia is built traditionally with no guidance and specifically calculation from naval architecture that causes some issues from the exist product. The cabin of the current design is placed at the behind of the boat. This type of building can be such a problem which is can effect to the steerer view or vision that causes from general arrangement on the boat. Other than that, the material selected for the hull is still using wood. This material is no longer suitable because of high maintenance costs and lower durability. Other than not long-lasting, this material also is not valid for the maritime requirement. Costs for building of this material is also high. In this study, the objective of this new design is to handle all these problems by changing the cabin to the front and changing the material of hull. Besides, this study also determines the optimum production method to build the best performance and cost for this product. The expected result of this project is this product can be high quality product but with the lower costs by selecting the right method for the production. With this, this project making the research from the internet survey and also journal for reducing the costs that unneeded. this project is well planned by doing the methodology such as flowchart and also gantt chart. This is necessary for this project guidance. In conclusion, this project achieved all the objective mentioned which propose the new design of fishing boat and determine the optimum method of production. But this project also have the lacks and limitation. This research hope that this product will be fabricated for the future research. Other than that, this project needed more best result from reviewing more production method to get the lowest costs in production design.

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