

UNIVERSITI TEKNOLOGI MARA

MEC300

**PRODUCTION DESIGN
DEVELOPMENT OF PASSENGER
BOAT TO THE ISLAND**

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ABSTRACT

This Developing Passenger Boats for Perhentian's Island addresses Monsoon challenges with a focus on Comfort and Affordability. This project centers around the design and construction of passenger boats tailored for the picturesque Perhentian's Island. These vessels, designed to accommodate up to 20 passengers each, aim to tackle the challenges presented by the monsoon season while ensuring a comfortable and cost-effective transportation option for tourists. The research is prompted by the recognition that existing boats may not fully meet the needs of tourists seeking personalized and budget-friendly holiday experiences. The primary goal is to design a passenger boat suitable for 20 people, prioritizing safety and addressing daily human needs. Following the design phase, the project will conduct a comparative analysis to determine the most optimal production method for these passenger boats. The expected outcome involves the creation of detailed 3D models using AutoCAD, ensuring precision in the design, and selecting the most efficient production method. The ultimate benefit of the project lies in introducing a new dimension to recreational activities in calm water areas, offering tourists an enhanced holiday experience amidst the natural beauty of Perhentian's Island. The design process will leverage computer-aided design tools such as CAD Solid Work and MAXSURF based on meticulously planned sketches.

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