



**UNIVERSITI TEKNOLOGI MARA
CAWANGAN TERENGGANU**

**FABRICATION OF MINIATURE
FOLDABLE STORAGE RACK**

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Dissertation submitted in partial fulfillment
of the requirements for the degree of
Diploma
(Mechanical Engineering)

College of Engineering

March 2022

ACKNOWLEDGEMENT

Praise be to Allah S.W.T for providing me with the time, good health, and strength to work in completing this study.

Acknowledgements are on behalf of the Faculty of Mechanical of Engineering academics for allowing me to undergo this course of Final Year Project II (MEC300) as one of the diploma course requirements.

High appreciation and deepest gratitude are given to my supervisor PUAN NORHASHIDAH BINTI MANAP as the lecturer of MECHANICAL ENGINEERING (MEC) for his invaluable guidance, encouragement, generous assistance, patience, and strong support throughout this study work, and for his trust in my ability to produce the case study.

Other than that, thank you very much; I thank my family, especially my mother and father, for their faith in me because they have sacrificed to give words of encouragement and pray that the project runs smoothly.

Let's not forget the hard work and determination by DR. SHUKRIAH ABDULLAH and our Final Year Project Coordinator, who has been managing our program very well and guiding the supervisors, panels, and students to ensure everything according to schedules smoothly.

Above all, I wish everyone happiness and prosperity in their life. May Allah Bless our lives with loved ones in this world and the hereafter.

ABSTRACT

A storage rack can assist a range of human activities in daily life. The purpose of a rack is to conserve space by storing goods and items upright for short or lengthy periods. The issue constantly encountered is that storage racks consume an excessive amount of space. While the rack is not used, this will be a major problem for individuals, particularly those who live in homes or crowded places. Therefore, the objective of this project is to create a rack with a folding system, generally known as a miniature foldable storage rack. This rack will be equipped with a folding technology that will allow for significant space savings, particularly in tiny spaces. Several strategies have been applied to ensure the project's success. To begin, research storage racks, produce several designs, choose the best one, and finally, execute the fabrication process. Without a doubt, numerous problems must be overcome for this project to succeed; hence, solutions must be identified to secure the project's success. The most important factor is that discussions with supervisors, engineer assistance, and friends are essential for completing this project. To sum it all up, this project must be successful to benefit individuals and enhance the quality of life.

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