

UNIVERSITI TEKNOLOGI MARA  
FACULTY OF MECHANICAL ENGINEERING  
DIPLOMA IN MECHANICAL ENGINEERING  
(EM 110)

FINAL YEAR PROJECT  
(KJP 365)

TITLE:  
F.A.D.S ROLLERABLE OWNING

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## **INTRODUCTION**

In the 6 semester in Diploma of Mechanical Engineering, we've undergo many subject that have been guideline for us by the faculty. From physic to strength of material to fluid mechanic, in the sixth semester we been given the task of joining all the wisdom from all those course taken and put it to test for our final year project. We are to make a product in 12 weeks that comprises any of the mechanical theory.

During the 12 weeks we are to make or build a product that is fully functional and ready for presentation to certified examiners. Apart from making the functional product, we've been ask to write a full report on our product, that include the procedures, the detailed drawing of the product and the calculation upon the product.

Hence, we after studying all the aspect in making a useful product, we've choose to make "F.A.D.S RoUerable Owing". F.A.D.S. stands for the initial of the first of our group members. We took this project because we feel it is one of the useful product manufactured in the present market. Not only is it cheap but easy to produce. This will give an advantage to the manufacturer. F.A.D.S. RoUerable Owing not only can be use at home but also at restaurant, shop lots or any commercial premises.

Apart from the advantage above, the F.A.D.S. RoUerable Owing is a product that it is easy to operate and tough. It can withstand all kind of weather

## OBJECTIVE

The main objectives of Faculty of Mechanical Engineering to provide this subject compulsory to final year student are as follows:

- To provide training ground for students to practice workshop skills before becoming a mechanical engineer.
- To give exposure to student on how to make a product.
- To allow student manipulate all information gathered from theoretical class so that it can be practically performed in the workshop.
- To enhance the student skill in practical work in addition to theoretical knowledge.
- To teach student on organizing a team to produce a product that can be marketed.

In addition, this report is prepared for the purpose of giving a chance to student on how to study and analyze important aspects to be considered in the process of making a product.

## **PROCEDURES**

Proper procedure is an important step in making a good product. Without the proper steps we've taken in making our product, the chances of finishing our project are dim. Therefore, the procedure's we took are crucial in making our project a success. The following are the procedure we took in completing our project:

**Observation**

**Discussion**

**Research**

**Analysis**

**Profiling**

**Producing**

**Finished Product**