

Faculty of Mechanical Engineering

Mara University of Technology



Final Project Report (KJM365)

PLATE DRYER

**Dip. In Mechanical Engineering
(EMI 10)**

Group Member:

- Mohamad Rozi b. Md Said 2002423973
- Mohamad Norman Ruslan 2002423470
- Mohd Safwan Zulkefley 2002420981

Supervisor : En. Ahmad Tajuddin

Coordinator : En. Idris Saad

TABLE OF CONTENTS

CHAPTER 1	PAGE
1.0 INTRODUCTION	
1.1 OBJECTIVE	
CHAPTER 2	
THE PRODUCT	
2.0 OBJECTIVE	
2.1 PROJECT OVERVIEW	
2.2 PROCEDURE	
2.3 PROCESS	
2.4 WORK PROGRESS	
2.5 RESULT, DISCUSSION AND APPLICATION	
2.6 CONCLUSION	
3.0 APPENDIX	

1.0 INTRODUCTION

As what had been instructed by the FACULTY OF MECHANICAL **ENGINEERING** to all final year students, the students have to perform a final year project (**KJP 365**), that required the student to implement or practice all the knowledge that they had learn since the first semester . Here, the project must be 100 percent related with mechanical programmed. All process involve in the making of the product must be conducted by the students themselves under the supervision of the supervisor of the group.

One of the requirements that had been stated for this project is that, the students have to design a new product that can be operated in a specific time and also the product that can function by groups, or by using more than one worker. By this requirement, three of us had discussed thoroughly about the project. Many ideas from group members are taken such as fully automated displayer, multipurpose table and etc.

Many days had been taken to decide the suitable project that will fulfill the Guideline given by the faculty and also applicable to us in term of time consume, worker energy utilization when doing the project and etc. As the result, after further discussion with group members and supervisor, the group agrees to perform the project called **THE PLATE DRYER VERSION 5.0**. The **VERSION 5.0** comes to name because it was the fifth designs that have been propose to form the project. On making this final project, we have made a sketch of our project and send it to our supervisor a week after the projects finalized by the group members.

2.0 OBJECTIVE

The main objective of the project is being included in the programs is to enable the student to convert the theory knowledge into a vital hands-on practical in term of the entire engineering prospects. The project is actually to provide student with certain skills in engineering such as welding process, milling, how to operate the lathe machine etc. it's important to build up the student confident, ability and skills. It does also build the student creativity to produce high quality products. Student is thought to work as a team in order to produce better products

As the student is required to finish the project in certain period of time, it also thought the student about time management, student must know how to manage the time wisely in order to complete the project as well as the report is done on time.

3.0 PROCEDURES

In deciding on doing the Plate Dryer V.05 as our final project. We did have several other suggestions. But after taking several considerations of a few aspects of things, we have decided on the project with the approval from our supervisor EN Ahmad Tajuddin

In completing the project, there are several procedure needs to follow. The procedure is:

- Sketching and dimensioning process
- Selection of raw materials.
- Machining process
- Joining process
- Touching process and finishing process
- Providing report.