

UNIVERSITI TEKNOLOGI MARA

**LAYOUT AND MANUFACTURE OF
A FOLDABLE CLOTHES DRYER**

**AMIRAH NUR FATIHAH BINTI MUHD
AMIRUL ARIF WONG**

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ABSTRACT

The study of this proposal analyses the problem students that live in residential college face which is the process of queueing up for the laundry. The primary objective of this study is to ease the burden of students. With lots of deadlines to catch, tons of assignments and tests to do, laundry problem should be at the bottom of the list. The foldable clothes dryer is a cabinet- like dryer with an external heater connecting to it. Once the drying process has complete, user can unhook the toggle latches and fold it and store it easily. As a result from this project, having a foldable clothes dryer will help the students from many different aspects including convenience, time management, weather problem and also will reduce the stress for students so that they can focus on academics rather than this small problem of queueing for the laundry.

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TABLE OF CONTENTS

	Page
CONFIRMATION BY SUPERVISOR	ii
AUTHOR'S DECLARATION	iii
ABSTRACT	iv
ACKNOWLEDGEMENT	v
TABLE OF CONTENTS	vi
LIST OF TABLES	viii
LIST OF FIGURES	ix
LIST OF ABBREVIATIONS	xii
CHAPTER ONE : INTRODUCTION	1
1.1 Background of Study	1
1.2 Problem Statement	2
1.3 Objectives	3
1.4 Scope of Study	4
1.5 Significance of Study	6
CHAPTER TWO : LITERATURE REVIEW	7
2.1 Benchmarking/Comparison with Available Products	7
2.2 Review of Related Manufacturing Process	10
2.3 Patent and Intellectual Properties	12
2.4 Summary of Literature	15
CHAPTER THREE : METHODOLOGY	16
3.1 Overall Process Flow	16
3.2 Detail Drawing	18
3.3 Engineering Calculation and Analysis	28
3.4 Bill of Materials and Costing	38
3.5 Fabrication Process	40

CHAPTER ONE

INTRODUCTION

1.1 Background of Study

In this modern-day world, a dryer is commonly used to dry clothes as it is a lot easier and more time-efficient than being compared to a traditional clothes drying rack. Using a conventional clothes drying rack as shown in Figure 1.1 may prolong the time it takes for clothes to dry because of the weather; occasionally, it may be extremely hot or rainy. Additionally, once your laundry is done, it can be loaded directly into the clothes dryer as opposed to a conventional clothes drying rack where more labour is used in order to let air circulate, each item has to be shaken and spread apart from the others. The work of putting it down once it has dried and collapsing and storing the clothes drying rack must be taken into account [1].



Figure 1.1 Traditional clothes drying rack [2]

A foldable clothes dryer is a clothing-like rack with a rod in it to hang 1-3 pieces of clothing by using a hanger, with the hanger, the user can hang them onto the rod. Additionally, it features one compartment underneath the rack for drying tiny items of clothing such as inner scarves, handkerchiefs and socks. When user turn on the dryer