

**UNIVERSITI TEKNOLOGI MARA**

**DESIGN, ANALYSIS AND FABRICATION OF  
SHOE DRYER**

**MUHAMMAD AKMAL HAZIM BIN ABDUL HALIM**

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## **ABSTRACT**

Drying shoes under the sun may take quite a long time for the shoes to dry and may depend on the weather. As a solution to this problem, a shoe dryer is designed. This shoe dryer is easy to carry anywhere and take a short drying time. The air source uses the concept of a hair dryer mechanism where air is generated from the rotation of the fan driven by an electric source and heats the air heater at a low level of this design is to make it easy for people to dry their shoes. With the design of this shoe dryer that is light and easy to carry and to some extent provide the convenience to dry shoes anywhere. This shoe dryer was produced cheap and using durable materials so that it is affordable tool. The shoe dryer is mobile and easy to carry because the size was designed medium sized tool. Then, Shoe Dryer 2.0 is designed to overcome these problems.

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# TABLE OF CONTENTS

	<b>Page</b>
<b>CONFIRMATION BY SUPERVISOR</b>	<b>i</b>
<b>AUTHOR’S DECLARATION</b>	<b>ii</b>
<b>ABSTRACT</b>	<b>iii</b>
<b>ACKNOWLEDGEMENT</b>	<b>iv</b>
<b>TABLE OF CONTENTS</b>	<b>v</b>
<b>LIST OF TABLE</b>	<b>vi</b>
<b>LIST OF FIGURES</b>	<b>vii</b>
<b>CHAPTER ONE : INTRODUCTION</b>	<b>10</b>
1.1 Background of Study	12
1.2 Problem Statement	13
1.3 Objective	13
1.4 Scope of Work	14
1.5 Significance of Study	14
1.6 Expected Result	15
<b>CHAPTER TWO : LITERATURE REVIEW</b>	<b>16</b>
2.1 Introduction of Project	16
2.2 Shoe Dryer Shelf	16
2.3 Shoe Dyer Machine	17
2.4 Violet Light Electrical Shoe Dryer	18
2.5 Drying Shoes Using Newspaper	19
2.6 Product Design Specification	20
<b>CHAPTER THREE : METHODOLOGY</b>	<b>21</b>
3.1 Introduction	21
3.3.1 Flow Chart	21
3.2 Prototype Drawing and Bill of Materials, BOM	22
3.2.1 Bil of Material	22
3.3 Calculation and Computational Analysis	25
3.3.1 Computational Analysis	26
3.3.1.1 Heating Analysis	26
3.4 Fabrication Process (Process Flow)	27
3.4.1 Equipment and Tools	27
3.4.2 Step by Step Fabrication Process	29

# CHAPTER ONE INTRODUCTION

## 1.1 Background of Study

This project title is about development of Shoe Dryer Apparatus. This apparatus is very simple for us to use. It is because, we just need to plug it to the electric socket and switch it on before we can easily use it.

This project is safe to use as it does not use much manpower, did not required lot of electricity and very efficient to dry shoes overnight. The apparatus with the use of thermal convection drying from light bulb that which means that warm air naturally rises, the shoe dryer can dry any shoes in a short time compared to the shoe dryer out there.

As we know, in Malaysia, we have an uncertain weather condition that can lead to the problem for us to dry our shoes, especially in the monsoon season. With this apparatus, at least, a pair of shoes can be dried for us to use in the next day. This simple shoe dryer also can make our shoes more comfortable each day while protecting the shoes investment.

Other than that, it also suitable to remove any perspiration, wetness, and odour from the shoes. It is because, the shoe dryer is complete with an air space on both apparatus. The light bulb is select from high power watts to give a high heater to the shoes. Finally, this apparatus is not too large that it can only dry a pair shoes in one time.