

UNIVERSITI TEKNOLOGI MARA

**AN IMPROVEMENT OF STORAGE SPACE AND
DRYING USING SHOE DRYER CABINET**

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ABSTRACT

Shoes that dried in the sun may take a long time to dry and may be affected by the weather. People nowadays does not have proper storage to place their shoe from any circumstances such as getting wet by rain, being dirt by their pets, getting dust. The goal of this design is to make it simple for people to dry and stores their shoes. A shoe dryer has been devised as a solution to this problem. The design of this mobile shoe dryer, which is light and portable, may give some convenience in terms of drying shoes anyplace. Because the shoe dryer is meant to be a medium-sized item, it is portable and easy to transport. The cabinet she dryer can take below than 3hours to completely dry wet shoe. This cabinet is very potential for people who did not want to wait until day to dry their shoes and to people who want to arrange their shoes in a proper storage. Then, Shoe Dryer Cabinet was created to solve these issues.

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CHAPTER ONE

INTRODUCTION

1.1 Background of Study

Shoes are a pair of pads worn on the feet when outdoors. The shoe protects the foot against cold and heat, abrasion and injury, soil and grime, hard or rough ground surfaces [1]. The selection of footwear that suits one's use and the perfect size can provide comfort to users and can increase the level of safety for them. Shoes need a special space to store them neatly and orderly, so it will need a shoe cabinet. A shoe cabinet is a stylish and functional way to store footwear [2]. But if the shoes are worn are exposed to water and moisture, water can soak into the leather, over time it can cause it to crack, and the dreaded ridges of salt marks can permanently distort them [3]. Smell shoes will make the user feel uncomfortable wearing them. Overuse, sweat, skin shedding, dirt, bacteria, fungus, and lack of aeration can all contribute to stinky shoes [4]. Therefore, keeping your shoes dry is very important, especially to remove the bad odour from our feet. We must keep our feet cleanliness for to avoid people around feeling uncomfortable with us. The constantly moist surface of the skin of the feet will also result in the infection spreading rapidly. In addition, a shoe that store at outside house with no protection have the risk of becoming damp due to rainwater exposure or being protected from sunlight which is a natural heating medium. Problem that occurs in the traditional storage and drying methods such as time consuming, irregular shoe storage and the risk of shoes being exposed to rain moisture. So, it is important to keep your shoe fully dry and neatly arranged.

1.2 Problem Statement

Shoes are a pair of pads worn on the feet when outdoors. The shoe protects the foot against cold and heat, abrasion and injury, soil and grime, hard or rough ground