

UNIVERSITI TEKNOLOGI MARA

**DEVELOPMENT OF A PROTOTYPE
SHOES DRYER BOX USING
HEATER**

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ABSTRACT

The shoe dryer box is a convenient and innovative solution designed to effectively dry and refresh footwear. This compact and user-friendly device utilizes advanced technology to eliminate moisture and unpleasant odors from shoes. The shoe dryer box incorporates a gentle yet efficient drying mechanism that circulates warm air within its enclosed chamber. This process accelerates the evaporation of moisture, helping to prevent the growth of bacteria and fungi that can cause foot-related issues. Additionally, the box is equipped with a built-in deodorizing system that neutralizes odors, leaving shoes fresh and ready to wear. The shoe dryer box is not only practical but also energy-efficient, providing a safe and reliable solution for individuals seeking to maintain the cleanliness and longevity of their footwear.

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CHAPTER ONE

INTRODUCTION

1.1 Background of Study

Shoes is one of necessary things in people life. Everyone are using shoes everyday as their protection on the feet. Shoes also one of the thing that people use to be more confident to walk in daily use. There are many benefits can get from wearing the shoes. Either for work, style and daily use. So, shoes is one of the things that important in daily life.

In our country rainy is one of the weather. If the day was rainy, there will rainy heavily. Because of that weather, it will effect our things on many ways. One of that is it will cause our shoes wet.

Shoes are always being used in daily routines like to go to work or school. If the day was rainy, the shoes would be wet. When the shoes being wet, there are too hard to be dry. We should be waiting for hot day to dry the shoes. There are too late to be the shoes dry. Therefore, in this project a shoe dryer box was design to help people to drying their shoes in a short time. People can dry their shoes anytime they want without waiting for hot weather.

1.2 Problem Statement

Firstly, the problems are when the shoes are hard to dry when used in shoe dryer. Furthermore, usually students only has one shoes for their daily used. So this dryer are very suitable for them because it can help their shoes dry quickly and can wear it every day. In Malaysia, there has a monsoon season. Monsoon season is the season that everyday will rain and the day are not hot anymore. In this situation, there are so hard to dry the shoes if people don't have shoes dryer in their house. Next, there are so many problem if shoes are not dry well. The example is shoes will be smelly because of wet. Next the bacteria will able to grow in that shoes and produce smelly feet.