

UNIVERSITI TEKNOLOGI MARA

**DESIGN, ANALYSIS AND
FABRICATION OF
AUTOMATIC UMBRELLA DRYER**

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ABSTRACT

This project is presenting an automatic umbrella dryer. This project will overcome problem umbrella is wet after the rain and the user can't enter the building with their umbrella. They also worried if their umbrella is put outside the building without a guard. The objective of this project is to fabricate Automatic umbrella dryer to make the umbrella dry in a short time. This project intends to analyze and fabricate aa automatic umbrella dryer which is has more advantage. This project will create the machine that can make the umbrella dry in a short time and user will not use any energy to make the umbrella dry. In conclusion, this project has a lot of benefit and all people can use it everywhere and anytime.

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CHAPTER ONE

INTRODUCTION

1.1 Background of Study

Malaysia is a country that has a tropical climate. [1] In certain months rain will fall on average 200mm in June and July and about 350mm in November and December.

[1] Umbrellas were invented to aid in the protection of people from the rain. [2] However, there was an issue that we encountered when using an umbrella, and this problem is common among those who wish to enter a building with their umbrella. When the weather is wet, the security officer at the door may refuse to let you bring your umbrella into the premises. As a result, I came up with the idea to develop this Automatic Umbrella Dryer. To dry clothing, this gadget employs the same principle and procedure as a dryer. To dry the umbrella, it will employ concept spinning. The umbrella will dry after using this method because when the machine spins the umbrella, the water on the umbrella will splash into the machine, which the machine will collect. As a result, when I remove the umbrella from the machine, it is completely dry. Simultaneously, when we wish to dry our umbrella and leave it outside the building, we run the danger of it being stolen. [3] As a result, we may take our umbrella with us wherever we go using this machine.

1.2 Problem Statement

The issue statement is that an umbrella will get wet after being used in the rain, and users will be unable to bring their umbrella inside any building since it will spray water all over if they do not dry it before entering. It also poses a risk of our umbrella being stolen if we leave it outside the premises. [3]