

UNIVERSITI TEKNOLOGI MARA

**FABRICATION, ANALYSIS AND
DESIGN ON REMOTE-CONTROLLED
MOP**

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ABSTRACT

There is a lot of tools for cleaning home. In this project, the chosen tool to have a modification is a mop. Mop was known as a tool to clean the floor from dust or anything that makes the floor dirty. This mop is a useful tool, however this project is to upgrade the function of the mop that is the mop with a controller. The objectives of this project is to design a mop with a controller and to analysis and fabricate the mop with a controller. The expected result is this mop will show a great result and a very good outcome.

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CHAPTER ONE

INTRODUCTION

1.1 Background of Study

At this moment, for this mopping problem there are already initiative that helps to do it easier such as robot mop. However, the product still has some issue. For an example, the some product's price is too expensive. Other than that, user easily get backache because they need to bend down for a long time while mopping. Because of that problem, the idea to making an advanced mop which is a mop that can be controlled by using a controller. With this idea, it might help the cleaner to solve some problem that they currently faced. Using this product, the cleaner might be able to do the cleaning work in a short time and much easier. In short, the aim of this project is to help people to be able to clean or mopping the floor without facing any problem at the same time to produce a good outcome.

1.2 Problem Statement

Nowadays, there is a lot of types of mops such as flat mop, sponge mop and spin mop. However, all that mop has a few common problems or disadvantages which is the mop still need human power to use it. For this timeline, the existing of mop should not need human power cause of the advanced of technology. It is important to be solved because it is no longer suitable for this high technology era. In order to bring an improvement, the solution needed is to apply a controller ta a mop. With this, there will be a benefit for the user. The user will be able to save energy when moping using controlled mop compared to done it by themselves, In Conclusions, by applying this method mopping will be done much easier.

1.3 Objectives

The main objectives of this project are