

UNIVERSITI TEKNOLOGI MARA

**DESIGN, ANALYSIS, AND
FABRICATION OF AN AUTOMATIC
WIRELESS DOOR LOCK**

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ABSTRACT

This project presenting an automatic wireless door lock which is making it easier for someone to open a door from a distance. There is an English locksmith who has invented a safety lock in 1784. The reasons why there was a locksmith who invented the locks because they want to keep their belongings safe from the burglars. The problem is the door locks in these days so fragile and can be easily bypassed. Also, it is discomfited for people to open it manually several times soon. The useful strategy tools to create a competitive advantage for the safety locks is make research about how to tougher the safety locks. Find a way to make safety locks comfort on opening it also give another advantage to the user. These finding will help the designer to complete his project effectively.

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CHAPTER ONE

INTRODUCTION

1.1 Background of Study

A simple door lock is indeed fragile. It is expected that a simple door lock will have severe consequences. Furthermore, manual door locks are a major problem for users if the user is disabled. This causes discomfort, worsening the condition of the disabled, and various other manual door lock problems. The risks of fragile door locks also include an increase in theft cases, an increase in murder cases and undesirable situations. In addition to the problem of manual and simple door locks, many studies show that automatic door locks that use a remote control can simplify the affairs of users. Given the above factors replacement for manual and simple door locks is essential.

1.2 Problem Statement

It will be a problem if someone uses a lock door lock when the lock is damaged, bent or missing. Another statement of the problem is that the door lock is not strong enough and an intruder can bypass security easily.

1.3 Objectives

The main objectives of this project are:

- a) To design an automatic wireless door lock.
- b) To increase the safety and toughness of door lock.