

**Universiti Teknologi MARA**

**Emergency Finder**

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## **ABSTRACT**

In this study, GPS tracking is becoming the most popular used to navigate to the destination in real time on the maps such as hospital. GPS and satellite communication are used to identified the area. Mostly GPS is used for outside environment, but it's depend on the satellites which communicate to the server and make it less ineffective for inside environment. The technology can define current location of the object through coordinates. Latitude and longitude will determine the current location of the object and can view through the maps which require internet connection. Thus, this technology was helpful use a lot in such a way. In emergency situation, this project develops to help the user find the nearby emergency location such as hospital to minimize their finding time. For completed this project, waterfall model is used in methodology such as analysis, requirements, design, evaluation, implementation, testing and development. The prototype was tested with several existing applications in the market to test the efficiency and functionality.

# TABLE OF CONTENTS

<b>CONTENT</b>	<b>PAGE</b>
<b>SUPERVISOR APPROVAL</b>	<b>ii</b>
<b>STUDENT DECLARATION</b>	<b>iii</b>
<b>ACKNOWLEDGEMENT</b>	<b>iv</b>
<b>ABSTRACT</b>	<b>v</b>
<b>TABLE OF CONTENTS</b>	<b>vi</b>
<b>LIST OF FIGURES</b>	<b>x</b>
<b>LIST OF TABLES</b>	<b>xii</b>
<b>LIST OF ABBREVIATIONS</b>	<b>xiii</b>
<b>CHAPTER ONE: INTRODUCTION</b>	
1.0 Introduction	1
1.1 Project Background	1
1.2 Problem Statement	3
1.3 Project Objective	4
1.4 Project Scope	4
1.5 Significance of Study	4
1.6 Conclusion	4

# CHAPTER 1

## INTRODUCTION

### 1.0 Introduction

Emergency situation need an immediate action in order to recover the situation (House of Commons. Health Committee,2013). There are a variety of systems for monitoring and controlling any system such as for manufacturing process, inventory system and emergency control systems. Mobile communication devices are widespread used and have become especially common in metropolitan area. Communication system operators tend to build communication system to maximize system use, but provide enough resources to handle periods of increased demand. However, during emergency situations, communication system resources in the affected reach capacity and unable to acquire the communication services.

### 1.1 Project Background

Knowing the route model make easier to the user for travel to the emergency location, but those who are not familiar with the area will cause a problem to find the emergency location. In recent years, mobile platform and smartphone become the most relevant things of the human beings. Most of the operating system have provide such functionality which help the developers to build a simple application. Because of quick development and immense changes in Android, best design an efficient application need to develop and make sure that the technology worth for human used.

Emergency Finder is one of the application that help the community to find the destination which are reduce the finding time. Based on the statement given by Andy Rubin who is Google's director mobile platforms, precisely the objective of the Android stack (stack consist of operating system and