

UNIVERSITI TEKNOLOGI MARA

**TOURTRACKER IN ANDROID
APPLICATION MOBILE**

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ABSTRACT

Travelling is a kind of activity that people do leisurely and relaxing. People nowadays do not only travel for business or working purpose only. Technology has become advanced and a lot of development has happened concerning the objective of the application. This paper discusses the use of Android application for the needs of small tourist groups when they are travelling. Location Based Services (LBS) is a widely used method in mobile data services with the rapid development in wireless communication and location positioning technologies. In consideration of the needs of the small tourist group, TourTracker has been developed in a way to help them find their group member's location when they are suddenly lost. Besides that, this application also has a list of landmarks that can be useful during emergencies such as hospital, police station, mosque and bank. TourTracker includes functionality to show the map around one of the best tourist attractions in Malaysia which is Petronas Twin Tower. It also shows the route direction to the landmark chosen. The location of group members can also be notified in this application where users may view the current location of their members. However, this application was limited to the location around Petronas Twin Tower only. Maximum five tourists have been chosen with their latest version of Android mobile. Within the architecture, it is hoped that it can bring benefits to the target users.

TABLE OF CONTENTS

CONTENTS	PAGE
SUPERVISOR’S APPROVAL	ii
DECLARATION	iii
ACKNOWLEDGEMENT	iv
ABSTRACT	v
TABLE OF CONTENTS	vi
LIST OF FIGURES	ix
LIST OF TABLES	x
LIST OF ABBREVIATIONS	xi

CHAPTER ONE: INTRODUCTION

1.1	Background of Study	1
1.2	Problem Statement	2
1.3	Aim and Objectives	3
1.4	Project Scope	3
1.5	Research Significance	3
1.6	Outline of the Thesis	4

CHAPTER TWO: LITERATURE REVIEW

2.1	Technology Used	5
2.1.1	Mobile Operating System Technology	5
2.1.1.1	Benefits of using Android	7
2.1.2	Navigation System Technology	8
2.1.3	Location Based Services (LBS)	9
2.1.3.1	Triggered LBS Services (Push Services)	9

CHAPTER 1

INTRODUCTION

1.0 Background of Study

The rapid growth of technology and the wide use of smartphones have opened a new dimension of ways for the tourism industry. With the respective mobile applications has create a connection between tourism industry and travellers. Among all the applications in the mobile application business, seventh most popular category of apps being downloaded is travel applications (Mickaiel, 2011).

According to Goh et. al, mobile tourism application is useful for the tourist as if it can save time and has less work by providing quality information required by the services they choose (Determining Services for the Mobile Tourist, 2010). By using application for tourism, booking accommodation, planning tours and provides tourist location near the tourist's current location can be easier. The user can dependent on the electronic maps and guidebooks. Other than that, in the market, the applications were ranked according to their usability and benefits to the user.

There are a lot of applications in the market and used by the traveller but it was not specifically meant for travel such as Google Maps, Facebook, Twitter and Skype. The characteristics of travelling apps are the application that can group items together (Nickerson et.al, 2009). For instance, navigation includes Global Positioning System, augmented reality, communication or social component; travel planning, security and emergency (K.E Heather and G. Gretzel, 2012).