

BATRISYIA BINTI CHE AZANI

BACHELOR OF SURVEYING SCIENCE AND GEOMATICS (HONOURS)

AUGUST 2023

MOBILE APPLICATION DEVELOPMENT FOR ECOTOURISM IN
PERLIS

BATRISYIA BINTI CHE AZANI
2021483066



CENTRE OF STUDIES FOR SURVEYING SCIENCE AND GEOMATICS
COLLEGE OF BUILT ENVIRONMENT
UNIVERSITI TEKNOLOGI MARA MALAYSIA

AUGUST 2023

**MOBILE APPLICATION DEVELOPMENT FOR
ECOTOURISM IN PERLIS**

BATRISYIA BINTI CHE AZANI

2021483066



**Thesis submitted to the Universiti Teknologi MARA Malaysia
in partial fulfilment for the award of the degree of the
Bachelor of Surveying Science and Geomatics (Honours)**

AUGUST 2023

DECLARATION

I declare that the work on this project/dissertation was carried out in accordance with the regulations of Universiti Teknologi MARA (UiTM). This project/dissertation is original, and it is the result of my work, unless otherwise indicated or acknowledged as referenced work.

In the event that my project/dissertation be found to violate the conditions mentioned above, I voluntarily waive the right of conferment of my degree of the Bachelor of Surveying Science and Geomatics (Honours) and agree be subjected to the disciplinary rules and regulations of Universiti Teknologi MARA.

Name of Student : BATRISYIA BINTI CHE AZANI
Student's ID No : 2021483066
Project/Dissertation Title : Mobile Application Development for Ecotourism in
Perlis
Signature :
Date : 9th August 2023

Approved by:

I certify that I have examined the student's work and found that they are in accordance with the rules and regulations of the School and University and fulfils the requirements for the award of the degree of Bachelor of Surveying Science and Geomatics (Honours).

Name of Supervisor :
Signature and Date :

ABSTRACT

Tourism is one of the industries that bring profit to a country. For tourism business to success, it usually determined by tourism planning, development research and marketing. Thus, the implementations of GIS application become one of the reasons why the tourism industry booming in this era. The advance of technology in IT which latter help the development of GIS technology which will help provide exceptional options and chances to establish modern tourism application. GIS application is used to a database that caters the need of user. In tourism, for example, the layers of spatial and non-spatial data were created based on the selected area. Furthermore, with evolution happening with mobile phones, more things can be done with just a touch. To which led to this study aim, to develop a mobile application for Perlis state park, Kelam cave and Bukit Ayer recreational forest. To achieve this aim, Android Studio and Google Map will be used to create a database and coding for the mobile app respectively.

TABLE OF CONTENTS

CHAPTER	TITLE	PAGE
	DECLARATION	ii
	ABSTRACT	iii
	ACKNOWLEDGEMENT	iv
	TABLE OF CONTENT	v
	LIST OF FIGURES	vii
	LIST OF TABLES	viii
	LIST OF ABBREVIATIONS	ix
1	INTRODUCTION	1
	1.1 Background Study	1
	1.2 Problem Statement	1
	1.3 Aim and Objectives	2
	1.4 General Methodology	3
	1.5 Scope of Study	3
	1.5.1 Study Area	3
	1.5.2 Software	4
	1.6 Significant of Study	5
	1.7 Summary	5
2	LITERATURE REVIEW	6
	2.1 Introduction	6
	2.2 Tourism	6
	2.3 Types of Tourism	7
	2.4 Smart Tourism	8
	2.5 Interesting Places in Perlis	8
	2.5.1 Perlis State Park	8
	2.5.2 Kelam Cave	9