

Universiti Teknologi MARA

**MOBILE APPLICATION FOR TAMAN BOTANI
NEGARA SHAH ALAM**

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ABSTRACT

These days, people rely on technology to solve things, especially mobile application because of the flexibility and mobility they provide. They want all the information to be obtained within a short period of time. Mobile apps are preferred to replace traditional systems because of the fact that people want timely information while information is known to be limitless, the application is viewed to be able to handle the user request whenever the user requested. Therefore, the project aims to develop a mobile application for Taman Botani Negara Shah Alam to facilitate visitors to find places of interest to visit that meet their needs, activities and attractions. In addition, this mobile application also allows visitors to access information anywhere from mobile devices with regard to mobile devices through the design and guideline of the mobile application. In addition, this application can make it easier for visitors to get more information just click at picture provided and that picture have all information about that place. This mobile app also provides guidance to visitors who visit Taman Botani Negara Shah Alam easily. Overall, there is no doubt that this mobile application will benefit those who are interested in visiting Taman Botani Negara Shah Alam. The problem that caused the project was difficult to map the place to provide precise location because in Taman Botani Negara Shah Alam there was no route in GPS. The problem is then carefully examined using the Mobile Application Development Lifestyle (MADLC) to find the most suitable solution. Additionally, the expected results of this project are being developed and iOS mobile applications are considered to be capable of addressing this problem. However, many other improvements can still be used to enhance the potential of this project such as providing complete information and guidance on the Taman Botani Negara Shah Alam area. The methodology used to develop mobile applications is the Mobile Application Development Lifecycle (MADLC) as it is an appropriate approach that can be used to develop mobile applications quickly in a structured manner. For future work, this project can be enhanced in terms of its features and functions.

Keyword: Mobile Application, Taman Botani Negara Shah Alam, Technology, Visitor, Mobile Application Development Lifecycle(MADLC).

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CHAPTER 1

INTRODUCTION

1.1 Project Background

Taman Botani Negara Shah Alam is one of the recreation park in Malaysia. The Taman Botani Negara Shah Alam, Selangor. Taman Botani Negara Shah Alam, Selangor is one of the largest botanical gardens in Malaysia (Utusan Malaysia, 2010). The number of visitors coming to this park is increasing every year. Besides that, Taman Botani Negara Shah Alam is aiming to be the national center of excellence within the field of education, scientific research and conservation for the development of botanical, horticulture, agriculture another various related fields. Furthermore, Taman Botani Negara Shah Alam is situated within the perimeter of research and development centres such as the Forest Research Institute of Malaysia (FRIM) and Malaysian Agricultural Research and Development Institute (MARDI) as well as public higher learning institutions such as Universiti Putra Malaysia (UPM), Universiti Teknologi Mara (UiTM), Universiti Kebangsaan Malaysia (UKM) and Universiti Malaya which enables botanical, agronomical, veterinary, fishery and other experts to optimise its existence in the specified fields. According to Norhuzailin, Mohd Kher and Leng LT, (2015), park is a place where people can enjoy, have fun, exercise, recreation and appreciation of nature. The area consists of natural, semi-natural, or planted areas of grass, stone, soil, and trees, and contains buildings and other artifacts such as monuments, fountains, playground structures, benches, picnic tables and shelters. Many parks have walks, bicycles and other activities. Besides that, one of the basic components of the people's well-being is the lack of recreational opportunities (Nurazlina A.B, Nurhayati A.M & Mazlina M, 2016).

In the study, there are some issues that can affect visitors who come to Taman Botani Negara Shah Alam. Among them is the use of static maps such as the bigger