UNIVERSITI TEKNOLOGI MARA

DEVELOPMENT OF WEB BASED FOR RAPID PENANG BUS TRACKING SYSTEM

NUR FARAHIN BINTI MAHAMAD ZUKI

Dissertation submitted in partial fulfillment
of the requirements for the degree of
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Faculty of Architecture, Planning and Surveying

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AUTHOR'S DECLARATION

I declare that the work in this dissertation was carried out in accordance with the regulations of Universiti Teknologi MARA. It is original and is the results of my own work, unless otherwise indicated or acknowledged as referenced work. This thesis has not been submitted to any other academic institution or non-academic institution for any degree or qualification.

I, hereby, acknowledge that I have been supplied with the Academic Rules and Regulations for Post Graduate, Universiti Teknologi MARA, regulating the conduct of my study and research.

Name of Student	:	Nur Farahin Binti Mahamad Zuki
Student I.D. No.	:	2015438186
Programme	:	Bachelor of Surveying Science And Geomatics (Hons) AP220
Faculty	:	Architecture, Planning & Surveying
Thesis Title	:	Development Of Web Based For Rapid Penang Bus Tracking System
Signature of Student	:	……..
Date	:	July 2019

ABSTRACT

Providing an efficient public transportation with limited resources available is a challenge in a developing country such as Malaysia. Over time, the number of users of public transport decreases gradually due to the lack of service quality provided. This situation leads to the increasing number of private vehicles and reduction in the usage of public transport. To find out more about this situation, some research had done to find out the issue and problem in Rapid Penang through the questionnaire. Although the system is efficient, it is still inadequate to attract people to use their service. Some improvements are needed in order to make buses as a preferred mode of travel. To provide the information to user, a development of the web based will help user to get the information such as the schedule, bus route, time taken, bus frequency and other easily. It will increase the quality in order to make the user choose the public transportation as a transport to reach their destination. This development of the web based can help tourist and local user identify the journey and can manage their time to travel wisely. The web based are visual method in order to view the information that related to the Rapid Penang services. Thus, efficient system will increase the socio economic development in Pulau Penang.

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