

UNIVERSITI TEKNOLOGI MARA

**PREFERENCE SHOPPING MALL
IN PENANG ISLAND BY USING
GIS APPLICATION**

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Thesis submitted in fulfillment
of the requirements for the degree of
Bachelor Science of Geomatics

Faculty of Architecture, Planning and Surveying

July 2018

AUTHOR'S DECLARATION

I declare that the work in this thesis/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.

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ABSTRACT

People nowadays want a quick and easy life. With the evolution of technology, people want something that gave an easy life for them. To help in achieving that, this study is done in hope it can help people to have a good planning trip especially in congested area. Map is considered as one of tool which is important to provide information of certain places. The data that will be provided in GIS map application may provide the useful information for the public users, thus can give contribution to Penang Island in context of tourism and economy. The aim of this study is to produce an application consists of map of Penang Island includes path and hotspot shopping malls by using GIS analysis. By going through five crucial stages starting from planning stage, data collection stage, data processing stage, data analysis stage and data visualization stage, the aim has been achieved.

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