

UNIVERSITI TEKNOLOGI MARA

**ACCIDENT MAPPING BETWEEN
2015-2010 IN UiTM PERLIS BRANCH
USING GEOGRAPHICAL
INFORMATION SYSTEM
APPLICATION**

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Disertation submitted in partial fulfillment
of the requirements for the degree of
**Bachelor of Surveying Science and Geomatics
(Honours)**

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AUTHOR'S DECLARATION

I declare that the work in this thesis 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

Malaysia is one of the few countries in terms of road safety as Malaysia has a lot of accidents and has a higher accident rate than other countries. Accident statistics show that driver error in Malaysia is responsible for over 90% of road accidents. Motorcyclists and pedestrians, have the worst record for all road users. At that time, about 41% of fatalities were motorcyclists, followed by 20% for pedestrians and 13% for motorists. This phenomenon is in stark contrast to the situation in more developed countries such as the United States, where about half of them are killed on U.S. roads are occupants of passenger cars and motorcycle deaths are less than those for light trucks and van occupants. Road fatalities are decreasing when there are several preventable road accident factors. The purpose of this study was to determine the level of heat accidents by mapping road accidents on campus. In addition, assess the associated physical risks. To this end, accidental data from the past five years have been collected and compiled in the Geographic Information System (GIS) for analysis. GIS identifies accident hotspots on campus. To calculate the number of accidents on campus, data such as the number of deaths and the amount of transportation is required.

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