UNIVERSITI TEKNOLOGI MARA

UiTM (Perlis) Web-based of Al-Farabi 3: ICT devices Inventory

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Thesis submitted in fulfilment of

the requirement for the degree of

Bachelor of Surveying Science and Geomatics (Hons)

Faculty of Architecture, Planning and Surveying

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

Presently, facility management is a growing for both academic studies and construction. Responsibility for wide range of services such as utilities generation, operation and maintenance, construction, and distribution are being taken by facilities management departments in most agencies. They responsible to involve query, edit and update data for emergency response and other important tasks which is regarding to facilities. However, there is no system involve the time consuming for maintenance. The aim of this study to develop a GIS web-based system on facility management in Al-Farabi 3. To achieve the aim, the objectives of this study are: 1.to display ICT inventory through web site platform and 2. to implement and testing the performance of the web-based system. In this study, several data is used such as spatial data and attribute data using Arcmap software covered area Universiti Teknologi Mara (UiTM) Arau, Perlis. In ArcMap, spatial entities were extracted from the digitized by either importing them to the geodatabase. Example of attribute data required is building name, room name and ICT devices. The significant of this study is able to access through the website platform to monitor ICT devices inventory.

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