

**UNIVERSITI TEKNOLOGI MARA**

**SHIS: SMART HEALTHCARE INFORMATION  
SYSTEM FOR DIRECTION GUIDELINES IN  
HOSPITAL SULTANAH MALIHA,  
PULAU LANGKAWI**

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Thesis submitted in fulfilment

Of the requirement for the degree of

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**(Hons.)**

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## **AUTHOR'S DECLARATION**

I declare that the work on this thesis was carried out in accordance with the regulations of Universiti Teknologi MARA. It is original and 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 Undergraduate, Universiti Teknologi MARA, regulating the conduct of my study and research.

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## **ABSTRACT**

Geographic Information System provides an excellent means for visualizing and analyzing epidemiological data, revealing trends, dependencies and also inter-relationships. In industry and big organizations facility management has become a managing tool of more and more importance. In times of decreasing profit rates and harder competition every company is forced to develop better strategies for resource and facility management. Smart Healthcare Information System (SHIS) is a comprehensive, integrated information system built for managing the operations in showing the detail information about the positions department, direction and treatment procedure in the Hospital. SHIS as any other integrated system, needs time for developing, require special type of professional skills for development and software production for the system. Hospital Information System helps in improving efficiency, both on the cost and the clinical care perspective. This is achieved by avoiding delays, misunderstanding, guideline and confusions. SHIS also helps in improved healthcare information procedure knowledge with better guideline provided, faster the patient or visitors time to see the directory, higher quality information and more versatility in information display. This project provided a basic understanding of how to work with SketchUp Software in GIS, and explore the interactive map the carry out the best result of this project by Using Adobe Flash Player Professional.

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