UNIVERSITI TEKNOLOGI MARA

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

NOR ATIKAH BINTI JULAI RAHMAN

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.

Name of Student : Nor Atikah Binti Jula Rahman
Student I.D. No. : 2016298924
Programme : Bachelor of Surveying Science & Geomatics (Hons) – AP220
Faculty : Architecture, Planning and Surveying
Thesis : SHIS: Smart Healthcare Information System For Direction Guidelines In Hospital Sultanah Maliha, Pulau Langkawi

Signature of Student : ..................................................
Date : July 2019
**ABSTRACT**

Geographic Information System provides an excellent means for visualizing and analyzing epidemiological data, revealing trends, dependencies and also interrelationships. 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.
# TABLE OF CONTENT

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>ABSTRACT</td>
<td>iv</td>
</tr>
<tr>
<td>ACKNOWLEDGEMENT</td>
<td>v</td>
</tr>
<tr>
<td>TABLE OF CONTENT</td>
<td>vi</td>
</tr>
<tr>
<td>LIST OF FIGURE</td>
<td>x</td>
</tr>
</tbody>
</table>

## CHAPTER ONE: INTRODUCTION

1.1 Introduction 1
1.2 Research Background 1
1.2 Problem Statement 3
1.3 Purpose of the Study 4
  1.3.1 Aim of the Study 4
  1.3.2 Objective of the Study 4
1.4 Significant of Study 5
  1.4.1 Study Area 6
1.5 Flow Chart of Methodology 7
1.6 Organization of the Report 9
1.7 Summary 10
CHAPTER TWO: LITERATURE REVIEW

<table>
<thead>
<tr>
<th>Section</th>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.1</td>
<td>Introduction</td>
<td>11</td>
</tr>
<tr>
<td>2.2</td>
<td>Geographic Information System (GIS)</td>
<td>11</td>
</tr>
<tr>
<td>2.2.1</td>
<td>Definition of Geographic Information System (GIS)</td>
<td>11</td>
</tr>
<tr>
<td>2.2.2</td>
<td>The Growth of Geographic Information System Technology in Healthcare</td>
<td>12</td>
</tr>
<tr>
<td>2.2.3</td>
<td>Geographic Information System (GIS) Applications</td>
<td>13</td>
</tr>
<tr>
<td>2.3</td>
<td>Geographic Information System (GIS) in Healthcare Information System</td>
<td>14</td>
</tr>
<tr>
<td>2.3.1</td>
<td>Geographic Information System (GIS) in Public Health Management</td>
<td>14</td>
</tr>
<tr>
<td>2.3.2</td>
<td>The Application of Geographic Information System (GIS) in Health Information System</td>
<td>15</td>
</tr>
<tr>
<td>2.3.3</td>
<td>Development in Building Mapping and Healthcare Building Information System</td>
<td>15</td>
</tr>
<tr>
<td>2.4</td>
<td>WebGIS</td>
<td>16</td>
</tr>
<tr>
<td>2.4.1</td>
<td>WebGIS: An Overview</td>
<td>16</td>
</tr>
<tr>
<td>2.4.2</td>
<td>The Need for WebGIS</td>
<td>17</td>
</tr>
<tr>
<td>2.3.3</td>
<td>Internet of Things (IoT)</td>
<td>17</td>
</tr>
<tr>
<td>2.4.4</td>
<td>Internet of Things and WebGIS</td>
<td>18</td>
</tr>
<tr>
<td>2.3.5</td>
<td>Health Application Using WebGIS</td>
<td>18</td>
</tr>
<tr>
<td>2.5</td>
<td>Geographic Information System Technology in Healthcare Information System</td>
<td>19</td>
</tr>
<tr>
<td>2.5.1</td>
<td>Information Technology in Healthcare Facilities Management</td>
<td>19</td>
</tr>
<tr>
<td>2.5.2</td>
<td>The Process of Healthcare Facilities Management System</td>
<td>19</td>
</tr>
<tr>
<td>2.5.3</td>
<td>Geographic Information System Technologies in the Process of Healthcare Information System</td>
<td>20</td>
</tr>
</tbody>
</table>
CHAPTER THREE: METHODOLOGY

3.1 Introduction 23

3.2 Detail of Methodology 24

3.3 WebGIS Tools 26
  3.3.1 SketchUp 26
  3.3.2 Adobe Flash Professional CS6 27
  3.3.3 Adobe Firework CS6 28
  3.3.4 HyperText Markup Language (HTML) 29

3.4 Data Acquisition 30
  3.4.1 Floor Plan of Building at Hospital Langkawi 30
  3.4.2 Fire Escape Plan 31
  3.4.3 Procedure of Department treatment Services at Hospital Langkawi 32

3.5 Data Processing 33
  3.5.1 Pre – Processing 34
    3.5.1.1 Drawing each floor plan of the Building 34
    3.5.1.2 Create attribute information about the treatment Procedure 35
  3.5.2 Processing 36
    3.5.2.1 Build Visualization of the Building 36
    3.5.2.2 Show Direction of Exit Route for Each Floor Level 36
    3.5.2.3 Distribute the Right Flow of Treatment Services 36
CHAPTER FOUR: RESULT AND DISCUSSION

4.1 Introduction 40

4.2 Map position visualization for Hospital Langkawi 40

4.3 Web Based Application for SHIS: Smart Healthcare Information System for Hospital Sultanah Maliha, Pulau Langkawi 42

4.4 Analysis of the Questionnaire about this web-based Application. 46

4.5 Discussion of the WebGIS application for Hospital Sultanah Maliha, Pulau Langkawi 51

4.6 Summary 53

CHAPTER FIVE: CONCLUSION

5.1 Introduction 54

5.2 Conclusion 54

5.3 Recommendation 55

5.4 Summary 55

REFERENCES