

GIS TOURISM WEB BASED AT KAMPUNG SEBERANG RAMAI, PERLIS

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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

Tourism is an industry that has a significant economic impact because it contributes to the development of other industries through a multiplier effect. Geographical Information System (GIS) technology has a lot of potential applications in tourism management and planning. Some of the significant aspects of GIS that might assist tourist planning are managing spatial data and giving essential value-added information. The location of Kampung Seberang Ramai, which is relatively unknown to the general public, makes this area challenging to discover when using a hardcopy map. So, to solve this issue, it is necessary to create a web-based version of this area for public users to access and visualize. This study aims to encourage Kampung Seberang Ramai to become an attractive tourism sector in Perlis. The objectives of this study are i) to collect the tourism information and places using geospatial approach, ii) to develop an interactive tourism web-based at Kampung Seberang Ramai, and iii) to test the output of GIS tourism web-based system. The website was developed using the waterfall model. This web-based generated using open sources like Wix Web Editor. In system testing, analysis can be made of the web-based development by distributing the questionnaire to 30 respondents and analyzing user satisfaction on the GIS tourism web-based development. This study has benefited tourists in obtaining information about tourism in Perlis. The result for this study is a product of web-based GIS on Kampung Seberang Ramai, Perlis, and one of the ways to help the development of tourism in the country.

Keywords: Geographic Information System, Tourism, Web-based

TABLE OF CONTENT

		Pages	
CON	CONFIRMATION BY PANEL OF EXAMINERS SUPERVISOR'S DECLARATION		
SUP	SUPERVISOR'S DECLARATION		
ABS	5		
ACK	6		
TAB	7		
LIST	11		
LIST	12		
LIST	14		
CHAPT	15		
INTRO	DUCTION	15	
1.1	Research Background	15	
1.2	Problem Statement	16	
1.3	Research Question	17	
1.4	Aim and Objectives	17	
1.5	Scope of Study	17	
1.6	Significant of Research	18	
CHAPTER 2		19	
LITER	LITERATURE REVIEW		
2.1	Introduction	19	
2.2	Tourism industry	19	
2.3	GIS and tourism	20	
2.4	Tourism Marketing	22	
2.5	Tourism Planning and Development	23	
2.6	Web-Based GIS Concept	24	
2.7	Software	26	

CHAP	TER 4		48		
RESULT AND ANALYSIS					
4.1	Introd	luction	48		
4.2	In situ	ı data collection	48		
4.3	Intera	ctive Web Map	50		
4.4	Resul	t and description of the web-based tourism content	51		
	4.4.1	Home Page	51		
	4.4.2	About Page	53		
	4.4.3	Interactive Map Page	54		
	4.4.4	Attractive Places Page	57		
	4.4.5	Contact Page	59		
4.5	Resul	t of user acceptance and analysis	60		
	4.5.1	Demographic information	61		
	4.5.2	The respondent's view for the web that has been developed	63		
	4.5.3	Information easier to understand in web-based tourism by invo	olving		
	with an interactive map				
	4.5.4	The use of the "pop-up" button on the map	64		
	4.5.5	The use of the image and description or historical in the web-			
	tourism	help tourist to get first impression about this tourism place	65		
	4.5.6	Web-based tabs to go to the next page	66		
	4.5.7	The use of the social media button like Facebook, Instagran	n and		
	Youtube can give more information				
	4.5.8	Satisfying of the respondent about this web-based content	67		
	4.5.9	Suggestion from the respondent	67		
4.7	Sumn	nary	68		
CHAP	CHAPTER 5 69				
CONC	OIZHT	N AND RECOMMENDATION	69		