

UNIVERSITI TEKNOLOGI MARA

**DEVELOPMENT OF WEB-BASED GIS FOR
MONITORING FOREIGN DIRECT INVESTMENT
INFLOW OF SOUTHEAST ASIA DEVELOPING
COUNTRIES (2006-2016)**

SITI NOOR NADIAH BT MOHD RAFIDI

Thesis submitted in fulfillment
of the requirements for the degree of
**Bachelor of Surveying Science and Geomatic
(Hons.)**

Faculty of Architecture, Planning and Surveying

July 2019

AUTHOR’S DECLARATION

I declare that the work in this 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.

Name of Student : Siti Noor Nadiah Binti Mohd Rafidi

Student I.D. No. : 2015484768

Programme : Degree of Science & Geomatics - AP220

Faculty : Architecture, Planning & Surveying

Thesis : Development of Web-Based GIS For Monitoring Foreign Direct Investment Inflow of Southeast Asia Developing Countries (2006-2016)

Signature of Student :

Date : July 2019

ABSTRACT

Mapping and monitoring the Foreign direct investment inflow are deemed necessary especially for investor and government who implement sound policies. Thus, involve six parameters to analyse the increasing of FDI inflow. The aim of this study is to visualise the dynamic trend of Foreign Direct Investment in South East Asia towards countries performance and economic growth among the developing countries in South East Asia. This result of this study would provide a valuable explanation on the relationship between six parameters on the increasing of FDI inflow, thus, it would give relevant views to investors, researchers and government to have the awareness and get the idea what happen nowadays within investment filed by developing dynamic map using Web-Based GIS system.

TABLE OF CONTENT

	Page
CONFIRMATION BY PANEL OF EXAMINERS	ii
AUTHOR'S DECLARATION	iii
SUPERVISOR'S DECLARATION	iv
ABSTRACT	v
ACKNOWLEDGEMENT	vi
TABLE OF CONTENT	vii
LIST OF TABLES	iii
LIST OF FIGURES	iv
LIST OF SYMBOLS	iv
LIST OF ABBREVIATIONS	vi
CHAPTER ONE: INTRODUCTION	1
1.1 Research Background	1
1.2 Statement of Problem	2
1.3 Research Aim and Objective	3
1.4 Contribution of The Research	3
1.5 Scope of Research include Limitation of The Research	4
<i>1.5.1 Scope of Study</i>	4
<i>1.5.2 Limitation of Study</i>	4
<i>1.5.3 Study Area</i>	4
1.6 Research Outline	5
CHAPTER TWO: LITERATURE REVIEW	7
2.1 Introduction	7
2.2 Foreign Direct Investment	7
2.3 Financial Development	8
2.4 Risk of Corruption	9
2.5 Globalization	11
<i>2.5.1 Political Globalization and FDI inflow</i>	12

2.5.2	<i>Social Globalization and FDI inflow</i>	13
2.6	Geographic Information System (GIS)	15
2.7	Web-Based GIS	15
CHAPTER THREE: METHODOLOGY		16
3.1	Introduction	16
3.2	Identify Parameters	16
3.3	Simple Linear Regression	17
3.4	Correlation Analysis	18
3.4	Inversed Distance Weighting (IDW)	19
3.4	Zoning Statistical Tools	19
3.5	System Development Life Cycle (SDLC) Method	20
3.6	Planning	28
3.7	Requirement of Analysis	28
3.7.1	<i>Panel Data Acquirement for Foreign Direct Investment parameters</i>	29
3.7.2	<i>Extraction of Base Map</i>	29
3.7.3	<i>Analysation of FDI Inflow Pattern</i>	29
3.8	Design	29
3.9	Development	30
3.10	Testing	30
3.11	Maintenance	31
3.12	Documentation	31
3.13	Summary of the Chapter	31
CHAPTER FOUR: RESULT AND ANALYSIS		33
4.1	Introduction	33
4.2	Identification of Parameters That Effect FDI Inflow the Most	33
4.2.1	<i>Relationship between Financial Development and FDI inflow</i>	33
4.2.2	<i>Relationship between Population and FDI inflow</i>	36
4.2.3	<i>Relationship between Political Globalization and FDI inflow</i>	40
4.2.4	<i>Relationship between Social Globalization and FDI inflow</i>	43
4.2.4	<i>Relationship between Risk of Corruption and FDI inflow</i>	47
4.3	Analysis of Foreign Direct Investment Dynamic Inflow Trend	50