

Sekolah Siswazah (Graduate School) Universiti Utara Malaysia

PERAKUAN KERJA KERTAS PROJEK (Certification of Project Paper)

Saya, yang bertandatangan, memperakukan bahawa (I, the undersigned, certify that) NAWIN A/L THARUMARAJAH calon untuk Ijazah Sarjana Ekonomi (candidate for the degree of) telah mengemukakan kertas projek yang bertajuk (has presented his/her project paper of the following title) The Determinants of Foreign Direct Investment Flow to Malaysia seperti vang tercatat di muka surat tajuk dan kulit kertas projek (as it appears on the title page and front cover of project paper) bahawa kertas projek tersebut boleh diterima dari segi bentuk serta kandungan, dan meliputi bidang ilmu dengan memuaskan. (that the project paper acceptable in form and content, and that a satisfactory knowledge of the field is covered by the project paper). Nama Penyelia : Prof. Madya Dr. Ahmad Sobri Jaffar (Name of Supervisor) Tandatangan (Signature) Tarikh : 15 Februari 2001 (Date)

UNIVERSITI UTARA MALAYSIA ECONOMICS SCHOOL



THE DETERMINANTS OF FOREIGN DIRECT INVESTMENT FLOW TO MALAYSIA

A thesis submitted by NAWIN A/L THARUMARAJAH

For the award of Masters in Economics

February 200 1

GRADUATE SCHOOL UNIVERSITI UTARA MALAYSIA

PERMISSION TO USE

In presenting this thesis in partial fulfilment of the requirements for a postgraduate decree from the Universiti Utara Malaysia, I agree that the University library may make it freely available for inspection. I further agree that permission of copying of this thesis in any manner, in whole or in part, for scholarly purposes may be granted by my supervisor or, in their absence, by the Dean of the Graduate School. It is understood that any copying or publication or use of this thesis or parts thereof for financial gain shall not be allowed without my written permission. It is also understood that due recognition shall be given to me and to Universiti Utara Malaysia for any scholarly use which may be made of any material from my thesis.

Requests for permission to copy or to make other use of material in this thesis in whole or in part should be addressed to:

Dean of Graduate School Universiti Utara Malaysia 06010 UUM Sintok Kedah Darul Aman

ABSTRAK

Ekonomi Malaysia telah berkembang pesat disebabkan oleh penjanaan pelaburan asing semenjak pet-tengahan 1970 an. Oleh yang demikian, kajian ini bertujuan mengenalpasti faktor-faktor yang mempengaruhi kemasukan modal asing dari tahun 1970 hingga I 998. Analisa regresi akan dijalankan bagi mengenalpasti enam faktor lokasi yang mempengaruhi pelaburan asing di Malaysia. Keputusan kajian mendapati di antara faktor-faktor yang signifikan adalah seperti Keluaran Dalam Negara Kasar (KDNK), pelaburan tempatan, kos buruh dan kadar faedah.

ABSTRACT

As the Malaysian economy continued to record rapid progress on the back of sustained economic growth, the contribution of Foreign Direct Investment to the Malaysian economy expanded at a faster pace since the mid 1970's. Thus, the major concern of this paper is to discuss and assess the determinants or influences that led to the expansion of inward capital inflows to Malaysia over the period of 1970-1998. In this paper, a regression analysis will be carried out to determine the importance of six major locational factors, which was expected to entice foreign firms to locate productions in Malaysia. The result show that factors like Gross Domestic Product, domestic investment, labour cost and interest rates were significant in influencing Foreign Direct Investment to Malaysia.

ACKNOWLEDGMENTS

This thesis could not have been completed without the support and encouragement of my family, friends, colleagues and Almighty Lord Ganesha. In particular, I would like to acknowledge the contribution of my supervisor, Professor. Madya Dr. Ahmad Sobri Jaafar who provided the academic supervision, constructive criticism and moral support necessary to complete this thesis.

I am deeply indebted to my family for their understanding and patience. Without their support I would not have achieved my goal.

TABLE OF CONTENTS

Permission To Use		i
Abstract (Bahasa Malaysia)		ii
Abstract (English)		iii
Acknowledgeme	nts	iv
List of Figures	List of Figures	
List of Tables		vii
List of Appendice	es	ix
1. Introduction	on	1
1.1 Proble	em Statement	1
1.2 Objec	tives of Study	2
2. Literature	Review	4
2.1 Introd	duction	4
2.2 Earlie	er explanations of FDI	5
2.3 Curre	ent explanations on FDI	6
2.3.1	Location Theory	6
2.3.2	Internalisation Theory	7
2.3.3	Firm-Specific and Market Imperfection theory	8
2.3.4	Dunning's 'Eclectic Theory'	9
2.4 Previ	ous Empirical Studies on FDI	11
2.4.1	Developed Economies	11
2.4.2	Developing Economies	12
2.5 Sum	mary of Literature Review	15

3.	Trends of FDI Flows	17
	3.1 FDI inflows to Developing Economies	17
	3.2 FDI inflows to Malaysia	20
	3.2.1 Overview of Policies and Regulations on FDI in Malaysia	25
4.	Methodology	30
	4.1 Model and Data	30
	4.2 Hypothesis	32
5.	Regression Results	36
	5.1 Diagnostic Test	36
	5.2 The Results	38
6.	Conclusion	41
	References	41
	Appendix A - Time-Series Data on FDI from 1970-1998	48
	Appendix B – Best Linear Unbiased Estimator (BLUE) Assumptions.	49
	Appendix C – Mini-Survey and Questionnaire	52
	Appendix D – Regression Results from Statistical Analysis System (SAS)	58

LIST OF FIGURES

FIGURE 3.1 FDI Flows to Developing Regions, 1990-1998	15
FIGURE 3.2 Share of FDI in both Malaysia and other Developing Economies, 1990-1998	21
FIGURE 3.3 FDI Flows to Malaysia, 1970-1998	22
FIGURE 3.4 FDI and Privatised Projects in Malaysia, 1990-1999	24
FIGURE 3.5 Sources of FDI to Malaysia	25
FIGURE 3.6 Contribution of FDI to Malaysia	26

LIST OF TABLES

TABLE 3.1 FDI flows to Developing Regions	18
TABLE 3.2 Top Ten Developing Countries Recipients of FDI, 1987-1998	20
TABLE 3.3 FDI Inflows by Industries, 1997	23
TABLE 5.1 Results from Regression Analysis	36

LIST OF APPENDICIES

Appendix A – Time-Series Data on FDI from 1970-1998	48
Appendix B – Best Linear Unbiased Estimator (BLUE) Assumptions	49
Appendix C – Mini-Survey and Questionnaire	52
Appendix D – Regression Results Obtained from SAS	58

1. Introduction

Malaysia is the second fastest growing economy in the South East Asian region with an average Gross National Product (GNP) growth of eight-plus percent per year in the last decade. Since independence in 1957, Malaysia has moved from an agriculturally based economy to a more diversified and export oriented one. This transition had been made possible among other things by a steady and increasing inflow of Foreign Direct Investment (FDI) to this country especially to cater for the saving-investment gap domestically. FDI inflow into Malaysia had increased tremendously in the last three decades from RM 6 billion in 1970 to RM 25.6 billion in 1997, representing almost a four fold increase in inward capital flows to this nation (UNCTAD, 1995:460).

1.1 Problem Statement.

The International Monetary Fund (IMF) defines FDI as "an investment that is made to acquire a lasting interest in an enterprise operating in an economy other than that of the investor, the investor's purpose being to have an effective voice in the management of the enterprise" (IMF, 1997:4).

An important determinant of FDI inflows to a country is its locational factors. The location theory and Dunning's 'Eclectic Theory' both emphasized that for a country to be attractive to foreign direct investment, the country should possess a number of location-specific advantages. A number of studies have examined FDI inflow to Lower Developing Countries (LDC's) by using the

The contents of the thesis is for internal user only

References

- Agrawal, J.A. 1980, "Determinants of foreign direct investment: A Survey." Weltwirtschaftiches Archive, 116 (4): 739-773.
- Ajami, R.A and Barniv R. 1984, "Utilising economic indicators in explaining foreign direct investment." *US Management International Review*, 24(4): 16-26.
- Aliber, R.Z. 1970, "A theory of foreign direct investment." In C.Kindleberger (ed.), *The International Corporation*, MIT Press, Cambridge, Mass.
- Aliber, R.Z. and Cushman J.H. 1988, "A synthesis of foreign direct investment of Multinational firms." *Journal of International Business Studies*, *Spring Summer*: 43-59.
- Apter, J.A. 1990, "Foreign direct investment in third world countries." *Economica*, 38:1-15.
- Appelbum, J. 1997, "Foreign direct investment in South-East Asia, 3rd volume." Prentice-Hall, London.
- Astbury, L. 1995, "Emergence of FDI in developing nations." Princeton, New Jersey, United States.
- Bank Negara Malaysia, *Annual Report*, Government Publishers, Kuala Lumpur (Various Issues).
- Buckley, P.N. 1976, "The industrial structure of US direct investment in Third World countries." *Journal of International Business Studies* 7, Fall/Winter: 5-23.

- Buckley, P.N. and Casson, S.M. 1978, "Recent Inflows of foreign direct investment in Europe." New York: Praeger.
- Caves, R.E. 1971, "International Corporation: The industrial economics of foreign investments." Economica 3(149) Feb.: 1-27.
- Casson, S.M. 1978, "Recent foreign direct investment in Western Europe." New York: Preager.
- Chen, D.O. 1983, "Foreign direct investment in the Asian region." *Journal of Financial Analysis*.
- Coase, T.K. 1934, "Foreign markets abroad." Norton, New York.
- Culem, C.G. 1988, "The locational determinants of direct investment among industrialised countries." *European Economic Review*, April. 885-905.
- Daniels, D.L. 1975, "FDI and economic restructuring." *Economica*: 40-72.
- Dunning, J.H. 1983, "The eclectic paradigm of international business: A restatement and some possible extensions." *Journal of International Business Studies*.
- Froot, K.A and Stein, J.C. 1991, "Exchange rates and foreign direct investment: An imperfect market approach." *Quarterly Journal of Economics*, 106, Nov.: 191-223.
- Goldsworthy, P.J 1991, "Explaining FDI and Asian economic performance, *Journal of International Business.*
- Gujarati, D. 1998, "Basic Econometrics." Mc Graw-Hill, London.
- Granger, L.J. 1990, "Buying into Asian markets." New York: Times Books.

- Gross, S. 1990, "Changing perception of foreign direct investment, September 1990.
- Gray, M.T. and Gray, M.P. 1990, "Determinants of foreign direct investment in South-East Asia, Prentice-Hall, London.
- Gross, J.D. and Goldberg, H. 1995, "Locational factors of FDI." Prentice-hall, New Jersey, United States.
- Hermsey, G.H and Cliff, T.F. 1984, "Foreign direct investment in the United States." Preston, New York.
- Hymer, S.L. 1976, *The International Operations of National Firms*: A study of foreign direct investment. Cambridge, MA, MIT Press.
- International Monetary Fund, *Journals of Financial Static's*, New York (Various Issues).
- Kaldor, J.M. 1934, "Impact of Foreign direct investments to developing economies." Norton, New York.
- Kanbur, M. and Siti, K. 1991, "Factors of inward capital flow to Malaysia, *Malaysian Economic Review*: 46-62.
- Klein, P. and Rosengern, W. 1994, "Foreign direct inflows to third –world economies.", McGraw-hill, London.
- Kogut, B. and Singh, H. 1992, "The effects of foreign direct investment to home countries." *Survey of Current Business*.
- Kojima, F. and Ozawa, K. 1983, "An examination of foreign direct investment in Asia." Arlington, VA.: Washington D.C: Congressional Economic Review.

- Lee, K.T. 1986, "The effect of national culture on the choice of entry mode.", Journal of International Business Studies: 411-32.
- Leftwhich, R.B. (1978), "Foreign Direct Investments in developing economies." Survey of Current Business.
- Linder, C.A. 1961, "Foreign direct investment in the 29th century." *Economica*.: 221-254.
- Malaysian Industrial Development Authority, *Annual Report*, Government Publishers, Kuala Lumpur (Various Issues0.
- Mc Lain, D. 1990, "Foreign direct investment in Asia.", Cambridge, Ma, Ballinger.
- Mc Leman, T. 11994." Evidence of FDI in developing countries." *Policy Research Working Paper*, World Bank.
- Ministry of Finance, *Malaysian Economic Report*, Government Publishers, Kuala Lumpur (Various Issues).
- Ministry OF Finance, *Annual Budget*, Government Publishers, Kuala Lumpur (various Issues).
- Oxelheim, L. (ed.) The global race for foreign direct investment: Prospect for the Future. *Berlin: Springer-Vertag*, 1993.
- Penrose, S.H. 1961, "Multinational enterprise and economic analysis. Cambridge University Press.
- Raven, D.T. 1976, "The American business abroad." New Heaven, Conn.: Yale, University Press.

- Ray, E.J. (1992), Economics of foreign direct investments.", Cambridge, MA, Balinger, US Department of Commerce.
- Saunders, M.P. 1992, "An empirical assessment of FDI in lower developing countries.", *Journal of International Business Studies*: 219-34.
- Spencer, C.P. 1998, Economic models and methodologies in determining the impact of FDI, United States.
- Tallman, J. and Gould, M.A. 1992, "Determinants of foreign direct investments.", *Economica*: 28-40.
- United Nation Conference on Trade and Development (UNCTAD). World Investment Report, Geneva (Various Issues).
- Wilhelms, S.K. 1991," The FDI Fitness Theory.", Prentice-Hall, London.
- World Development Report, "Knowledge for development.", World Bank Report, Geneva, 1998.