

**AN EMPIRICAL STUDY ON THE DETERMINANTS OF FDI IN MALAYSIA
AND ITS LINK TO TRADE (1978-2002)**

**A research paper submitted to the Graduate Studies Unit,
Academic Affairs Department in partial fulfillment of the
requirements for the degree Master of Economics,
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ABSTRAK

Kajian ini bertujuan menganalisa hubungan antara kemasukan pelaburan asing langsung dan perdagangan di Malaysia. Kajian ini menggunakan data siri masa dari tahun 1978 hingga 2002. Metodologi yang digunakan dalam kajian ini ialah model graviti khas untuk mengaitkan hubungan kemasukan pelaburan asing langsung dan perdagangan. Hasil kajian menunjukkan bahawa import memang merangsangkan kemasukan pelaburan asing langsung yang lebih tinggi. Sebaliknya, kemasukan pelaburan asing langsung tidak membawa kepada peningkatan perdagangan melalui import. Secara umumnya, hasil kajian ini adalah selari dengan sorotan karya dan kajian-kajian empirikal lepas yang menyokong teori kaedah kemasukan pelaburan asing langsung. Ini juga bermaksud bahawa syarikat multinasional akan memperkenalkan produk mereka terlebih dahulu melalui import sebelum menjalankan operasi pengeluaran di Malaysia.

ABSTRACT

This paper examines the link between inward FDI and trade and how each affects the other in Malaysia. This study is based on annual time series data from the years 1978-2002. The main method of study is via the gravity model which is normally used to determine the extent of trade flows. This study incorporates the gravity model to measure FDI using an augmented gravity model in order to link trade and inward FDI. The results of this study indicate that imports actually induce higher inward FDI which inward FDI itself does not induce higher trade levels through imports. While the findings are generally in line with the literature and empirical studies, it also serves to validate the earlier theories of FDI namely the factors which determines the entry mode of inward FDI into Malaysia. This means that MNC's would generally prefer to initially penetrate the Malaysian markets via exports before setting up production here. Thus, trade through imports can be said to be a precursor of future inward FDI.

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CHAPTER ONE

INTRODUCTION

1.1 Background on FDI in Malaysia and Economic Overview

Foreign direct investment is a long-term investment that has lasting interest and control of a resident entity in a nation by a foreign investor. FDI may comprise of capital inflows through equity capital, reinvestments and intra-company loans (UNCTAD, 2001). According to Kruger (2001), FDI occurs when an entity from the home country acquires controlling interest in an entity in another host country: operates and manages that entity and its assets as part of the multinational business of the investing entity. FDI is then financed through transfer of funds from the parent company to the new affiliate, or by borrowing in the home country or in the host country. In short, FDI occurs when investors transfer funds from the home country to another country with the intention to control the entity of the business.

Foreign Direct Investment or FDI has been hailed as the most important contributing factor to Malaysia's phenomenal economic performance since the 1970s (Athukorala and Menon, 1995) and is seen as the engine for growth, especially in the export-manufacturing sector. Malaysia is one of the most favored locations of FDI. In 1995, for example, Malaysia was the second largest recipient of FDI among the Asian economies at US\$5.8 billion (UNCTAD, 1996). However in order to comprehend the role and impact of FDI requires an understanding of the major thrusts of industrial policies in Malaysia from the 1970s to the 1990s.

Prior to the 1970s, Malaysia promoted specific industries through tariffs and quotas and the provision of basic infrastructure, and these industries produced for

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REFERENCES

- Addison, T. and Heshmati, A. (2003) The New Global Determinants of FDI Flows to Developing Countries: The Importance of ICT and Democratization. UNU/WIDER (World Institute for Development Economics Research), *Discussion Paper No.2003/45*, May, Helsinki, Finland.
- Agarwal, J. (1980), Determinants of foreign direct investments: a survey. *Weltwirtschaftliches Archiv*, 116, 739-777.
- Ahroni, Y. (1966) *The Foreign Investment Decision Process*, Boston: Harvard University.
- Albuquerque, Rui. (2001). "The Composition of International Capital Flows: Risk Sharing Through Foreign Direct Investment", *University of Rochester working paper*.
- Anderson, J.E. (1979), 'A Theoretical Foundation of the Gravity Model', *American Economic Review*, 69(1-2), 106-116.
- Asian Development Bank (various issues). Key indicators of Developing Asian and Pacific Countries. New York: Oxford University Press. Available online at: www.adb.org/statistics.
- Asiedu, E. (2002). On the Determinants of Foreign Direct Investment to Developing Countries: Is Africa Different?' *World Development*, 30(1): 107-19
- Athukorala, Premachandra (1993) "International Labour Migration in the Asia-Pacific Region: Patterns, Policies and Economic Implications", *Asian-Pacific Economic Literature*, 7(1), 28-57.
- Bank Negara Malaysia (2000) *Monthly Statistical Bulletin (August)*. Kuala Lumpur: Bank Negara Malaysia.
- Barrell, Ray and Nigel Pain. (1999). "Domestic Institutions, Agglomerations and Foreign Direct Investment in Europe", *European Economic Review* 43, 925-934.
- Brainard, S. Lael. (1997). "An Empirical Assessment of the Proximity-Concentration Trade-Off Between Multinational Sales and Trade", *American Economic Review* 87. 4, 520-44.

- Buckley P. and Casson, M. (1976). "*The Future of the Multinational Enterprise*". London: The Macmillian Press Ltd.
- Buckley, P. (1983) 'New theories of international business: some unresolved issues', in M.Casson (ed.) *The Growth of International Business*, London :George Allen and Unwin Publishers Ltd: 35-50.
- Buckley, P. (1987). *The Theory of the Multinational Enterprise*, Uppsala: Acta Universitas Upsalienis, Almqvist and Wicksell International.
- Casson, M. (1979). *Alternatives To The Multinational Enterprise*, London: The Macmillian Press Ltd.
- Caves, R.E. (1971). 'International corporations: the industrial economics of foreign direct investment,' *Econometrica* 28, 149: 1-27.
- Caves, R.E. (1974). 'Causes of direct investment: foreign firms share in Canadian and United Kingdom manufacturing industries,' *The Review of Economics and Statistics* 56, August: 279-292.
- Chakrabarti, A. (2001). The determinants of foreign direct investment; Sensitivity analyses of cross country regressions. *KYLOS*, 54, 89-114.
- Davidson, W.H. (1980). "The location of foreign direct investment activity: country characteristics and experience effects' *Journal of International Business Studies* 11, 2:9-22.
- Dixit, A. and Norman. (1980). *Theory of International Trade*, Cambridge: Cambridge University Press.
- Dunning, J.H. (1979) "Explaining the changing patterns of international production: in defence of the eclectic theory" *Oxford Bulletin of Economics and Statistics*, November: 260-295.
- Dunning, J.H. (1980) "Towards an eclectic theory of international production: some empirical tests", *Journal of International Business Studies* 11, 1:9-31.
- Dunning, J.H. (1993a) *Multinational Enterprises and the Global Economy*, Wokingham, England: Addison-Wesley Publishing Company.
- Dunning, J.H. (1993b) *The Globalisation of Business*, London and New York: Routledge.
- Eaton, Jonathan and Akiko Tamura. 1994. "Bilateralism and Regionalism in Japanese and U.S. Trade and Direct Foreign Investment Patters", *Journal of the Japanese and International Economics* 8, 478-510, 478-510.

- Edwards, Chris (1995). Tariff and trade related policies for Malaysian industrialization. In *Managing Industrial Transition in Malaysia* ed. V. Kanapathy. Kuala Lumpur: Institute of Strategic and International Studies, Malaysia.
- Edwards, Chris, et al. (1990). "Protection and policy in the Malaysian manufacturing sector" *Policy Assessment of the Malaysian Industrial Policy Studies (MIPS) and the Industrial Master Plan (IMP)*. Volume 3. Report prepared for UNIDO and the Government of Malaysia. Kuala Lumpur, December.
- Encarnation, D. J. 1993. *Beyond Trade: Foreign Investment in the U.S.-Japan and EC-Japan Rivalries*, Harvard Business School Manuscript.
- Ethier, W. (1982), National and International Returns to Scale in the Modern Theory of International Trade', *American Economic Review*, 72, 389-405.
- Feenstra, Robert C., James R. Markusen, and Andrew K. Rose .2001. "Using the Gravity Equation to Differentiate Among Alternative Theories of Trade", *Canadian Journal of Economics* 34, 2, 430-447.
- Feldstein, Martin and Charles Horioka. (1980). "Domestic Savings and International Capital Flows", *The Economic Journal* 90.
- Frankel, J. A., Ernesto Stein and Shang-Jin Wei. 1995. "APEC and Regional Trading Arrangements in the Pacific", in *Pacific Trade and Investment: Options for the 1990s*. Edited by Wendy Dobson and Frank Flatters. Kingston, Ontario: John Deutsch Institute.
- Gastanaga, V., Nugent, J.B., & Pashamova, B. (1998) Host country reforms and FDI inflows: How much difference do they make? *World Development*, 26(7), 1299-1314.
- Giddy, I. H. (1978). 'The demise of the product cycle model in international business theory', *Columbia Journal of World Business* Spring, 13: 90-97
- Graham, Edward. (1993). U.S. "Outward Direct Investment and U.S Exports: Substitutes or Complements -With Implications for U.S. - Japan Policy". Institute for International Economics, Washington, D.C.
- Grosse, Robert and Len Trevino. (1996). "Foreign Direct Investment in the United States: An Analysis by Country of Origin", *Journal of International Business Studies*, First Quarter.
- Habib, Mohsin and Leon Zurawicki. 2002. "Corruption and Foreign Direct Investment", *Journal of International Business Studies*, forthcoming.
- Harinder Singh & Kwang W.Jun (1995). Some New Evidence on determinants of Foreign Direct Investments in Developing Countries. *Working paper 1531*, Washington D.C. World Bank

- Hausmann, Ricardo and Eduardo Fernandez-Arias .2000. "Foreign Direct Investment: Good Cholesterol", Inter-American Development Bank Research Department.
- Hejazi, Walid and A.E. Safarian. 2001. "The Complementarity between U.S. FDI Stock and Trade", *Atlantic Economic Journal* 29 (4).
- Helpman, E. (1981), 'International Trade in the Presence of Product Differentiation, Economies of Scale and Monopolistic Competition- a Chamberlinian-Heckscher-Ohlin Approach', *Journal of International Economics*, 11, 305-340.
- Hennart, J. (1986) 'What is internalisation', *Weltwirtschaftliches Archiv* 122: 791-804
- Hofstede, G. (1983) 'Cultural relativity of organisational practices and theories', *International Business Review* 3, 1: 1-14.
- Hymer, S. (1960) "*The International Operations of National Firms: A Survey of Foreign Direct Investment*, Cambridge: The MIT Press.
- I.B. Kravis. (1956). "Availability and Other Influences on Commodity Composition of Trade", *Journal of Political Economy*, April, 143-155.
- I.B. Kravis. (1956). "Wages and Foreign Trade", *Review of Economics and Statistics*, February, 14-30.
- International Financial Statistics. (2004). Washington D.C.; IMF, CD-ROM.
- JOMO, K.S. and Greg Felker (1999), *Technology, Competitiveness and the State: Malaysia's Industrial Technology Policies*, Routledge, London.
- Judge. George G., William E. Griffiths, and R. Carter Hill. 1993. *Learning and Practicing Econometrics*. New York: Wiley.
- Keesing, Donald B. 1965. "Labor skills and International Trade: Evaluating Many Trade Flows with a Single Measuring Device". *The Review of Economics and Statistics*, Vol. 47.
- Kennedy, Peter. 1998. *A Guide to Econometrics*. Cambridge: MIT Press.
- King, R. and R. Levine. 1993. "Finance and Growth: Schumpeter Might Be Right", *Quarterly Journal of Economics*, August 1993.
- Knickerbocker, F.T. (1973) *Oligopolistic Reaction and Multinational Enterprise*. Boston: Harvard University Press.
- Kogut, B. and Singh, H. (1988) 'The effect of national culture on the choice of entry mode', *Journal of International Business* 19, 3: 411- 432.

- Krueger, A.O. (1975), *The Benefits and Costs of Import-Substitution in India: A Microeconomic Study*, Minneapolis: University of Minnesota Press.
- Kruger, Jan (2001). Foreign Direct Investment, *The Namibia Economist*, [Online] available at <http://www.economist.com.na/200/230301/story13htm> [2003 June 20]
- Krugman (1989), 'New Trade Theory and the Less Developed Countries,' in G.Galvo et al. (eds.), *Debt Stabilization and Development: Essays in the memory of Carlos Diaz-Alejandro*, Oxford: Blackwell Publishers.
- Krugman, P. (1979), 'Increasing Returns, Monopolistic Competition, and International Trade', *Journal of International Economics*, 9: 469-479.
- Krugman, P. (1980), 'Scale Economies, Product Differentiation, and the Pattern of Trade', *American Economic Review*, 70, 950-959.
- Krugman, P. (1981), 'Intra-industry Specialization and the Gains from Trade', *Journal of Political Economy*, 89, 959-973.
- Lancaster, K. (1980), 'Intra-industry Trade Under Perfect Monopolistic Competition', *Journal of International Economics*, 10, 151-175.
- Leontief. (1951) "Domestic Production and Foreign Trade: The American Capital Position Re-examined", *Economia Internazionale*, February, 3-32. Reprinted in R.E. Caves and H.G. Johnson (1968), *Readings in International Economics* (Homewood, Ill: Irwin, 503-527.
- Lucas, R. (1993). On the determinants of foreign direct investment: evidence from East and Southeast Asia. *World Development*, 21(3),
- Malaysia (1989), *Mid-term Review of the Fifth Malaysia Plan, 1986-1990*, Kuala Lumpur: Government Printers.
- Malaysia (1991a), *Second Outline Perspective Plan, 1991-2000*, Kuala Lumpur: Government Printers.
- Malaysia (1991b), *Sixth Malaysia Plan, 1991-1995*, Kuala Lumpur: Government Printers.
- Malaysia (1994), *Mid-term Review of the Sixth Malaysia Plan, 1991-1995*, Kuala Lumpur: Government Printers.
- Malaysia (1996), *Seventh Malaysia Plan, 1996-2000*, Kuala Lumpur: Government Printers. Ministry of Finance, Malaysia, *Economic Report*, various issues.
- Malaysia, Government of. *National Economic Recovery Plan: Agenda for Action*. Kuala Lumpur: Percetakan Nasional Malaysia Berhad, 1998.

- Ministry of Finance Malaysia (1976) *Economic Report 1976/1977*. Kuala Lumpur: Percetakan Mas.
- Ministry of Finance Malaysia (1981) *Economic Report 1981/1982*. Kuala Lumpur: Jabatan Percetakan Negara.
- Ministry of Finance Malaysia (1986) *Economic Report 1986/1987*. Kuala Lumpur: Jabatan Percetakan Negara.
- Ministry of Finance Malaysia (1991) *Economic Report 1991/1992*. Kuala Lumpur: Jabatan Percetakan Negara.
- Ministry of Finance Malaysia (1999) *Economic Report 1999/2000*. Kuala Lumpur: Jabatan Percetakan Negara.
- Ministry of Finance Malaysia (2002) *Economic Report 2002/2003*. Kuala Lumpur: Jabatan Percetakan Negara.
- Ministry of Finance Malaysia (2003) *Economic Report 2003/2004*. Kuala Lumpur: Jabatan Percetakan Negara.
- Ministry of International Trade and Industry (1997), *Malaysia: International Trade and Industry Report, 1996/97*, Kuala Lumpur.
- Mody, Ashoka and Krishna Srinivason. 1998. "Japanese and U.S. Firms as Foreign Investors: Do They March to the Same Tune?", *Canadian Journal of Economics* 31, 4, 778-799.
- Oguledo, V.I. & Macphee, C.R. (1994). Gravity Models: A Reformation and an application to discriminatory trade arrangements. *Applied Economics*, 26(1-6), 107-120.
- Owen, N. (1983), *Economies of scale, Competitiveness and Trade Patterns within the European Community*, Oxford: Clarendon Press.
- P.Kenen. (1965). "Nature, Capital and Trade". *Journal of Political Economy*, October, 437-460.
- Padmanabhan, P. and Cho, K.R. (1996) 'Ownership strategy for a foreign affiliate: an empirical investigation of Japanese firms', *Management International Review* 36, 1: 45-65.
- Porter, M. (1990) *Competitive Advantage of Nations*, New York: The Free Press.
- R.E. Baldwin. (1971). "Determinants of the Commodity Structure of the U.S. Trade". *American Economic Review*, March, 126-146.
- Quantitative Micro Software (1995-1998). *Eviews User's Guide*, 2nd Edition, USA.

- R.W. Jones. (1956) "Factor Proportions and the Hecksher-Ohlin Theorem". *Review of Economic Studies*, January, 1-10.
- Rapp. W.V. (1973) 'Strategy formulation and international competition', *Columbia Journal of World Business* 8, Summer: 98-112.
- Rodrik, D. (1989), 'Imperfect Competition, Scale Economies and the Trade Policy in Developing Countries, in R.E. Baldwin (ed.), *Trade Policy Issues and Empirical Analysis* (Chicago: University of Chicago Press).
- Rugman ,A. (1981) *Inside the Multinational Enterprise*, London: Croom Helm.
- Rugman, A. (1980a) A new theory of the multinational enterprise; internationalisation versus internalisation', *Columbia Journal of World Business*, 15, 1:23-29.
- Rugman, A. (1980b) 'Internalisation as a general general theory of foreign direct investment: a reappraisal of the literature', *Weltwirtschaftliches Archiv* 116: 365-379
- Rugman, A. and D'Cruz, J. (1993) 'The Double Diamond model of international competitiveness: The Canadian experience', *Management International Review* 33, Special Issue: 17-39.
- Rugman, A. and Verbeke, A. (1993a) 'Foreign subsidiaries and multinational strategic management: an extension and correction of Porter's Single Diamond framework', *Management International Review* 33, Special Issue: 71-84.
- Schembri, Lawrence. 2002. "Foreign Takeovers and the Canadian Dollar: Evidence and Implications". *Bank of Canada Review* Spring, 45-50.
- Schneider, Friedrich, Bruno S. Frey (1985). Economic and Political determinants of Foreign Direct Investment. *World Development* 13(2): 161-175.
- Seddighi, H.R., Lawler, K.A. & Katos, A.V. (2000). *Econometrics: A Practical Approach*. London: Routledge.
- Stein, Ernesto and Christain Duade. 2001. "Institutions, Integration and the Location of Foreign Direct Investment", *New Horizons for Foreign Direct Investment*, OECD Global Forum on International Investment, Paris: OECD.
- Tsai, Pan-Long (1994). Determinants of Foreign Direct Investment and Its Impact on Economic Growth. *Journal of Economic Development* 19(1): 137-163.
- UNCTAD (1996) *World Investment Report 1996*. United Nations, New York.
- UNCTAD (1998) *World Investment Report 1998*. United Nations, New York.
- UNCTAD (2000) *World Investment Report 2000*. United Nations, New York.

- UNCTAD (2001). World Investment Report 2001 [Online] available at <http://www.unctad.org>.
- UNCTAD (2002) *World Investment Report 2002*. United Nations, New York.
- Vernon, R. (1966) 'International investment and international trade in the product cycle,' *Quarterly Journal of Economics* 80, 2: 190-207
- Vernon, R. (1966) 'International investment and international trade in the product cycle', *Quarterly Journal of Economics* 80, 2:190-207.
- Vernon, R. (1983) 'Organisational and institutional responses to international risks', in R. Herring (ed.) *Managing International Risk*, Cambridge: Cambridge University Press: 191-216
- Wei, Shang-Jin. (2000). "How Taxing is Corruption to International Investors?", *Review of Economics and Statistics* 82 (2), 1-11.
- Wheeler, D. and A. Mody. (1992). "International Investment Location Decisions: the Case of US Firms", *Journal of International Economics* 33, 57-76.
- Williamson, O.E. (1975) *Markets and Hierarchies: Analysis and Antitrust Implications*, New York: The Free Press.
- Williamson, O.E. (1981) 'The modern corporation: origins, evolution, attributes', *Journal of Economic Literature* 19, December: 1537-1568.
- World Bank. (2004). World Development Indicators (online)