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THE FACTORS AFFECTING THE INFLOWS OF FOREIGN DIRECT INVESTMENT (FDI) IN SUBSAHARAN AFRICA: EVIDENCE FROM SIX AMONG THE TOP TEN FDI RECIPIENT COUNTRIES

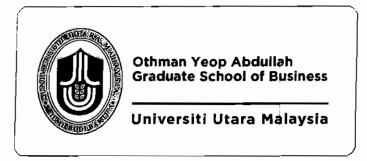


MASTER OF ECONOMICS UNIVERSITI UTARA MALAYSIA December 2016

THE FACTORS AFFECTING THE INFLOWS OF FOREIGN DIRECT INVESTMENT (FDI) IN SUB-SAHARAN AFRICA: EVIDENCE FROM SIX AMONG THE TOP TEN FDI RECIPIENT COUNTRIES



Thesis Submitted to
School of Economics, Finance & Banking,
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Economics



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Abstract

This study examines the factors affecting the inflows of foreign direct investment in Sub-Saharan Africa: evidence from the six among the top ten FDI recipient countries, namely, Cote d'Ivoire, Democratic Republic of Congo, Ghana, Nigeria, South Africa, and Sudan for the period 1980-2011. The analysis of the study employed secondary data obtained from the World Bank African Development Indicator, United Nation Conference on Trade, and Development. The study used Dunning's (1977) eclectic paradigm, the panel cointegration approach and granger causality test for the empirical estimations. The empirical results show that trade openness, infrastructural facilities, human capital development, exchange rate and market size are the important determinants of inflows of FDI to the individual country while trade openness, infrastructural facilities and market size are the important determinants of inflows of FDI to them as a group. The findings of this study suggest that the policy makers and other stakeholders should encourage the non-market seeking FDIs and facilitate the ease of doing business in the region through addressing trade barriers and provision of incentives to the investors.

Keywords: FDI inflows, Granger causality, Fully Modified Ordinary Least Squares, Sub-

Saharan Africa
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Abstrak

Kajian ini mengkaji faktor-faktor yang mempengaruhi aliran masuk pelaburan pelaburan langsung asing di Sub-Sahara Afrika: bukti enam daripada sepuluh negara utama yang menerima aliran masuk pelaburan, iaitu, Cote d'Ivoire, Republik Demokratik Congo, Ghana, Nigeria, Afrika Selatan dan Sudan bagi tempoh 1980-2011. Kajian ini menggunakan kaedah analisis data sekunder yang diperoleh daripada Petunjuk Pembangunan Afrika Bank Dunia, Persidangan Bangsa-Bangsa Bersatu mengenai Perdagangan dan Pembangunan. Kajian ini menggunakan paradigma eklektik Dunning (1977) paradigma eklektik dan pendekatan panel kointegrasi dan ujian kesan Granger untuk anggaran empirikal. Hasil kajian menunjukkan bahawa keterbukaan perdagangan, kemudahan infrastruktur, pembangunan modal insan, kadar pertukaran dan saiz pasaran adalah penentu penting dalam aliran masuk FDI ke sesebuah negara manakala keterbukaan perdagangan, kemudahan infrastruktur dan saiz pasaran adalah penentu penting dalam aliran masuk FDI sebagai satu kumpulan. Hasil dapatan kajian ini mencadangkan pihak berkepentingan dan pembuat dasar perlu beri galakan kepada pasaran yang sumber utamanya bukan FDI dan membantu memudahkan perniagaan di kawasan ini dengan menangani halangan perdagangan dan memberi peruntukan insentif kepada pelabur.

Kata kunci: aliran masuk FDI, *Granger* sebab akibat, *Fully Modified Squares Ordinary Least, Sub-Sahara Afrika*

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List of Abbreviations

ADF Augmented Dickey-Fuller

ARDL Autoregressive Distributed Lag

BRISC Brazil, Russia, India, China, and South Africa

CEEC Central and Eastern European Countries

ECM Error Correction Model

EU European Union

FTA Free Trade Agreement

FDI Foreign Direct Investment

FE Fixed Effects

FMOLS Fully Modified Ordinary Least Square

GARCH Generalized Auto Regressive Conditional Heteroskedasticity

GDP Gross Domestic Product

GLS Generalized Least Square

GMM Generalized Method of Moments

HC Human Capital

IMF International Monetary Fund

INF Inflation Rate

IPS Im, Pesaran and Shin Unit Root

ISI Import Substitution Strategy

LLC Levin, Lin and Chut

MENA Middle East and North Africa

MINT Mexico, Indonesia, Nigeria, and Turkey

MNEs Multinational Enterprises

MNCs Multinational Corporations

OECD Organization for Economic Cooperation and Development

OLS Ordinary Least Squares

R&D Research and Development

RER Real Exchange Rate

RIR Real Interest Rate

SAP Structural Adjustment Program

SSA Sub-Saharan Africa

UN United Nations

UNCTAD United Nations Conference on Trade and Development.

US United States

VAR Vector Autoregressive Model

VECM Vector Error Correction Model

WAC's West African Countries

WDI World Development Indicators

WTO world Trade Organization

CHAPTER ONE

INTRODUCTION

1.1 Background of the Study

Over the years FDI has been the integral part of the world source of investment. Evidence has shown that within the last two decades the world has experienced upward increased in FDI from \$59 billion in 1982 to \$651 in 2002. Thus, it is very vital for countries to attract FDI at all levels of their development (Ali, Chaudhri, & Tasneem, 2013).

Moreover, the rapid growth of global inflows of FDI across countries for some decades rose to \$207.7 billion in 1990 and reached to the highest level of \$1.402 trillion in 2000 which was greater than \$54.1 billion in 1980. However, the FDI inflows declined to \$565.7 billion in 2003 commencing from 2001 and drastically fall to \$2100 in 2007. The consequences of global financial crisis influenced the global fall of FDI inflows in 2010 to \$1.409 trillion. With regards to world records of FDI still showed a decline in FDI by 18 percent in 2012 after economic recovery in 2011. The global FDI in 2012 was \$1.330 trillion against \$1.700 trillion in 2011. The world experienced the returned of FDI growth after the crash in FDI in 2012 by taken several economic policies in 2013, the FDI inflows rose by 9 percent to \$1.45trillion (UNCTADS, 2014).

It has been argued that FDI in developing countries has been viewed as the main instrument used for achieving positive economic growth and it facilitates the upward increase in domestic investment. It also paved way for human capital and institutional advancement in

The contents of the thesis is for internal user only

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APPENDICES

Appendix A

Null Hypothesis:	Obs	F-Statistic	Prob.
HCD does not Granger Cause FDI	87	0.34527	0.7091
FDI does not Granger Cause HCD		1.04689	0.3557
INFR does not Granger Cause FDI	133	0.48778	0.6151
FDI does not Granger Cause INFR		0.81298	0.4458
MKTS does not Granger Cause FDI	133	0.23784	0.7887
FDI does not Granger Cause MKTS		1.92805	0.1496
OPN does not Granger Cause FDI	133	5.58373	0.0047
FDI does not Granger Cause OPN		5.59272	0.0047
REER does not Granger Cause FDI	93	5.00246	0.0088
FDI does not Granger Cause REER		3.22956	0.0443
INFR does not Granger Cause HCD	114	3.85477	0.0241
HCD does not Granger Cause INFR		9.8E-05	0.9999
MKTS does not Granger Cause HCD	115	2.43892	0.0920
HCD does not Granger Cause MKTS		1.49922	0.2278
OPN does not Granger Cause HCD	115	1.46947	0.2345
HCD does not Granger Cause OPN		0.85974	0.4261
REER does not Granger Cause HCD	67	7.54968	0.0012
HCD does not Granger Cause REER		1.48787	0.2338
MKTS does not Granger Cause INFR INFR does not Granger Cause MKTS	179	0.12696 9.14347	0.8808 0.0002
OPN does not Granger Cause INFR	179	1.91338	0.1507
INFR does not Granger Cause OPN		0.74393	0.4767
REER does not Granger Cause INFR INFR does not Granger Cause REER	112	0.03080 25.2563	0.9697 1.E-09
OPN does not Granger Cause MKTS	180	2.71107	0.0693
MKTS does not Granger Cause OPN		0.51115	0.6007
REER does not Granger Cause MKTS	112	6.70313	0.0018
MKTS does not Granger Cause REER		12.7409	1.E-05
REER does not Granger Cause OPN	112	2.21180	0.1145
OPN does not Granger Cause REER		9.47947	0.0002

Appendix B

FMOLS Group Result

Variable	Coefficient	Std. Error	t-Statistic	Prob.
HCD INFR MKTS OPN REER	-0.003382 0.006459 -0.028593 0.037144 0.003277	0.009402 0.002304 0.004106 0.003483 0.003502	-0.359709 2.803943 -6.963363 10.66567 0.935786	0.7204 0.0069 0.0000 0.0000 0.3533
R-squared Adjusted R-squared S.E. of regression Long-run variance	0.875331 0.853460 0.010949 2.73E-05	S.D. dependent var Sum squared resid		1.099192 0.028603 0.006833

