



De La Salle University - Dasmariñas

**EFFECTS OF SELECTED MACROECONOMIC VARIABLES
ON THE RETURN OF ASEAN STOCK MARKETS**

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ABSTRACT

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Stock market plays an important role in the economic development of a country. The relationship between stock market returns and macroeconomic variables is well documented for the US and other major economies. However, few studies focused on developing countries.

This paper examined the effects of the macroeconomic variables such as interest rate, exchange rate, inflation rate, and industrial production index on the returns of the stock market indices of Indonesia, Malaysia, Philippines and Thailand using multiple regression analysis. The study also described the trends of the variables from 1993 to 2009.

Data for stock market index and macroeconomic variables of the Philippines were obtained from Bangko Sentral ng Pilipinas. Data for other countries were gathered from the International Financial Statistics of the International Monetary Fund and Reuters database. The main objective of the study is to analyze the effects of the macroeconomic variables on stock market returns of selected ASEAN countries.



Results of Granger causality test showed that stock market could be used as a leading indicator of some macroeconomic variables such as exchange rate, inflation rate, and industrial production index which is in line with the theory. Other macroeconomic variables, such as the discount rate and inflation rate, were found to lead stock market returns.

On the other hand, multiple regression analysis provided evidence that the effect of these variables on stock market returns vary across countries except for the exchange rate which was found to have a significant and positive effect on stock market returns for all. Optimal lags and forward were also utilized in the study. Based on the empirical results, conclusions of the efficient market hypothesis (EMH) are thrown in doubt. This claim is based on the results that a relationship was found to exist between macroeconomic variables and stock prices. This means that the behavior of stock market may be predicted, contrary to the EMH conclusions. Test also showed that the hypothesis of the study is in line with the Arbitrage Pricing Theory which states that inflation has a negative effect on stock market returns and industrial production index turns out to have a positive effect. For this reason, policymakers may need to re-examine their economic policy because of its effect on stock market returns.



TABLE OF CONTENTS

	Page
TITLE PAGE	i
APPROVAL SHEET	ii
BIOGRAPHICAL SKETCH	iii
ACKNOWLEDGMENT	iv
ABSTRACT	vi
TABLE OF CONTENTS	viii
LIST OF TABLES	xii
LIST OF FIGURES	xiii
LIST OF APPENDIX TABLES	xvii
INTRODUCTION	1
Background of the Study	3
Statement of the Problem	5
Objectives of the Study	6
Hypotheses of the Study	7
Significance of the Study	7
Scope and Limitations of the Study	8
Operational Definition of Terms	9



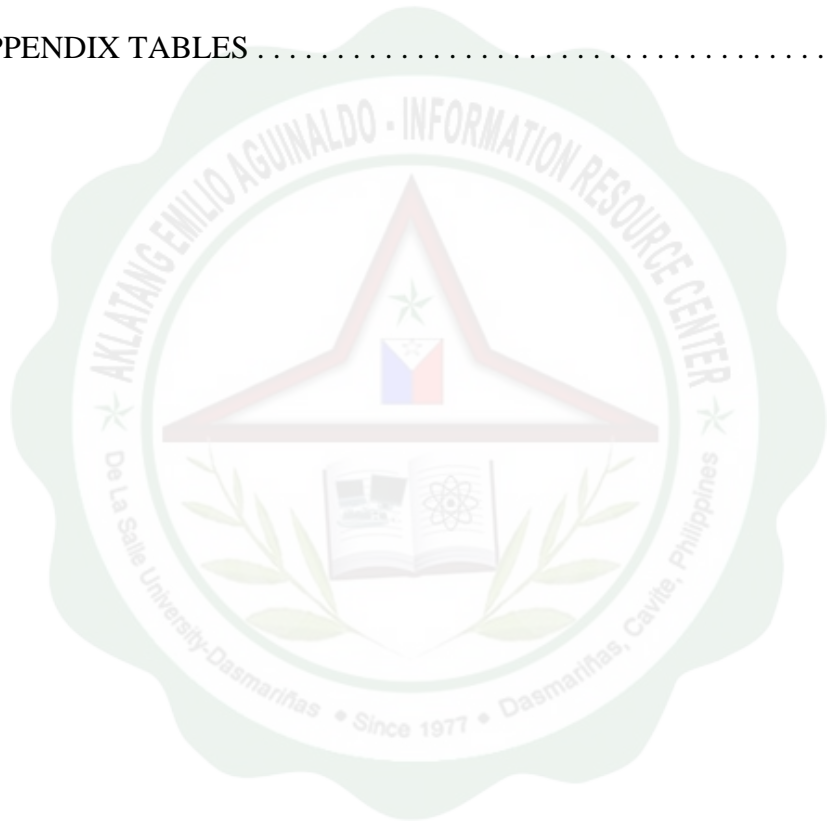
REVIEW OF RELATED LITERATURE	11
Stock Market Movements	11
Macroeconomic Variables Affecting Stock Market Returns	17
THEORETICAL AND CONCEPTUAL FRAMEWORKS	29
METHODOLOGY.....	35
Research Design.	35
Sources of Data.	35
Methods of Analysis.....	36
RESULTS AND DISCUSSION.....	42
Trend of Stock Market Returns of Selected ASEAN Countries From 1993-2009	42
Indonesia.....	42
Malaysia	46
Philippines	48
Thailand.....	50
Trend of Interest Rates of Selected ASEAN Countries From 1993-2009	53
Indonesia.....	53
Malaysia	56
Philippines	58
Thailand	60
Trend of Exchange Rates of Selected ASEAN Countries From 1993-2009	62



Indonesia	62
Malaysia	64
Philippines	66
Thailand	68
Inflation Rates of Selected ASEAN Countries From 1993-2009	71
Indonesia	71
Malaysia	73
Philippines	75
Thailand	77
Industrial Production Index of Selected ASEAN Countries From 1993-2009	79
Indonesia	79
Malaysia	82
Philippines	85
Thailand	87
Granger Causality Tests	90
Effects of Macroeconomic Variables on Selected Stock Market Returns	92
Indonesia	92
Malaysia	95
Philippines	97
Thailand	99



SUMMARY, CONCLUSIONS, AND RECOMMENDATIONS	102
Summary.	102
Conclusions.	106
Recommendations.	108
REFERENCES.	110
APPENDIX TABLES	123





LIST OF TABLES

Table		Page
1	Pairwise Granger Causality Test (at two-lagged difference) for Indonesia.	91
2	Pairwise Granger Causality Test (at two-lagged difference) for Malaysia	92
3	Pairwise Granger Causality Test (at two-lagged difference) for the Philippines	93
4	Pairwise Granger Causality Test (at two-lagged difference) for Thailand.	94
5	Multiple Regression Analysis Showing the Effect of Macroeconomic Variables on Market Returns of Jakarta Stock Exchange Composite Index	95
6	Multiple Regression Analysis Showing the Effect of Macroeconomic Variables on Market Returns of Kuala Lumpur Stock Exchange Composite Index	96
7	Multiple Regression Analysis Showing the Effect of Macroeconomic Variables on Market Returns of Philippine Stock Exchange Composite Index	98
8	Multiple Regression Analysis Showing the Effect of Macroeconomic Variables on Market Returns of Stock Exchange of Thailand Index	100



LIST OF FIGURES

Figure		Page
1	Diagram showing the effects of selected macroeconomic variables on the returns of ASEAN stock market indices	30
2	Jakarta stock exchange market index of Indonesia for the monthly time period of 1993 to 2009	43
3	Jakarta stock exchange market returns of Indonesia for the monthly time period of 1993 to 2009	43
4	Kuala Lumpur stock exchange market index of Malaysia for the monthly time period of 1993 to 2009	47
5	Kuala Lumpur stock exchange market returns of Malaysia for the monthly time period of 1993 to 2009	47
6	Philippine stock exchange composite index of the Philippines for the monthly time period of 1993 to 2009	49
7	Philippine stock exchange composite index market returns of the Philippines for the monthly time period of 1993 to 2009	49
8	Stock exchange of Thailand index for the monthly time period of 1993 to 2009	51
9	Stock exchange of Thailand market returns for the monthly time period of 1993 to 2009	51
10	Discount rates of Indonesia for the monthly period of 1993 to 2009	54
11	Discount rates of Malaysia for the monthly period of 1993 to 2009	57



LIST OF FIGURES

Figure		Page
13	Discount rates of Thailand for the monthly period of 1993 to 2009	61
14	Exchange rate of Indonesian rupiah against U.S. dollar for the monthly period of 1993 to 2009	63
15	Indonesian rupiah movements relative to the U.S. dollar for the monthly period of 1993 to 2009	63
16	Exchange rate of Malaysian ringgit against U.S. dollar for the monthly period of 1993 to 2009	65
17	Malaysian ringgit movements relative to the U.S. dollar for the monthly period of 1993 to 2009	65
18	Exchange rate of Philippine peso against U.S. dollar for the monthly period of 1993 to 2009	67
19	Philippine peso movements relative to the U.S. dollar for the monthly period of 1993 to 2009	67
20	Exchange rate of Thai baht against U.S. dollar for the monthly period of 1993 to 2009	69
21	Thai Baht movements relative to the U.S. dollar for the monthly period of 1993 to 2009	69
22	Monthly Consumer Price Index of Indonesia from 1993 to 2009	72
23	Inflation rate of Indonesia for the monthly period of 1993 to 2009	72



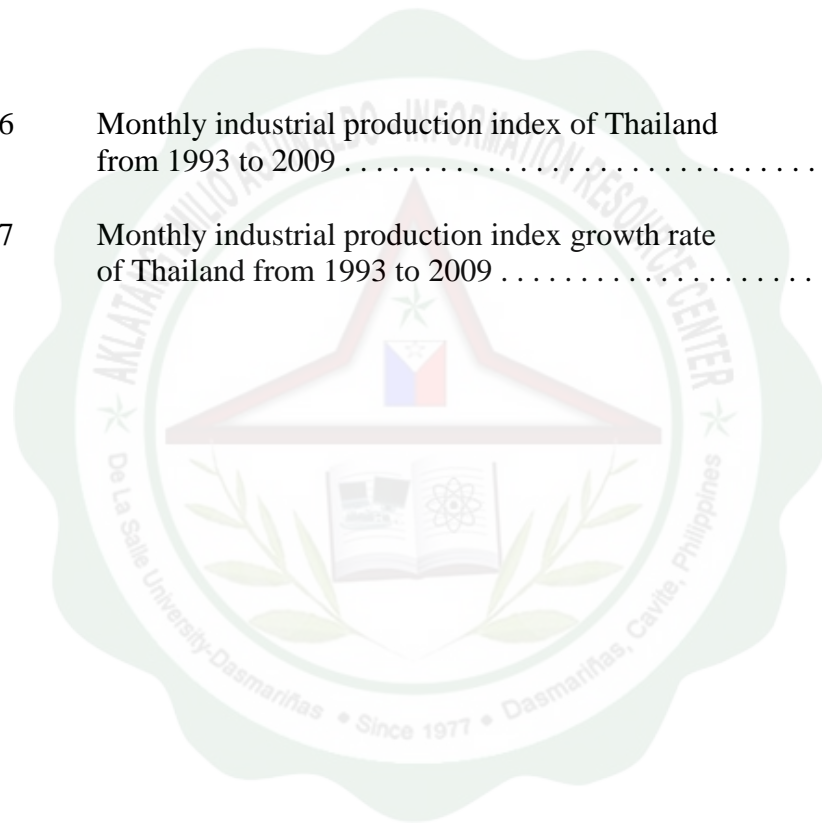
LIST OF FIGURES

Figure		Page
25	Inflation rate of Malaysia for the monthly period of 1993 to 2009	74
26	Monthly Consumer Price Index of the Philippines from 1993 to 2009.....	76
27	Inflation rate of the Philippines for the monthly period of 1993 to 2009	76
28	Monthly Consumer Price Index of Thailand from 1993 to 2009	78
29	Inflation rate of Thailand for the monthly period of 1993 to 2009	78
30	Monthly industrial production index of Indonesia from 1993 to 2009	81
31	Monthly industrial production index growth rate of Indonesia from 1993 to 2009	81
32	Monthly industrial production index of Malaysia from 1993 to 2009	83
33	Monthly industrial production index growth rate of Malaysia from 1993 to 2009	83
34	Monthly industrial production index of the Philippines from 1993 to 2009	86
35	Monthly industrial production index growth rate of the Philippines from 1993 to 2009	86



LIST OF FIGURES

Figure		Page
36	Monthly industrial production index of Thailand from 1993 to 2009	88
37	Monthly industrial production index growth rate of Thailand from 1993 to 2009	88





LIST OF APPENDIX TABLES

Appendix		Page
1	Monthly Returns of Jakarta Stock Exchange Composite Index, 1993 to 2009	124
2	Monthly Returns of Kuala Lumpur Stock Exchange Composite Index, 1993 to 2009	127
3	Monthly Returns of the Philippine Stock Exchange Composite Index, 1993 to 2009	130
4	Monthly Returns of Stock Exchange of Thailand Index, 1993 to 2009	133
5	Monthly Discount Rate of Indonesia, 1993 to 2009	136
6	Monthly Discount Rate of Malaysia, 1993 to 2009	139
7	Monthly Discount Rate of the Philippines, 1993 to 2009	142
8	Monthly Discount Rate of Thailand, 1993 to 2009	145
9	Monthly Indonesian Rupiah Movements Relative to the U.S. Dollar, 1993 to 2009.	148
10	Monthly Malaysian Ringgit Movements Relative to the U.S. Dollar, 1993 to 2009.	151
11	Monthly Philippine Peso Movements Relative to the U.S. Dollar, 1993 to 2009.	154



LIST OF APPENDIX TABLES

Appendix		Page
12	Monthly Thai Baht Movements Relative to the U.S. Dollar, 1993 to 2009	157
13	Monthly CPI and Inflation Rate in Indonesia, 1993 to 2009	160
14	Monthly CPI and Inflation Rate in Malaysia, 1993 to 2009	163
15	Monthly CPI and Inflation Rate in the Philippines, 1993 to 2009	166
16	Monthly CPI and Inflation Rate in Thailand, 1993 to 2009	169
17	Monthly Industrial Production Index Growth Rate in Indonesia, 1993 to 2009	172
18	Monthly Industrial Production Index Growth Rate in Malaysia, 1993 to 2009	175
19	Monthly Industrial Production Index Growth Rate in the Philippines, 1993 to 2009	178
20	Monthly Industrial Production Index Growth Rate in Thailand, 1993 to 2009	181