ACD - 8619

INVC MSA 17/2/98 mg

A STUDY ON RISK AND PREDICTABILITY OF RETURN IN THE MALAYSIAN SECURITIES MARKET

By

TAN KIA LIANG
Bachelor of Science(Computer Science)
National University of Malaysia
1984



Submitted to the Faculty of Economics and Administration, University of Malaya in partial fulfillment of the requirement for the Degree of Master of Business Administration

February, 1997

Dimikrofiskan pada 22-7-1998
No. Mikrofis 13580
Jumlah Mikrofis

Amear Puzi b. A. Wahab.



ACKNOWLEDGEMENTS

I would like to express my sincere appreciation and gratitude to my dissertation supervisor, Professor Kok Kim Lian for his guidance, suggestions, invaluable comments and data(1991-1993) given to help me in my research. I am especially grateful for the insights provided by him which helped establish the framework for this study.

I also take this opportunity to acknowledge the resource support of the Faculty of Economics and Administration, University of Malaya which has greatly facilitated the process of this research.

Finally, special thanks to members of my family - my wife, Juliana, my daughter, Brigitta, my son Jonathan and my in-laws for their understanding and support to encourage me to strive during this "trying" period.

ABSTRACT

The purpose of the study is to explore the extent to which beta coefficients are useful for predicting the future returns and to determine the usefulness of beta coefficients in securities portfolio analysis and investment strategy. This study is similar to various studies conducted in the past by both local and overseas researchers

The data used in the study were the weekly closing prices of stocks listed in the Kuala Lumpur Stock Exchange from 1991 to 1995. The relationship between market risk, beta and return are analysed for both individual securities and portfolios.

The findings of this study are consistent with those findings obtained by previous researchers, locally and abroad.

LIST OF TABLES

Table 3.1	KLSE CI LEVELS AND PERCENTAGE CHANGES23 02 January 1994 - 31 December 1995
Table 4.1	Product-Moment Correlation Coefficients and Spearman's27 Rank Correlation Coefficients Of Beta Coefficients and Returns of Individual Securities
	Product-Moment Correlation Coefficients and Spearman's30 Rank Correlation Coefficients Of Beta Coefficients and Patterns of Portfolios of Securities

PAGE

TABLE OF CONTENTS

	PAGE
ACKNOWLEDGEMENTS	i
ABSTRACT	ii
LIST OF TABLES	iíi
CHAPTER	
1. INTRODUCTION	
1.1 Objective of the Study	1
1.2 The Kuala Lumpur Stock Exchange (KLSE)	
1.3 Stock market index	3
1.4 Organisation of the Study	4
2. LITERATURE REVIEW	
2.1 Introduction	6
2.2 Capital Asset Pricing Model (CAPM)	8
3. DATA AND METHODOLOGY	
3.1 Sources of data and sample	17
3.2 Performance measure	17
3.3 The risk measure, Beta	18
3.4 Beta and related issues	19

Portfolio construction21	

PAGE

3.5 Portfolio construction	21
3.6 Statistical analysis	22
3.7 Limitations of the Study	24
4. THE RESEARCH FINDINGS	
4.1 Correlation analysis for Individual securities	26
4.2 Correlation analysis for Portfolios of securities	29
5. CONCLUSION AND RECOMMENDATION	
5.1 Summary and Discussion	34
5.2 Conclusion	35
5.3 Recommendations	37
BIBLIOGRAPHY	38
A DDFNIDICES	40