

# THE EMERGENCE OF CAPM HYBRID MODEL AGAINST TRADITIONAL CAPM: EVIDENCE FROM MALAYSIAN FINANCE INDUSTRY

AKMAL NASHREQ BIN ABD MALIK 2013758289

BACHELOR OF BUSINESS ADMINISTRATION
WITH HONOURS (FINANCE)
FACULTY OF BUSINESS MANAGEMENT
UNIVERSITI TEKNOLOGI MARA
SABAH

JANUARY 2016

#### **ABSTRACT**

This research paper will investigate the frontier between CAPM and the CAPM Hybrid. For CAPM Hybrid, Bond Yield is used as a proxy of risk free rate instead of using treasury-bills as what's been practiced in the traditional CAPM. The data on KLCI, bond yield rate and treasury bills will be collected from Bursa Malaysia from the year 2009 to 2014. For the purpose of conducting a panel data analysis, 7 companies from banking industry will be selected by using a stratified random sampling. Various tests such as Root Mean Square Error (RMSE) and Mean Absolute Error (MAE), Paired Sample T Test, Unit root, multicollinearity, serial correlation and heteroscedasticity test will be taken to detect the econometric problem within the datasets.

#### **ACKNOWLEDGEMENT**

Alhamdulillah, praise to Allah S.W.T for the strength, wisdom and help bestowed upon me in the process of competing this research.

I would like to convey my personal thanks to Associate Professor Dr. Imbarine Bujang, my principal supervisor for his vital support and assistance. His encouragement has made it possible to complete this project.

My sincere thanks to all my friends for their contribution and friendship, especially to sir Ahmad Fauze.

Last but not least, my heartful gratitude to my parents, Encik Abd Malik Bin Abd Rashid and Puan Dewi Binti Mohd Yamin for their never ending love and support throughout my study.

### TABLE OF CONTENT

LIST	Γ	PAGE	
TITI	LE	i	
DEC	ii		
LET	iii		
ABS	iv		
ACK	v		
TAB	vi		
LIST	vii		
LIST	T OF FIGURE		
LIST OFABBREVIATIONS			
CHA	APTER ONE: INTRODUCTION		
1.0	Background of Study	1	
1.1	Problem Statement	2	
1.2	Objective of study	3	
1.3	Scope of study	3	
1.4	limitation of study	3	
	1.4.1 Availability of the data		
	1.4.2 Lack of previous study		
1.5	Significant of Study	4	
	1.5.1 The Epistemological Knowledge		
	1.5.2 To the investors		

1	.5.3	Reon	lartory	Rody	1
1		negu.	lai toi y	Dog	y

## 1.5.4 Future study

## CHAPTER TWO: LITERATURE REVIEW

2.0	Introduction			
2.1	Capital Asset Pricing Model	7		
2.2	Capial Asset Pricing Model Hybrid	9		
2.3	Conceptual Theoritical Framework	10		
2.4	Hypothesis Development	10		
CHA	PTER THREE: DATA AND METHODOLOGY			
3.0	Introduction	12		
3.1	Data Collection method	12		
3.2	Unit Root Test			
	3.2.1 Augmented Dickey-Fuller Test			
	3.2.2 Philips-Perron Test			
3.3	Multicollinearity			
	3.3.1 Variance Inflation Factors (VIF)			
3.4	Serial Correlation			
	3.4.1 Breusch-Godfrey LM Test			
3.5	Multiple Linear Regression			
3.6	Paired Sample T Test 17			
3.7	RMSE and MAE comparison Analysis			