

# A STUDY OF EUROPEAN FOOTBALL CLUBS AND THEIR STOCK RETURNS

## ELDINA BINTI KHALIP 2013453514

## SUBMITTED TO MISS DG KU HABIBAH BINTI AG KEE

## FACULTY OF BUSINESS MANAGEMENT UNIVERSITI TEKNOLOGI MARA KOTA KINABALU, SABAH

DECEMBER 2016

#### **ACKNOWLEDGEMENT**

#### Assalammualaikum w.b.t

First of all, I thank god for the completion of this thesis. I am grateful to my family, namely my mother and my aunt or their endless support towards me in achieving goals in my life. I also wish to express my sincere gratitude to our faculty coordinator that is Professor Madya Dr. Imbarine Bujang, my advisor for this semester in completing my thesis Miss Dg Ku Habibah binti Ag Kee and also my second examiner Mr. Marius Benedict for extending their guidance and motivation. Lastly, thank everyone who directly or indirectly who have lent a hand in this thesis.

### TABLE OF CONTENTS

TITLE PAGE		i
DECLARATION OF ORIGINAL WORK		ii
LETTER OF SUBMISSION		iii
ACKNOWLEDGEMENT  TABLE OF CONTENTS  LIST OF TABLES		iv
		v-vii
		viii-ix
LIST OF FIGURES		ix
ABSTRACT		
CHAPTER 1 INT	RODUCTION	
1.0 I	ntroduction	1-3
1.1 I	Background Of Study	4
1.2 F	Problem Statement	5
1.3 F	Research Objective	6
1.4 \$	Scope Of Study	7
1.5 I	Limitations of Study	8
1.6 \$	Significance of Study	9
1	.6.1 Investors	9
1	.6.2 Researchers	9
1.7 \$	Summary of Chapter	9
CHAPTER 2 LITE	RATURE REVIEW	
2.0	Introduction	10
2.1 Heteroskedasticity (C	Generalized AutoRegressive Conditional	11

	2.2 Literature Review	12-14
	2.3 Theoretical Framework	15
	2.5 Summary of Chapter	16
CHAPTER 3	B DATA AND METHODODLOGY	
	3.0 Introduction	17
	3.1 Data Collection Method	18
	3.2 Empirical Model	19
	3.3 Measurements Of Variable	20
	3.3.1 Stock Returns	20
	3.3.2 Football Match	20
	3.4 Estimation Procedure	21
	3.5 Hypothesis Development	22
	3.6 Software Used	23
	3.7 Summary of Chapter	23
	3.8 Flow of Research	24
CHAPTER 4	FINDINGS AND DISCUSSION	
	4.0 Introduction	25
	4.1 Variable Description	25
	4.2 Descriptive Analysis	25-26
	4.3 Unit Root Test (Stationary Test)	26-30
	4.4 Variance Inflation (VIF) Test	31-33
	4.5 White Test (Breusch And Pagan Godfrey)	34
	4.6 Serial Correlation LM Test	35
	4.7 (GARCH) with GED Distribution	
	4.7.1 Serial Correlation	36-41
	4.7.2 ARCH Effect	42
	4.7.3 Residuals	43

#### **ABSTRACT**

Stock market and investor decisions become popular in finance researches. The effects of anomalies and psychological biases of behavioral finance on stock returns are also draw great attention. There are lots of academic studies which focus on sports matches and stock market returns. However, this study considers data from six football clubs, Manchester United and Arsenal (England), Juventus and AS Roma (Italy) and AFC Ajax (Netherlands) to test the link between their European performance (wins/draws/losses) and their stock returns. This study report (a) positive effects on Manchester United and Borussia Dortmund's stock returns, and (b) negative effects on Arsenal, AS Roma, AFC Ajax and Juventus. These findings are recommended to financial managers and investors who is dealing with football stock prices.