

# THE RELATIVE ABILITY OF EARNINGS AND CASH FLOWS DATA IN FORECASTING FUTURE CASH FLOWS: EVIDENCE IN MALAYSIA

A project paper submitted to the college of Business in partial fulfillment of the requirements of the degree of Master of Science (Finance)

University Utara Malaysia

By:

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# **ABSTRACT**

**Purpose** –The purpose of this thesis is to examine whether the free cash flow is related to earnings, dividends, depreciations, and capital expenditures. All these components have strong relationship with free cash flows in forecasting future cash flows for Malaysian companies. The general objective of this research study and central question is to investigate free cash flows affected by earnings, dividends, depreciations, capexs, and return on equity, return on asset, net income, net sales, and size of the firms in forecasting future cash flows in Malaysia.

**Design/methodology/approach-** Using a sample of 100 companies listed on the main board of Bursa Malaysia between 2005 until 2010. The researcher apply the ordinary least squares and fixed-effects approaches to estimate their regression models. To evaluate the forecasting performance of the regression models, both within-sample and out-of-sample forecasting tests are employed.

**Findings** – This study provided evidence that detailed cash flow from operations has more power in predicting future cash flows than earnings and traditional cash flow measures. Based on sample of 100 Malaysian Companies between 2005-2010 shows that independent variables and depreciation has strong relationship to dependable variable which is Free Cash Flows. The predictability of both earnings DPS, Capexs, depreciations have highly statistically significant to cash flows. The main findings based

the results shows EBITDA is the highest affected of free cash flows while DPS is lowest affected by free cash flows.

Originality/value –The value of this study indicates that EBITDA received much attention in corporate finance because EBITDA involves fewer components than cash flows making it easier to forecast. EBITDA differs from the operating cash flow in a cash flow statement primarily by excluding payments for taxes or interest as well as changes in working capital. EBITDA also differs from free cash flow because it excludes cash requirements for replacing capital assets (capex).

# TABLE OF CONTENTS

		Page				
DECLARATION						
PERMISSION						
ACKNOWLEDGEMENTS						
ABSTRACT						
TABLE OF CONTENTS						
LIST OF TABLES						
LIST OF ABBREVIATION						
СНАРТІ	ER ONE: INTRODUCTION					
1.	O Introduction	1				
1.	l Problem Statement	5				
1.	2 Research Questions	5				
1.	Research Objectives	6				
1.	4 Significance of the Study	7				
CHAPTER TWO: LITERATURE REVIEW AND HYPOTHESS DEVELPMENT						
2.	) Introduction	8				
2.	Relationship between EBIT and Free Cash Flows	9				
2.	2 Relationship between Dividends per Share and Free Cash Flows	29				
2	Relationship between Capital Expenditures,					
	Depreciation and Free Cash Flows	30				
2.	Relationship between the Moderating variable and Free Cash Flows	32				

2.	5 Difference between Earnings and Cash	33
CHAPTI	ER THREE: RESEARCH METHODOLOGY	
3.	0 Introduction	35
3.	1 Research Model and Measurement of Variables	35
3.	2 Dependent Variable: Free Cash Flows	36
3.	Independent Variable: EBIT, DPS, Captex, Depreciation	36
CHAPTI	ER FOUR: ANALYSIS OF DATA AND DISCUSSIONS	
4.	0 Introduction	40
4.	1 Descriptive statistics	41
4.	2 Correlation	43
4.	3 Multivariate Results	44
4.	4 Regression Analysis	45
4.	5 Panel Regression Model	46
4.	6 Removal of Variables	48
4.	7 Fixed Effects Model	50
СНАРТІ	ER FIVE: CONCLUSION	54
THE IM	PLICATION OF RESEARCH	56
REFERE	ENCES	57

# LIST OF THE TABLES

		Page
TABLE 4.1	Descriptive Statistics	35
TABLE 4.2	Correlation Matrix	37
TABLE 4.3	Summary of the Research Models	38
TABLE 4.4	Panel Regression Model	40
TABLE 4.5	Fixed Effect Model Regression Analysis	44

# LIST OF ABBREVIATION

FCF Free Cash Flows

EBIT Earnings before Interest Rate Tax

DPS Dividends per Share

EPS Earnings per Share

CAPEX Capital Expenditures

DEP Depreciations

ROA Return on Asset

ROE Return on Equity

ROI Return on Investment

NWC Net Working Capital

# **CHAPTER ONE**

# **INTRODUCTION**

# 1.0. Introduction

This dissertation focuses on using a relative ability of earnings and cash flow data in forecasting future cash flows in Malaysia. This investigation explores the relationships between the free cash flow components of earnings such as Earnings Before Taxes, Dividend Per Share, Capital Expenses, and Depreciation.

The objective of this study and the main question of this thesis is to observe and find out whether the free cash flow is related to earnings, dividends, depreciations, and capital expenditures, Return on Asset, Return on Equity, net working capital, net sales, size of firm. This is because the formula of free cash flows states that a complete comprehensive calculation. The formula of free cash flow presents that: EBIT\*(1-Tax) +Depreciation-Change in working Capital-Capital expenditure.

The purpose of this study is to examine whether independent variables such as dividends, EBITS, Capexs, Deprecations, have strong relationship to dependent variable Free Cash Flow. The only way depreciation generates cash flows for the company is by serving as a

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