

THE DETERMINANTS OF R&D INTENSITY:
IN CASE OF MALAYSIA

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UNIVERSITI UTARA MALAYSIA
JUNE 2011

**THE DETERMINANTS OF R&D INTENSITY:
EVIDENCE FROM MALAYSIA**

BY

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**Thesis Submitted to the Centre for Graduate Studies,
Universiti Utara Malaysia,
in Fulfillment of the Requirement for the Master of Science (International Accounting)**

DECLARATION OF ORIGINALITY

DECLARATION

I hereby declare that the work in this assignment is my own except for quotation and summaries which have been duly acknowledged.

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ABSTRACT

This paper examines the determinants of R&D spending in Malaysia. The study aims to investigate whether variables such as profitability, leverage, growth and director ownership influence R&D. Analysis of 30 companies from technology industry in ACE Market was selected. Descriptive analysis and linear regression analysis are performed in this study. By using the regression model, only two variables can be concluded as factors influencing the R&D which are profitability and leverage. Growth and director ownership are not significant in explaining the firms' decisions on R&D expenditure.

ACKNOWLEDGEMENT

All praise is to Allah S.W.T., The Most Gracious and Most Merciful who has given me the strength, ability and patient to complete this project paper. I would like to express my utmost gratitude to my supervisor, Dr. Rohaida Binti Abdul Latif and my reviewer Dr. Kamarun Nisham Bin Taufil Mohd, who has guided me throughout this study. Without their commitment and advice, this project would not be complete accordingly. My sincere appreciation given to all lecturers in Universiti Utara Malaysia (UUM), that have given me with invaluable knowledge and experiences during my study at UUM. Last but not least, my special thanks to those who have contributed and supported me in completing this dissertation, Mr. Redzuan and family, Mrs. Zuraini and family, Ms. Nurul Huda, Ms. Nasuha, Ms. Nor Idah and friends in UUM and Kolej Islam Darul Ridzuan (KISDAR). To my beloved family, especially my parents, Mr. Sulaiman and Mrs. Fauziah, who are the greatest person in my life, thank you for the endless love and prayers that they have given.

Millions of thanks again to everyone abovementioned, and including those who not being mentioned in this acknowledgement.

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LIST OF ABBREVIATIONS

CEOs	Chief Executive Officers
DCs	Domestic corporations
EBITDA	earnings before interest, tax, depreciation and amortization expenses
et.al	(et alia); and others
FRS	Financial Reporting Statement
GERD	Gross expenditure on R&D
IAS	International Accounting Standards
i.e.	(id est); that is
MASB	Malaysian Accounting Standard Board
MASTIC	Malaysian Science and Technology Info Centre
MNCs	Multinational Companies
MTBV	Market to Book Value
NIE	Newly Industrializing Economies
OECD	Organization for Economic Co-operation Development
OLS	Ordinary Least Squares
PLCs	Public Listed Companies
R&D	Research and Development
SPSS	Statistical Package for the Social Science
VIF	Variance Inflation Factors

CHAPTER ONE

INTRODUCTION

1.1 Background of the Study

Research and development (hereafter R&D) is essential for the advancement of future performance of company and wealth creation through the development of intellectual properties and technologies (Nor, Saleh, Jaffar and Shukor, 2010). To remain competitive, companies are required to invest a certain amount of capital to attract the attention of new investors and customers by focusing on their unique and innovation. Companies with the greatest propensity for R&D can overcome the internal and external factors such as shorter product life cycles, intense competition and increase shareholders wealth. Therefore, the management of companies will determine the appropriate accounting treatment for R&D in order to show their best performance in increasing the value of companies.

The accounting treatment for R&D is discussed under FRS 138- Intangible Assets. Paragraph 54 of this standard state that no recognition for intangible assets arising from research phase, therefore, the cost shall be expensed in the income statement when they are incurred. For development cost, as stated by paragraph 57, the recognition for intangible asset only if an entity can demonstrate the following: (a) the technical feasibility of completing the intangible asset so that it will be available for use or sale; (b) its intention to complete the intangible asset and use or sell it; (c) its ability to use or sell the intangible asset; (d) how the intangible asset will generate probable future economic benefits; (e) the availability of adequate technical,

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