

UNIVERSITI TEKNOLOGI MARA

THE DETERMINANTS OF FINANCING SOURCES FOR RESEARCH AND DEVELOPMENT INVESTMENT IN MALAYSIAN LISTED COMPANIES

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BBA BUSINESS ADMINISTRATION

JANUARY 2020

ACKNOWLEDGEMENT

First of all, I would like to express my deepest appreciation to those who helped me throughout my research writing and provide the required information and guidelines to complete this study. Without them, this study would not have been completed. To my beloved and respected supervisor, Madam Flicia Rimin, who always give me the support, advices and guide me to complete this study, thank you for the knowledge shared and your kindness will always be remembered. I really appreciated for the time that you spend with me. You taught me about commitment, self-discipline, to think critically and enhanced my confidence and thinking skills. I am truly indebted and thankful to my parents, family and friends for their support and love. They always encouraged me to do well in my studies and always be there when I needed them the most. Not forget to thank Universiti Teknologi Mara (UiTM) for giving me the opportunity to experience this course. This course really helps me in seeking new experience and challenged myself to be better than what I am yesterday. For those who have directly or indirectly gave me the support to complete this study, I want to say thank you so much and may God bless you.

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ABSTRACT

This study aims to investigate the relationship between different financing sources and the research and development investment of companies that are listed under ACE Market of Bursa Malaysia. The investigation is carried out based on panel data for a sample of 26 Malaysian listed companies under ACE Market. The period of study is taken for eight years starting from 2011 to 2018, which is after the global financial crisis that was believed to give negative impact for company to finance their research and development activities. This study chose research and development intensity (R&D over sales) as a proxy for research and development (R&D) investment. Financing decision is one of the important areas in financial management in order to increase shareholders' wealth. Firms can use either debt or equity capital to finance their assets. Therefore, this study analyse three types of financing sources which include internal financing ratio, debt ratio and equity financing ratio as the independent variables. This study also includes a set of control variables that commonly employed in the empirical literature as determinants of research and development investments which are the size, tangibility and return on assets. The results indicate that internal financing ratio, debt ratio, and equity financing ratio have a positive and significant relationship with research and development intensity. Size and tangibility are negatively correlated with research and development intensity but the relationship is insignificant. Return on assets has a positive relationship with the research and development intensity but the relationship is not significant as well.

Keywords: Financing Sources, R&D, Internally-generated funds, Debt, Equity Capital, Size, Tangibility, Return on assets, ACE Market, Global Financial Crisis