UNIVERSITI TEKNOLOGI MARA

FUNDAMENTAL AND BEHAVIOURAL FACTORS DETERMINING BANK OFFICERS' CREDIT DECISION FOR SME LENDING IN MALAYSIA

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ABSTRACT

In Malaysia commercial banking practice, credit analysis for SMEs loan application involved an internal credit officers' quantitative and qualitative decision making process. Based on the bounded rational theory, ideally, bank credit officers would be influenced by both fundamental factors and behavioural factors in their credit assessment and decision making process. While the fundamental factors are widely acknowledged, the behavioural factors are under-researched. This research aims to study the fundamental and behavioural factors determining bank officer credit decision for SMEs lending in Malaysia using the theoretical lenses of behavioural finance. Analyses are conducted using hierarchical multiple regression as a main analysis. In addition, multiple linear regression and mean centered approach are performed as robustness analysis. In finding ways to reduce behavioural biases, the moderating role of human capital factor on the relationship between behavioural factors on behavioural credit decision are examined. The data for the study were obtained from survey involving 161 bank credit officers in development financial institutions and commercial bank. The selected sampling technique adopted for this study is non-probability combining quota and purposive sampling technique. Hierarchical multiple regressions was used to examine the relationship between the fundamental factors, behavioural factors and human capital factors on bank officers' credit decision for SMEs lending. The analyses also been control by gender and age. On the fundamental factors assessment, regression results showed that character and condition are positively significant related to the fundamental credit decision making. On the behavioral factors assessment, intuition, overconfidence and loss aversion are positively significant related to the behavioural credit decision making. On the interaction analysis, the findings indicate that; (i) credit experience is negatively significant in moderating intuition and overconfidence influence on behavioural credit decisions; (ii) emotional intelligence is negatively significant in moderating intuition, loss aversion, optimism, and overconfidence influence on behavioural credit decisions. Overall, the findings of this study would be valuable in enhancing the SMEs lending theory, policy and practice.

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CHAPTER ONE INTRODUCTION

1.1 Motivation

Small and medium-sized enterprises (SMEs) plays an important role in socioeconomic developments of Malaysia. In 2018, SMEs contributing more than a third (37.1%) of gross domestic product and providing employment opportunities to more than four million employees in Malaysia¹. Hence, sustaining their business growth and sustainability of significant are important to the country. The most important factor to support SMEs businesses growth is debt financing which represents major source of capital to SMEs. Moreover, the main sources of financing for SMEs comes from the banking institutions which providing more than 90% of total financing². Over the years, numerous initiatives have been implemented to strengthen financing for SMEs in Malaysia. Despite various efforts, SMEs still facing difficulties in obtaining bank loans. This issue has been well reported in World Bank policy paper (Abraham and Schmukler, 2017³), Malaysia Central Bank policy paper (BNM, 2017; 2018), major newspapers (The Star, April 1 2019⁴, The Edge, October 11, 2019⁵) and academic research (Saleh, and Ndubisi, 2006; Aris 2007; Harif, Hoe, and Zali, 2011; Zairani and Zaimah, 2013; Ramlee and Berma, 2013; Wonglimpiyarat, 2015; Yoshino, and Taghizadeh-Hesary, 2019; Wasiuzzaman, Nurdin, Abdullah, and Vinayan, 2020). In this regards, research continues to understand the bank lending behavior to SMEs in an attempt to improve lending policies and practices.

In commercial banking practice, credit analysis for SMEs loan application involved an internal credit officers' decision making process. Based on bounded rational theory, ideally, bank credit officers would be influenced by both rational (fundamental factors) and irrational (behavioural factors) in their credit assessment and decision making process. The important of fundamental factors in assessing the

¹ https://www.bnm.gov.my/index.php?ch=fi&pg=fi_sme&ac=443&lang=en

² https://www.bnm.gov.my/sme-financing

³ http://documents1.worldbank.org/curated/ru/809191507620842321/pdf/Addressing-the-SME-finance-problem.pdf

⁴ https://www.thestar.com.my/business/smebiz/2019/04/01/understanding-sme-financing-in-malaysia/

⁵ https://www.theedgemarkets.com/article/lack-financing-tight-cash-flow-among-problems-faced-smes