

**THE EFFECT OF DEMAND-SIDE FACTORS ON
ACCESSING EXTERNAL FINANCE AND
PERFORMANCE OF SMEs IN THAILAND**

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**A THESIS SUBMITTED FOR THE DEGREE OF DOCTOR OF
PHILOSOPHY OF THE UNIVERSITY OF NEW ENGLAND**

OCTOBER 2006

DECLARATION

I certify that the substance of this thesis has not already been submitted for any degree and is not currently being submitted for any other degree.

I certify that to the best of my knowledge any help received in preparing this thesis, and all sources used, have been acknowledged in this thesis.

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Naruanard Sarapaivanich

Some sections of this thesis have already been presented as conference papers or have been published in conference proceedings and journal. They are:

Sarapaivanich, N. 2003. The use of accounting information in financing decision and performance of SMEs in Thailand. Proceedings of the 16th Small Enterprise Association of Australia and New Zealand, at Ballarat, Australia

Sarapaivanich, N, and B Kotey. 2006. The effect of demand-side issues in accessing external funds on performance of SMEs in Thailand (Best Australasian themed paper). Proceedings of the 51st International Council for Small Business World Conference, at Melbourne, Australia.

Sarapaivanich, N, and B Kotey. 2006. The effect of investment readiness in accessing external finance of SMEs in Thailand. Proceedings of the 29th Institute for Small Business and Entrepreneurship Conference, at Cardiff-Caerdydd, the United Kingdom

Sarapaivanich, N, and B Kotey. 2006. The effect of financial information quality on ability to access external funds and performance of SMEs in Thailand. *Journal of Enterprising Culture* 14 (3):219-239.

ACKNOWLEDGEMENTS

The completion of this thesis would not have been possible without the assistance and support of many people. First and foremost, I would like to recognise the efforts of my supervisor, Dr. Bernice Kotey. She generously shared her knowledge, wisdom and expertise, and provided compassion, inspiration, confidence and direction at critical times during the course of my candidature. Her excellent supervision, valuable opinions, guidance and encouragement have enabled me to progress until completion.

I would also like to take this opportunity to thank Professor Ray Cooksey, Akarakpong Unthong, and Dr. Habib Mahama for their valuable help and advice regarding methods of data analysis. Thanks are also due to Professor Patrick Hutchinson for his very helpful comments on some parts of this thesis.

Thanks must go to Judy Redman, Darin John Ellis, and David W. Essaw for editing and proofreading my thesis. I am also grateful to my colleagues and friends for their assistance and suggestions throughout my period of PhD study. I am indebted to all of the owner/managers who contributed their valuable time to participate in interviews, pre-testing and focus groups. I am grateful to Chiang Mai University for granting me the scholarship to undertake a PhD. I am also appreciative of the help provided by members of the New England Business School at the University of New England for their administrative assistance and moral support.

A special thank you to my true friend, Rosemond Boohene, who always encouraged me and had faith in me. I am deeply grateful for her kindness understanding, guidance, suggestions, encouragement, and valuable assistance throughout this research, and for being everything for me: proofreader, statistical analysis, friend, officemate, housemate and mother.

Last but not least, I would like to thank my family for encouraging me to pursue a graduate degree and to never lose sight of the end result. I am very grateful to my husband, who never doubted my ability and encouraged me throughout the duration of

my candidature. I thank him for his patience, loving support and for being my inspiration.

ABSTRACT

SMEs make substantial contributions to the Thai economy in terms of output, employment, and effective utilisation of regional resources. In view of these contributions, SMEs are at the heart of the country's strategy aimed at making Thailand a competitive and dynamic knowledge-based economy. SMEs make up the majority of businesses in the country. The Department of Industrial Promotion revealed that, in 2002, there were 1,639,427 SMEs in Thailand, comprising 99.63 percent of all enterprises. The crucial role of SMEs in the overall health of the economy is dependent on their performance.

Several factors have been identified as affecting SME performance, in particular access to finance. As the SME sector is the backbone of the Thai economy, the government has intervened to address their inability to access finance. However, intervention programs focus on supply factors; that is, they are aimed at increasing supply of funds to the sector. Despite financial sector reforms involving an increase in the number of financial institutions and the introduction of a secondary stock market with lower listing requirements, access to finance continues to be a major problem that constrains SME performance in Thailand. Persistence of the problem suggests that addressing only the supply factors by increasing finance to SMEs will not enable SMEs to access finance. In addition, a focus on supply factors alone may lead to the protection of inefficient businesses, as policies that subsidise inefficient firms interfere with their competitiveness. Previous research indicates that demand-side factors account more for the inability of SME to access finance. The demand-side argument suggests that SMEs are unable to access finance because they are not investment ready. Investment readiness enhances a firm's ability to access finance and its performance. Increased performance of the SME sector ultimately boosts national economies by encouraging survival of the most efficient firms.

A number of studies have examined the relationships among investment readiness, access to finance, and the performance of large, publicly quoted companies. A few studies have examined these relationships for the SME sector in developed economies, but similar studies for developing economies are few and far between. This study

therefore examines the relationships among investment readiness, access to finance and performance of SMEs in Thailand, with the aim of assessing the extent to which findings in the Western literature apply to the Thai context.

The majority of SMEs in Thailand are in the trading sector and are primarily located in Bangkok, Khon Kan, and Chiang Mai. Thus, SMEs in the trading sector within these three provinces were chosen as the target population from which the sample was drawn for this study. Due to time and resource limitations, convenience sampling was used to collect data for this study as it is the best method for obtaining a large number of responses quickly and economically. Face-to-face interviews using a structured questionnaire were conducted to collect primary data from 407 respondents. Partial Least Square (PLS), a structural equation modeling technique, was used to analyse the relationships depicted in the theoretical model for SMEs in Thailand.

The results of the hypotheses tests revealed that access to finance has a significant positive effect on the performance of SMEs in Thailand. Further, a number of the investment readiness variables (owner/manager's age and gender, business size, financial leverage and financial information) were found to have significant associations with the access to finance and/or performance of SMEs. Several investment readiness variables were also found to have significant indirect effects on performance through access to finance.

The study provides empirical support for the relationships among investment readiness, access to finance, and performance using data on SMEs in Thailand. The findings indicate that SMEs are, to a significant extent, responsible for their inability to access capital from external sources. The findings also suggest that being investment ready will place SMEs in a better position to access external capital and enhance their performance. The study implies that, in addition to increasing the supply of finance to the SME sector, governments can enhance the ability of SMEs to access the available funds by ensuring they are investment ready. This can be achieved through education and training programs that assist SMEs in maintaining proper financial records, and understanding, interpreting and using the records for management decisions that involve access to finance. Owner/managers can also be trained to make realistic

assessments of their business ability to access finance, and to present a convincing case to finance providers.

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LIST OF ABBREVIATIONS

-	Does not mention variable as a factor contributing to performance
<i>a</i>	Raw (unstandardised) regression coefficient for the association between independent and mediator
$A_1 \dots A_{14}$	Structural parameters, regression coefficients of unobservable exogenous variables
ACCESS	Access to finance
ACCESS1	Perception of ability to access outside equity capital
ACCESS2	Perception of ability to achieve low costs of accessing outside equity capital
ACCESS3	Perception of ability to achieve low interest rates
ACCESS4	Perception of ability to achieve low processing costs
ACCESS5	Perception of ability to achieve low collateral requirements
ACCESS6	Perception of ease of handling loan application processes
AGE	Age
AGE1	Age of owner/managers
AUD	Australian dollar
AVE	Average variance extracted
<i>b</i>	Raw coefficient for the association between the mediator and the dependent variable
B_1	Structural parameters, regression coefficients of unobservable endogenous variable
$C_1 \dots C_{24}$	Regression coefficients (factor loadings)
$E_1 \dots E_{11}$	Measurement errors in observed exogenous variables
EDU	Education
EDU1	Highest educational qualification or nearest equivalent of owner/managers
EIS	Enterprise Investment Scheme
EXP	Experience

EXPI	Number of years owner/managers have owned or managed their businesses
FI	Financial Information
FI1	Accuracy and completeness
FI2	Timeliness
FI3	Consistency
FLR	Financial Leverage Ratio
FLR1	Proportion of debt in start-up capital
FLR2	Proportion of debt in current capital
GDP	Gross Domestic Product
GEN	Gender
GEN1	Sex of owner/managers
H	Hypothesis
IFCT	Industrial Finance Corporation of Thailand
ISA3	Statement of accounting concept no.3
ISMED	Institute for Small and Medium Enterprises Development
M&M	Modigliani and Miller
MAI	Market for Alternative Investment
MIs	Medium Industries
N	Does not consider variable a factor contributing to performance
P	Variable is considered a factor contributing to performance
P1	Personal quality and traits, such as self-confidence, optimist
P2	Social factors, such as employment and refugees
P3	Costs, such as cost of finance, materials, and equipment
P4	Non-financial inputs, such as materials and equipment
P5	Technology
P6	Overseas exposure
P7	Economic timing
PERF	Performance
PERF1	Satisfaction with profitability
PERF2	Satisfaction with growth in sales
PERF3	Satisfaction with return on assets
PERF4	Satisfaction with cash flow
PERF5	Satisfaction with lifestyle

PERF6	Satisfaction with independence
PERF7	Satisfaction with job security
PLS	Partial least Squares
POF	Pecking Order Framework
Q_1, \dots, Q_{13}	Measurement errors in observed endogenous variables
ROA	Return on Assets
ROE	Return on Equity
S_1, S_2	Random errors
s_a	Standard error of a
s_b	Standard error of b
SEM	Structural Equation Modeling
SIFC	Small Industry Finance Corporation
Sis	Small Industries
SIZE	Size
SIZE1	Fixed assets value
SIZE2	Number of employees
SMEs	Small and medium enterprises
SMIs	Small and Medium Industries
SMMEs	Small, Medium, and Micro Enterprises
SQRT	Square root
THB	Thai baht
VCTs	Venture Capital Trusts
X_1, \dots, X_{24}	Intercepts
α_1, α_2	Intercepts
θ	Indicator error variances
λ	Indicator loadings
ρ_c	Composite reliability
Σ	Summation over the indicators of the unobserved variable