

UNIVERSITI TEKNOLOGI MARA

**ASSESSING THE RELATIONSHIP BETWEEN
RISK ASSESSMENT PRACTICES, RISK CONTROL
PRACTICES, QUALITY RISK MANAGEMENT
AND CONSTRUCTION PROJECT PERFORMANCE:
AN EMPIRICAL STUDY IN MALAYSIAN
CONSTRUCTION PROJECTS.**

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Thesis submitted in fulfilment of the
requirements for the degree of
Doctor of Philosophy

Faculty of Business Management

October 2013

AUTHOR'S DECLARATION

I declare that the work in this thesis was carried out in accordance with the regulations of Universiti Teknologi MARA. It is my original and is the result of my own work, unless otherwise indicated or acknowledged as reference work. This thesis has not been submitted to any other academic institution or non-academic institution for any degree or qualification.

I, hereby, acknowledge that I have been supplied with the Academic Rules and Regulations for Post Graduate, Universiti Teknologi MARA, regulating the conduct of my study and research.

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ABSTRACT

This study focuses on the relationship between the risk assessment practices (RAP), risk control practices (RCP), quality risk management (QRM) and construction project performance (CPP). This study is basically a measurement centers around the implementation of the project risk management (PRM) that includes the processes concerned with identifying, analyzing, and responding to project risk. Survey data gathered from 264 projects in G7 grade of contractors in Malaysia was used to assessing the relationships between the stated variables. The analysis were performed using rigorous statistical analysis of SPSS version 16 and AMOS program for structural equation modeling (SEM) techniques. Results show that RAP is observed to have a positive relationship on QRM, but no direct relationship on CPP. RCP has direct positive relationship to both QRM and CPP. Whereas QRM has a positive relationship on CPP. It fully mediates the relationship between RAP and CPP and partially mediates the relationship between RCP and CPP. RAP and RCP are positively correlated. RAP influence the choice of measures; and RCP encourage implementation of RAP. The study contributes to better understanding of implementation of risk management in project. This holds practical and managerial implications to increase the understanding of project risk management and its related performance measurement. In nutshell this study provide useful insights to project managers seeking to improve performance in their construction projects as well as that of the chains they belong to. Thus, the results of this study can make a good addition among the consultants to in-house management training material on construction project management and project risk management.

ACKNOWLEDGEMENT

To the believers in Allah, nothing is possible without his blessings and grace. So begin, I would like to thank Allah , without whom, my endeavor in this study would have been in vain.

Apart from the efforts of me, the success of any project depends largely on the encouragement and guidelines of many others. I take this opportunity to express my gratitude to the people who have been instrumental in the successful completion of this project. First and foremost to my supervisor, Prof Dr Hajjah Zuriyah Abdul Rahman, for her patience and understanding meant a lot to me and it gave me the moral fortitude to continue pursuing my goal despite the difficulties I faced.

Special thanks goes to Assoc. Prof. Dr Hayati Mohd Dahan, Assoc. Prof. Ir Dr Mastura Jaafar and Assoc. Prof. Dr Florence Ling Yean Ying. All comments and suggestions that have been given are very much appreciated. I learned a lot of mistakes and thankfully it made me more courageous to make the writing better research.

My sincere appreciation goes to my only child, Ameer Aiman for delivering loves, cries and laughs to make me strong enough to walk in every obstacles finishing my thesis. Special thanks to my father, Ahmad Hassan for standing strong and ensuring my siblings and me brought up and to be more than we could, Insyallah.

My sincere gratitude conveyed to my colleagues at Insurance and Risk Management Department of UiTM and friends at IPSIS. Lastly, my thanks to all my friends from various universities who always support through directions, comments, constructive criticism and encouragement, when i need them most, especially to Assoc Prof. Dr Intan Rohani Endut, Assoc Prof Yon Bahiah and others that i definitely cannot mention it here. To all the respondents of this research, i am indeed indebted to all of whom for without their response, support, time, kindness and help, it would have been impossible to complete this research. My truthful thanks to friends at CIDB, CREAM and MARIM.

This thesis is dedicated to my late mother, Hajjah Che Ramlah Dollah, my teachers and lecturers.

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