INDUSTRIAL TRAINING REPORT

AT

OFFICE OF RESEARCH, INNOVATION, COMERCIALIZATION

AND CONSULTATION

UNIVERSITI TUN HUSSEIN ONN MALAYSIA

BY

SITI NABILAH SYUHADA BINTI ABDULLAH

(2010484762)

REPORT

SUBMITTED TO

FACULTY OF COMPUTER AND MATHEMATICAL SCIENCES

UNIVERSITI TEKNOLOGI MARA

AS PART OF REQUIREMENT

FOR

BACHELOR OF SCIENCE (HONS) (STATISTICS)

JANUARY 2014

ABSTRACT

Established in January 2006, ORICC or Office for Research, Innovation, Commercialization and Consultancy Management of University Tun Hussein Onn Malaysia, Johor, has become the main drive force to enhance research culture and activities at the university. ORICC has created many bold ideas to increase the university's research quantities and qualities, including the creation of bold mission and vision of research at UTHM. This study aims to analyze the current performance of these funds and find out factors which influences the researchers fund management performance. It can provide assistance in identifying groups of researchers which must be advised about their research expenditure and identify possible team manager candidates that are capable of managing the research project financially in the future. A logistic regression approach was used and it was discovered that a team manager's age, faculty and the research project's grant type affects the research project's fund management status. It was found that research projects who are funded by internal grants are twice more likely to fail in managing their funds than research projects funded by external grants. In terms of team managers' faculty, when compared to FKMP, team managers from PPD have the highest risk of failing to manage the research project funds followed by team manager from FPTV, FSTPI, FKEE and FPTP. Besides that, research projects with more team members are more likely to fail in managing their research fund compared to research project with fewer team members.

Keywords: Office for Research, Innovation, Commercialization and Consultancy, University Tun Hussein Onn Malaysia, researchers fund management performance, logistic regression.

ACKNOWLEDGEMENT

"In the name of ALLAH S. W. T, The Most Gracious and The Most Merciful Lord"

Praise to Allah S.W.T. The Lord of the universe, for His wisdom, strength and blessings. Without His Grace and Mercifulness, this report may not be completed on time and can now be read by others. Peace and blessings of Allah be upon His Messenger, Muhammad S.A.W.

First and foremost, I would like to extend my thanks to the Deputy Vice-Chancellor of Research and Innovation Prof. Dr. Wahid Razzaly for giving me the opportunity to undergo my industrial training at The Office of Research, Innovation, Commercialization and Consultation (ORICC), Universiti Tun Hussein Onn Malaysia. Not to forget, great appreciation goes to the rest of ORICC's staff that helped me during my training especially to Puan Norliah Binti Yaakob and Puan Saliza Binti Ahmad for all the contribution and guidance during these 14 weeks.

Special thanks go to my wonderful supervisor, Miss Nur Syaliza Hanim Binti Che Yusof. The supervision and support that she gave truly help the progression and smoothness my industrial training program. Hearty thanks also to our Industrial Training Coordinator Madam Siti Nurhafizah Binti Mohd Shafie and all the other lecturers in helping me complete this study. Last but not least I would like to thank my loving family and friends that also gave a helping hand in completing this report.

JANUARY 2014

SITI NABILAH SYUHADA BINTI ABDULLAH

TABLE OF CONTENTS

| ABTRACT | | i | |
|--------------------------------------|---|------|--|
| ACKNOWLEDGEMENT TABLE OF CONTENTS | | | |
| | | | |
| LIST OF F | IGURE | vii | |
| LIST OF A | BBREVIATIONS | viii | |
| CHAPTER | 1: INTRODUCTION | 1 | |
| 1.1 | Background of Industrial Training | 1 | |
| 1.2 | Objectives of Industrial Training | 2 | |
| 1.3 | Industrial Training Attachment | 2 | |
| 1.4 | Background of Organization | 3 | |
| | 1.4.1 University Background | 3 | |
| | 1.4.2 Office Background | 7 | |
| CHAPTER | 2: PREDICTING RESEARCH FUND MANAGEMENT | | |
| PERFORM | IANCE USING LOGISTIC REGRESSION: A CASE STUDY | | |
| OF UNIVE | RSITI TUN HUSSEIN ONN MALAYSIA (UTHM) | | |
| RESEARC | H PROJECTS | 14 | |
| 2.1 | Introduction | 14 | |
| 2.2 | The Problem Statement | 15 | |
| 2.3 | The Objectives of the Study | 16 | |
| 2.4 | Research Question | 17 | |

| | 2.5 | Research Hypothesis | | | | |
|--------|--------------------------------|--|------------------------------|----|--|--|
| | 2.6 | Limitation of the Study | | | | |
| | 2.7 | Significance of study | | | | |
| CHA | PTER | 3: LITERATUR | E REVIEW | 19 | | |
| | 3.1 | Introduction | 19 | | | |
| | 3.2 | Team Manager Profile | | | | |
| | 3.3 | 3.3 Research History | | | | |
| CHA | PTER | 4: RESEARCH | METHODOLOGY | 25 | | |
| | 4.1 | The Target Pop | oulation | 25 | | |
| | 4.2 | The Sampling and Data Collection Procedure | | | | |
| | 4.3 The Variables in the Study | | | | | |
| | 4.4 | 1.4 The Theoretical Framework of the Study | | | | |
| | 4.5 Definition of Terms | | | | | |
| | 4.6 | Procedure for Data Analysis in the Study | | | | |
| | | 4.6.1 Explora | tory Data Analysis | 30 | | |
| | | 4.6.2 Correla | tion Analysis | 30 | | |
| | | 4.6.3 Logistic | e Regression | 31 | | |
| 4.7 | | The Research Schedule of the Study | | 35 | | |
| CHA | PTER | 5: ANALYSIS A | ND PRESENTATIONS OF FINDINGS | 36 | | |
| 5.1 Ex | | Exploratory Da | ta Analysis | 36 | | |
| | 5 | 1.1 Depend | ent Variable in the Study | 36 | | |
| | 5 | 1.2 Categor | ical Variables in The Study | 36 | | |
| | 5 | 1.3 Continu | ous Variables in the Study. | 39 | | |
| | 5.2 | Correlation Analysis | | 39 | | |