

MULTI-CRITERIA KNOWLEDGE MANAGEMENT FOR A LEAN  
SCHOOL SAFETY SYSTEM

PACHERNWAAT SRICHAI

DOCTOR OF PHILOSOPHY  
IN KNOWLEDGE MANAGEMENT

ลิขสิทธิ์มหาวิทยาลัยเชียงใหม่  
Copyright © by Chiang Mai University  
All rights reserved  
THE GRADUATE SCHOOL  
CHIANG MAI UNIVERSITY  
AUGUST 2013

MULTI-CRITERIA KNOWLEDGE MANAGEMENT FOR A LEAN  
SCHOOL SAFETY SYSTEM

PACHERNWAAT SRICHAI

A THESIS SUBMITTED TO THE GRADUATE SCHOOL IN  
PARTIAL FULFILLMENT OF THE REQUIREMENTS  
FOR THE DEGREE OF  
DOCTOR OF PHILOSOPHY  
IN KNOWLEDGE MANAGEMENT

ลิขสิทธิ์มหาวิทยาลัยเชียงใหม่

Copyright © by Chiang Mai University  
All rights reserved  
AUGUST 2013

**MULTI-CRITERIA KNOWLEDGE MANAGEMENT FOR A LEAN  
SCHOOL SAFETY SYSTEM**

**PACHERNWAAT SRICHAI**

THIS THESIS HAS BEEN APPROVED  
TO BE A PARTIAL FULFILLMENT OF THE REQUIREMENTS  
FOR THE DEGREE OF DOCTOR OF PHILOSOPHY  
IN KNOWLEDGE MANAGEMENT

**EXAMINING COMMITTEE**

.....CHAIRPERSON

Lect. Dr. Jatana Mounmoon

.....MEMBER

Asst. Prof. Dr. Nopasit Chakpitak

.....MEMBER

Asst. Prof. Dr. Pitipong Yodmongkol

.....MEMBER

Lect. Dr. Acrapol Nimmolrat

.....MEMBER

Lect. Dr. Worawit Chanchai

**THESIS ADVISORY COMMITTEE**

.....ADVISOR

Asst. Prof. Dr. Pitipong Yodmongkol

.....CO-ADVISOR

Lect. Dr. Komsak Meksamoot

.....CO-ADVISOR

Lect. Dr. Pradorn Sureephong

30 August 2013

© Copyright by Chiang Mai University

## Acknowledgments

I would like to thank my supervisors for their continued support and guidance. Thank you to Asst. Prof. Dr. Pitipong Yodmongkol, Dean of College of Arts, Media and Technology (CAMT), Lect. Dr. Komsak Meksamoot, Lect. Dr. Pradorn Sureephong. My deepest gratitude is extended to, Asst. Prof. Dr. Nopasit Chakpitak, the Assistant President for Academics and International Relations of CMU and Lecturer at CAMT, who supervised, helped and supported me throughout my study.

I am highly indebted to Dr. Paul C. Goldsmith, former Lecturer at CAMT in helping me to communicate my ideas in good academic English. He also gave me valuable suggestions and experience. I have a great chance to learn from him.

I am also especially thankful to all my staff at Baiboonlamphun School, who helped me in collecting data and implementing the thesis framework within the school. Special thanks to Rowena S. Boloron, Roongroj Saentern, Komkrit Na Chiangmai, Malinee Funkaat, Sorndao Inthamee and Montree Puttawong, who provided me their time in helping about this.

My special thanks to all of my friends and classmates, Nipawan Matalay, Paipan Thanalerdsopit, Sirikorn Santirojanakul, who gave me great encouragement.

I would like to express my heartfelt appreciation to my in-laws, Mr. Kitti Wipusattaya and Mrs. Surintorn Wipusattaya, my parents-in-law, Dr. Med. Sukit Wipusattaya, Meena Wipusattaya and Natikarn Wipusattaya, my brother and sisters-in-law, for their warm support, great motivation and help.

I wish to express my love and deepest gratitude to my parents, Mr. Kamon Srichai and Mrs. Sanglaa Srichai, who give me life with a strong heart.

And most of all, I would also like to thank my family, who sacrifice everything for me. Mrs. Wanwisa Srichai, my smart, affectionate and beautiful wife, Kittinatda Srichai, Kamalasurein Srichai, and Kawincheewa Srichai, all my beloved daughters. I am greatly indebted to all of them, without whom this study would have been impossible.