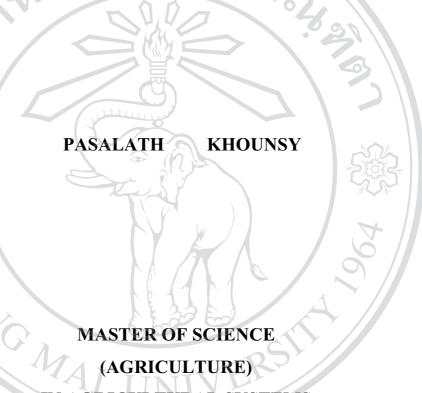
#### BENEFITS, COST AND CONSTRAINTS TO ADOPTION OF INTEGRATED BUBBER-BASED FARMING SYSTEMS IN

OUDOMXAY PROVINCE, LAO PDR



IN AGRICULTURAL SYSTEMS

## ลิขสิทธิ์มหาวิทยาลัยเชียงใหม่ Copyright<sup>©</sup> by Chiang Mai University All rights reserved

THE GRADUATE SCHOOL **CHIANG MAI UNIVERSITY AUGUST 2009** 

## BENEFITS, COST AND CONSTRAINTS TO ADOPTION OF INTEGRATED BUBBER-BASED FARMING SYSTEMS IN OUDOMXAY PROVINCE, LAO PDR

PASALATH

**KHOUNSY** 

A THESIS SUBMITTED TO THE GRADUATE SCHOOL IN PARTIAL FULFILLMENT OF THE REQUIREMENTS

FOR THE DEGREE OF MASTER OF SCIENCE (AGRICULTURE)

IN AGRICULTURAL SYSTEMS

ลิขสิทธิ์มหาวิทยาลัยเชียงใหม่ Copyright<sup>©</sup> by Chiang Mai University All rights reserved

THE GRADUATE SCHOOL
CHIANG MAI UNIVERSITY
AUGUST 2009

# BENEFITS, COST AND CONSTRAINTS TO ADOPTION OF INTEGRATED BUBBER-BASED FARMING SYSTEMS IN OUDOMXAY PROVINCE, LAO PDR

PASALATH

KHOUNSY

THIS THESIS HAS BEEN APPROVED

TO BE A PARTIAL FULFILLMENT OF THE REQUIREMENTS

FOR THE DEGREE OF MASTER OF SCIENCE (AGRICULTURE)

IN AGRICULTURAL SYSTEMS

**EXAMINING COMMITTEE** 

Lect. Phrek Gypmantasiri

CHAIRPERSON

Assoc. Prof. Dr. Benchaphun Ekasingh

**MEMBER** 

Asst. Prof. Dr. Chanchai Sangehyoswat

MEMBER

ยาลัยเชียงใหม

18 August 2009

© Copyright by Chiang Mai University

#### **ACKNOWLEDGEMENTS**

First of all, I would like to pledge my sincere gratitude to the Naional Agriculture and Forestry Research Institute (NAFRI) and the Lao - Swedish Upland Agriculture and Forestry Research Program (L-SUAFRP) for empowering and granting me scholarship to study for this masters' degree in the Agricultural Systems Program, Multiple Copping Center (MCC), Faculty of Agriculture, Chiang Mai University.

Second, it is an honor for me to have Assoc. Prof. Dr. Benchaphun Ekasingh, the chairperson as my thesis advisor and I am highly grateful and indebted for her wholehearted, professional guidance, and encouragement throughout the study duration, even at odd hours. I also would like to express my since gratitude to Assist. Prof. Dr. Chanchai Sangchyoswat and Lecturer Phrek Gypmantasiri for their valuable comment and suggestions. Further, I would like to convey my eminent appreciated to Dr. Budsara Limnirankul for encouragement at the early stage of this thesis proposal. I also dedicated many thanks to Ms. Chatnapha Prommanon and Ms. Naruemon Thinnarach and all of MCC staff for providing affectionate atmosphere with their proficient assistance during the course of study.

Third, I would like to utter my appreciation to Dr. Monthathip Chanphengxai, Director General of NAFRI and Mr. Phouthone Sophatilath, Head of Capacity Building Component for supporting grant and many facilities during this study and field work in Laos. Special thanks to all NAFRI staff for supporting valuable documents and information. Also special thanks to Mr. Viengsay Yajutua, Ms. Naly and Mr. Bounlerd for helping on data collection in the Namo district and also farmers

in the study areas who participated in this study. Without their kind assistance and information, this study would not be done.

Fourth, I would like to express my thanks to all AGS students (Zaw wan, Soe Win, Gyawali, Ratih, Sokha, Thasinithevy, Juthamas, Arief, Samanmali and Thida) and other special friends in CMU especially Khamla, Vilaphong, Singty, Khemkham, Phoukeo, Jaruayporn, Supaporn and Kanokwan, for their stunning friendships, and honorable supports throughout the living in Chiang Mai.

Finally, I would like to express my highest gratefulness to my beloved parents, brothers and friends for constant encouragement and understanding and supporting during my study in Thailand.

Pasalath Khounsy

## ลิขสิทธิ์มหาวิทยาลัยเชียงใหม่ Copyright<sup>©</sup> by Chiang Mai University All rights reserved

E MAI