

**MICROBIAL COMMUNITY STRUCTURE IN  
ANAEROBIC CO-DIGESTION SYSTEM  
OF MIXED WASTE IN LAB-SCALE  
BIOREACTOR**

**DOUNGHATAI SINGKA**

**DOCTOR OF PHILOSOPHY  
IN APPLIED MICROBIOLOGY**

**GRADUATE SCHOOL  
CHIANG MAI UNIVERSITY**

**JUNE 2014**

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**A THESIS SUBMITTED TO CHIANG MAI UNIVERSITY IN PARTIAL  
FULFILLMENT OF THE REQUIREMENTS FOR THE DEGREE OF  
DOCTOR OF PHILOSOPHY  
IN APPLIED MICROBIOLOGY**

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


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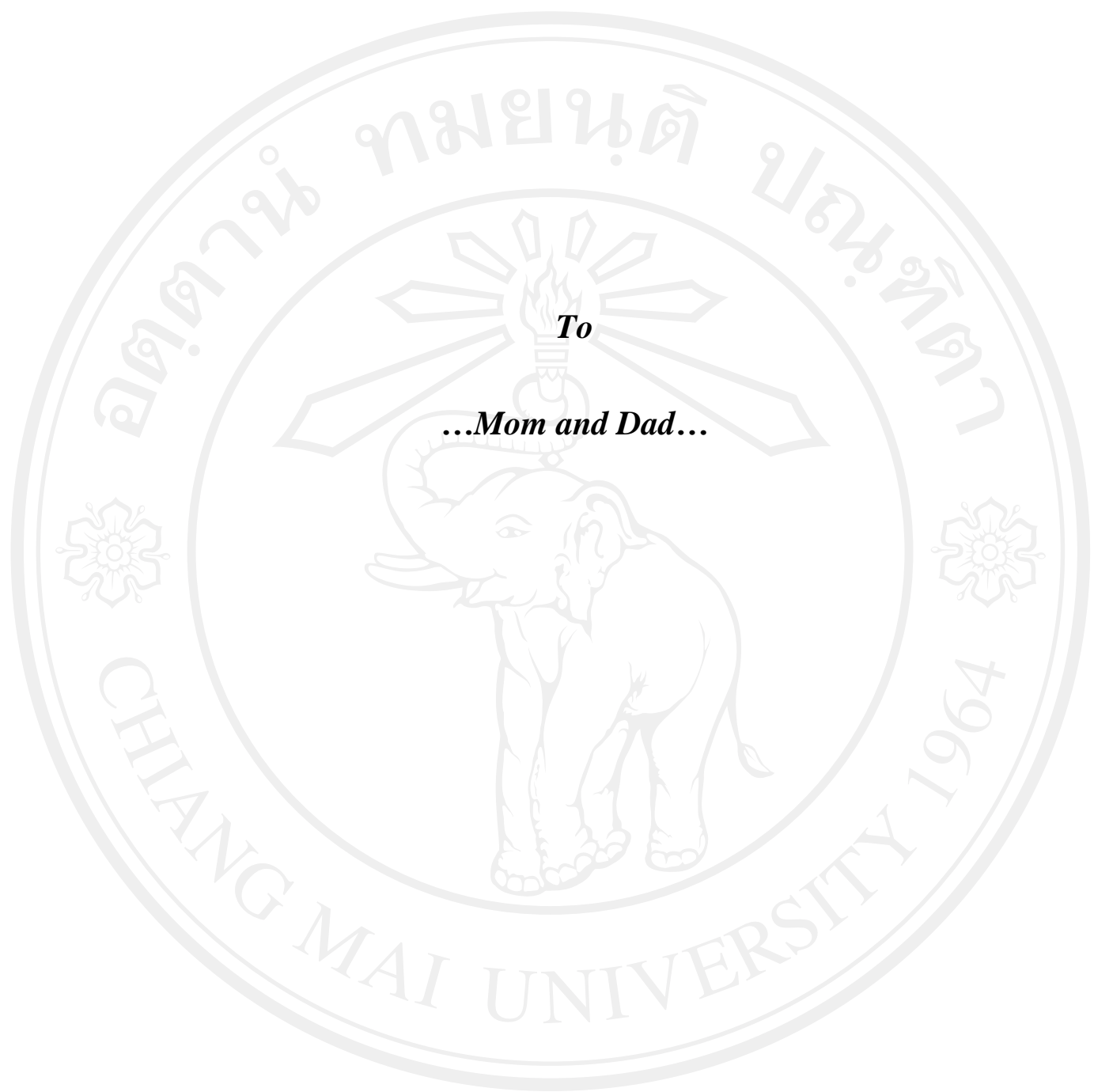
  
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3 June 2014

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## ACKNOWLEDGEMENT

There are many people whom I wish to thank for their help and support in completing this project. Firstly, I would like to thank my major advisor, Dr. Wasu Pathom-aree, for his helpful advice, encouragement and follow up this project process. I would like to thank my co-advisor, Asst. Prof. Dr. Sakunnee Bovonsombut and Asst. Prof. Dr. Patisroop Pholchan for their encouragement, valuable comment, suggestion and proofreading my thesis manuscript. I am also thanking Dr. Mujalin Pholchan and Dr. Chayakorn Pumas for being my examining committee, and providing comments and suggestions with useful criticism as well.

I wish acknowledge The Office of the Higher Education Commission, Thailand for financial support under the program Strategic Consortia for Capacity Building of University Faculties and Staff Scholarship for the Ph.D Program Thai Doctoral degree. I would like to thank Energy Research and Development Institute - Nakhonping, Chiang Mai University for opportunity to participate in research study, and I am also deeply thank to all co-worker and engineer involved in project for sample collection, data analysis and their advice. Also thank the Department of Biology, Faculty of Science, Chiang Mai University for permission to access the instruments and supply research chemical.

Lastly, I would like to thank all my friends at Biology Department, Chiang Mai University for their friendship, help and guidance during my research work. The biggest thank to my family for their love and support. They have been beside me in every endeavor that I have undertaken.

Dounghatai Singka