ACKNOWLEDGEMENTS

I would like to express my deepest gratitude to my advisor Professor Don McNeil and my co-advisor, Dr. Yupadee Chaisuksant for their invaluable assistance encouragement and helpful guidance.

My special thanks is to Dr. Suwit Thammapalo, Dr. Prasart Pewreungnon, Dr. Sirichai Leelawannapasai, and Mrs. Auemporn Areehathairat for their suggestions in preparation of the Aedes survey form. Also Miss Rebecca Oyomopito, Mrs. Metta Kuning and Miss Skulrat Ritsmitchai are appreciated for their comments on my thesis writing. The appreciation is to all health worker staff and public health volunteers for their data collecting assistance.

I would also like to express my thankfulness to Asst. Prof. Paktra Kooburat and Asst. Prof. Dr. Tiennan Vanitsuppavong for their examining and helpful comments. And my thanks go to Graduate School of Prince of Songkla University for supporting the scholarship.

Finally, my sincere appreciation is to my parents, my brothers, my sisters, my colleagues and my dearest friends for their encouragement and support.

Arwae Luemoh