

## ACKNOWLEDGEMENTS

I would like to express my deepest gratitude and appreciation to my thesis advisor, Assoc. Prof. Dr. Theeraphap Chareonviriyaphap for his helpful guidance, suggestion, valuable comment, encouragement and supporting materials and equipment and constructive criticisms throughout this study. I sincerely thank Assist. Prof. Dr. John Paul Grieco, my co-advisor from the Uniformed Services University of Health Sciences, Bethesda, MD., USA for his valuable suggestion, kind support and english usage. I am deeply grateful Assist. Prof. Dr. Apichai Daorai and Assist. Prof. Dr. Lertlak Ngernsiri, my co-advisors, for their critical comments on this thesis improvement.

My sincere and special thank go to Drs. Suprada Sukonthabhirom Na Pattalung, Jinrapa Pothikasikoorn, Sungsit Sungvornyothin and Mr. Piti Mongkalangoon for their generous advices, useful knowledge and helpful. Also, sincere thanks go to Assoc. Prof. Atchariya Prabaripai and Mr. Pisit Poolprasert for their precious help in the data analysis. I would like to thank Ms. Monthathip Kongmee for her kind assistance in solving computer graphic and problems. My special thank goes to all staff of medical entomology laboratory, Department of Entomology, Faculty of Agriculture, Kasetsart University for the friendly help. I would like to thank to the Thailand Research Fund Organization, Kasetsart University Research and Development Institute, Thailand and the National Institute of Health, Bethesda, Maryland, United State of America for financial support. Special thanks go to the Armed Forced Development Command, Sai Yok District, Kanchanaburi Province, Thailand for permission to use the study area.

Finally, I am especially appreciated and sincere thank to my family for their continuing encouragements.

Suppaluck Polsomboon

January, 2008