

ACKNOWLEDGEMENT

I would like to express my sincere thanks to my advisor, Assistant Professor Dr. Nipon Ketjoy, Assistant Professor Dr. Sarayouth Vaivudh and Assistant Professor Dr. Prapita Thanarak for his invaluable help and constant encouragement throughout the course of this research. I am most grateful for their teaching and advice, not only the research methodologies but also many other methodologies in life. I would not have achieved this far and this thesis would not have been completed without all the support that I have always received from them.

In addition, I am grateful for the staff of SERT, and others person for suggestions and all their help. I most gratefully acknowledge my parents and my friends for all their support throughout the period of this research.

Finally, this thesis supported by Energy Conservation Promotion Fund by Energy Policy and Planning Office Ministry of Energy, Thailand (EPPO).

Yuttana Tongtuam