

## **ACKNOWLEDGMENTS**

I would sincerely like to acknowledge the efforts of many people who contributed to the research and to this thesis in particular. Without them, the work would never have been undertaken.

Technically, I am profoundly indebted to my thesis advisors Mrs. Surang Suthirawut, Mrs. Roongnapa Korpraditsakul and Mr. Chawalit Hongprayoon for their direction, suggestion and encouragement.

I am also indebted to all my fellow at Central Laboratory and Greenhouse complex, Kasetsart University (Kampangsaen campus) Nakhonpathom and Department of Microbiology, Kasetsart University (Bangkhan campus) Bangkok for supporting and cheering me all over 4 years.

Finally, my appreciation devotes to my father and mother who always give me heartfelt supports.

Supapan Mungmanakij

October 2006