

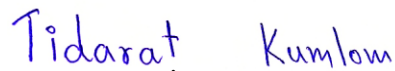
**ABANDONED AREA ASSESSMENT FOR ENVIRONMENTAL
MANAGEMENT IN PHUTTAMONTHON DISTRICT,
NAKHON PATHOM PROVINCE, THAILAND**

TIDARAT KUMLOM

**A THESIS SUBMITTED IN PARTIAL FULFILLMENT
OF THE REQUIREMENT FOR
THE DEGREE OF MASTER OF SCIENCE
(TECHNOLOGY OF ENVIRONMENTAL MANAGEMENT)
FACULTY OF GRADUATE STUDIES
MAHIDOL UNIVERSITY
2014**

COPYRIGHT OF MAHIDOL UNIVERSITY

Thesis
entitled
**ABANDONED AREA ASSESSMENT FOR ENVIRONMENTAL
MANAGEMENT IN PHUTTAMONTHON DISTRICT,
NAKHON PATHOM PROVINCE, THAILAND**



Miss Tidarat Kumlom
Candidate



Assoc. Prof. Sura Pattanakiat,
Ph.D. (Forestry)
Major advisor



Asst. Prof. Kanchana Nakhapakorn,
D. Tech. Sc. (Remote Sensing and GIS)
Co-advisor



Assoc. Prof. Sombat Thanawan,
Ph.D.,
Acting Dean
Faculty of Graduate Studies
Mahidol University



Lect. Ratchaphong Klinsrisuk,
Ph.D. (Urban Environmental
Management)
Program Director
Master of Science Program in
Technology of Environmental
Management
Faculty of Environment and Resource
Studies
Mahidol University

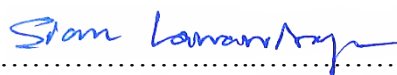
Thesis
entitled
**ABANDONED AREA ASSESSMENT FOR ENVIRONMENTAL
MANAGEMENT IN PHUTTAMONTHON DISTRICT,
NAKHON PATHOM PROVINCE, THAILAND**

was submitted to the Faculty of Graduate Studies, Mahidol University
for the degree of Master of Science (Technology of Environmental Management)

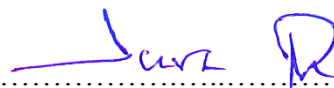
on
April 1, 2014



Miss Tidarat Kumlom
Candidate



Mr. Siam Lawawirojwong, Ph.D.
(Remote Sensing and GIS)
Chair



Assoc. Prof. Sura Pattanakiat,
Ph.D. (Forestry)
Member



Asst. Prof. Kanchana Nakhapakorn,
D. Tech. Sc. (Remote Sensing and GIS)
Member



Assoc. Prof. Sombat Thanawan,
Ph.D.,
Acting Dean
Faculty of Graduate Studies
Mahidol University



Assoc. Prof. Kampanad Bhaktikul,
Ph.D. (Civil and Environmental
Engineering)
Dean
Faculty of Environment and Resource
Studies
Mahidol University

ACKNOWLEDGEMENTS

For the achievement of my thesis, I would like to express my gratitude to these following persons:

To Associate Professor Dr. Sura Pattanakiat, my major-advisor. I would like to express my sincere gratitude and deep appreciation for his invaluable advice, encouragement throughout and giving me the chance to be your advisee. I am equally sincere to Assistant. Professor Dr. Kanchana Nakhapakorn, my co-advisor for her constructive comments, supervision, help in solving many problems and giving me the important chance to be more experienced. I also would like to appreciate Dr. Siam Lawawirojwong, my co-advisor for his guidance and kindness.

I really would like to thank Associate Professor Prasong Saguantam and Geo-Informatics and Space Technology Development Agency (Public Organization) for their assistance in satellite imagery, software, and solving technical problems.

This research work is supported by the grant from Nation Research Council of Thailand.

Deeply thankful to pWaan and pYak always support and advise me. and for their helpful and generous assistance as well as to all of my friends

Most of all, deeply appreciate to my beloved family, father and mother for infinite love, continuous inspiration, financial supporting, and giving the best opportunity to my life.

Tidarat Kumlom