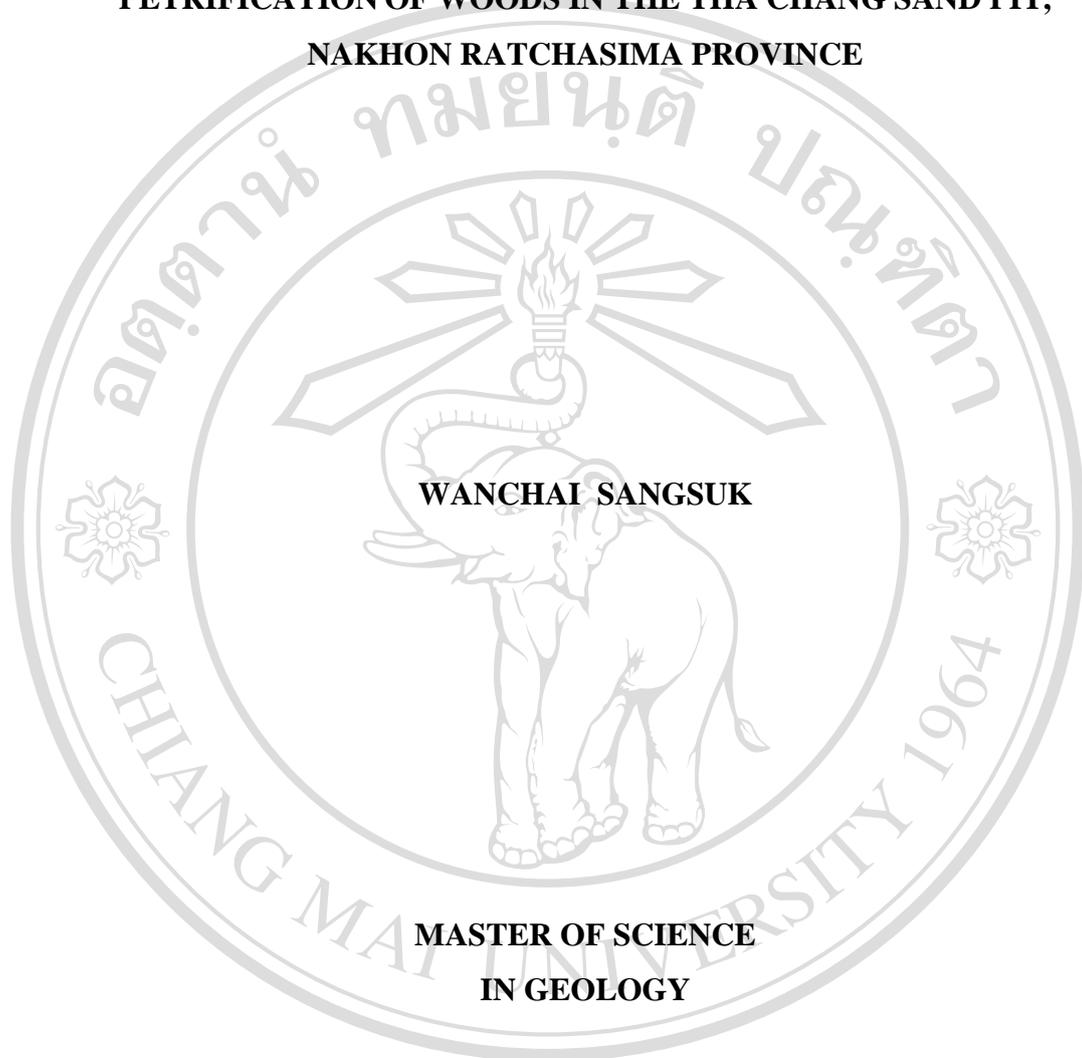


**PETRIFICATION OF WOODS IN THE THA CHANG SAND PIT,
NAKHON RATCHASIMA PROVINCE**



ลิขสิทธิ์มหาวิทยาลัยเชียงใหม่

Copyright© by Chiang Mai University

All rights reserved

THE GRADUATE SCHOOL

CHIANG MAI UNIVERSITY

JUNE 2008

**PETRIFICATION OF WOODS IN THE THA CHANG SAND PIT,
NAKHON RATCHASIMA PROVINCE**

WANCHAI SANGSUK

**A THESIS SUBMITTED TO THE GRADUATE SCHOOL IN
PARTIAL FULFILLMENT OF THE REQUIREMENTS
FOR THE DEGREE OF
MASTER OF SCIENCE
IN GEOLOGY**

ลิขสิทธิ์มหาวิทยาลัยเชียงใหม่

Copyright© by Chiang Mai University

All rights reserved

**THE GRADUATE SCHOOL
CHIANG MAI UNIVERSITY**

JUNE 2008

PETRIFICATION OF WOODS IN THE THA CHANG SAND PIT,
NAKHON RATCHASIMA PROVINCE

WANCHAI SANGSUK

THIS THESIS HAS BEEN APPROVED
TO BE A PARTIAL FULFILLMENT OF THE REQUIREMENTS
FOR THE DEGREE OF MASTER OF SCIENCE
IN GEOLOGY

EXAMINING COMMITTEE

Pramook Benyasuta
.....CHAIRPERSON
Dr. Pramook Benyasuta

Benjavun Ratanasthien
.....MEMBER
Assoc. Prof. Dr. Benjavun Ratanasthien

Wittaya Kandharosa
.....MEMBER
Dr. Wittaya Kandharosa

ลิขสิทธิ์ของมหาวิทยาลัยเชียงใหม่
Copyright © by Chiang Mai University
All rights reserved

3 June 2008

© Copyright by Chiang Mai University

ACKNOWLEDGEMENT

I would like to express my gratitude to the following people for their helpful during this work.

Assoc. Prof. Benjavun Ratanasthien, my supervisor, who advised, commented, and guided me during my field work and the writing of this thesis.

Thanks to my thesis committee, Dr. Pramook Benyasuta and Dr. Wittaya Kandharosa, for comments and approval of this thesis.

Special thanks to Mr. Mongkol Janyakoon, for specimens and samples in this study.

Thanks to Mr. Sidney Rieb for editing my English usage in this thesis.

Thanks to the Department of Geological Sciences, Chiang Mai University for providing facilities throughout this study.

Thanks to the Mahasarakham University for financial support for my studies.

Thanks to the Palaeontological Research and Education centre for financial support for my workshop on Denmark and France, the staff of Biology Department of Mahasarakham University for helpful me to analyzes specimens with SEM-EDX.

Thanks to Mr. Jaroon Duangkrayom, Ms. Yupa Thasod, Ms. Amaraluk Fupattanakamol, Ms. Rattanaporn Hunta, Ms. Kanyarat Khotchanin, and Ms. Nantharat Bunnag from Chiang Mai University, Ms. Nareerat Boonchai from Suranaree Technology University.

Thanks to Ms. Mayuree Promphutha, Mr. Chantip Pantusa and the staffs of the Geological Sciences, Chiang Mai University, and the Northeastern Research Institute of Petrified Wood and Mineral Resources of Nakhon Ratchasima Rajabhat University.

Most important to me during this thesis work was the strong encouragement given by my mother, and father.

Wanchai Sangsuk