

**PLANT SPECIES DIVERSITY, SOIL CHARACTERISTICS
AND CARBON STOCKS IN SUBTYPE COMMUNITIES
OF NATURAL PINE FOREST, KUNLAYA NI
WATTANA DISTRICT, CHIANG MAI
PROVINCE**

TRIN SERAMETHAKUN

**DOCTOR OF PHILOSOPHY
IN SOIL SCIENCE AND NATURAL
RESOURCES MANAGEMENT**

**THE GRADUATE SCHOOL
CHIANG MAI UNIVERSITY**

MARCH 2012

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**A THESIS SUBMITTED TO THE GRADUATE SCHOOL IN
PARTIAL FULFILLMENT OF THE REQUIREMENTS
FOR THE DEGREE OF
DOCTOR OF PHILOSOPHY
IN SOIL SCIENCE AND NATURAL RESOURCES MANAGEMENT**

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THIS THESIS HAS BEEN APPROVED
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EXAMINING COMMITTEE

Savit P. CHAIRPERSON
Assoc. Prof. Dr. Savent Pramprasit

Soontorn Khamyong MEMBER
Assoc. Prof. Dr. Soontorn Khamyong

NIWAT ANONGRAK MEMBER
Dr. Niwat Anongrak

K. Sri-ngernyuang MEMBER
Assoc. Prof. Dr. Kriangsak Sri-ngernyuang

Arawan Shutsrirung MEMBER
Lect. Dr. Arawan Shutsrirung

THESIS ADVISORY COMMITTEE

Soontorn Khamyong ADVISOR
Assoc. Prof. Dr. Soontorn Khamyong

NIWAT ANONGRAK CO-ADVISOR
Dr. Niwat Anongrak

K. Sri-ngernyuang CO-ADVISOR
Assoc. Prof. Dr. Kriangsak Sri-ngernyuang

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Trin Seramethakun