

**CARBON SINKS AND NUTRIENT ACCUMULATION
IN ECOSYSTEMS OF SERIES OF *Pinus kesiya*
PLANTATIONS AND FRAGMENTED FORESTS
IN BOAKAEW HIGHLAND WATERSHED,
CHIANG MAI PROVINCE**

SOMCHAI NONGNUANG

**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
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THIS THESIS HAS BEEN APPROVED
TO BE A PARTIAL FULFILLMENT OF THE REQUIREMENTS
FOR THE DEGREE OF DOCTOR OF PHILOSOPHY
IN SOIL SCIENCE AND NATURAL RESOURCES MANAGEMENT

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