

**RISK ASSESSMENT TO DEGRADATION OF MANDARIN CV.
SAI NAM PUENG ORCHARDS USING TOPOGRAPHICAL
AND SOIL PROPERTY UNDER MANAGEMENT
FACTORS: A CASE STUDY OF MAE SOON
SUB-DISTRICT, FANG DISTRICT,
CHIANG MAI PROVINCE**

VASSANA VIROONRAT

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

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**THE GRADUATE SCHOOL
CHIANG MAI UNIVERSITY
OCTOBER 2011**

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**A THESIS SUBMITTED TO THE GRADUATE SCHOOL IN
PARTIAL FULFILLMENT OF THE REQUIREMENTS
FOR THE DEGREE OF
DOCTOR OF PHILOSOPHY
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TO BE A PARTIAL FULFILLMENT OF THE REQUIREMENTS
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