

**OPTIMAL RESOURCE MANAGEMENT WITH
MULTIPLE GOALS OF CITRUS-BASED
FARMING SYSTEMS AT FARM
AND WATERSHED LEVELS,
CHIANG MAI PROVINCE**

PANITPIM SITTISAK

**DOCTOR OF PHILOSOPHY
IN AGRICULTURAL SYSTEMS**

**GRADUATE SCHOOL
CHIANG MAI UNIVERSITY
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**A THESIS SUBMITTED TO CHIANG MAI UNIVERSITY IN PARTIAL
FULFILLMENT OF THE REQUIREMENTS FOR THE DEGREE OF
DOCTOR OF PHILOSOPHY
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THE THESIS HAS BEEN APPROVED TO BE A PARTIAL FULFILLMENT OF
THE REQUIREMENTS FOR THE DEGREE OF
DOCTOR OF PHILOSOPHY
IN AGRICULTURAL SYSTEMS

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