

**GEOGRAPHIC DISTRIBUTION OF TREMATODES, *Haplorchis taichui* AND
H. pumilio IN INTERMEDIATE HOST SNAIL FROM NORTHERN
THAILAND AND DEVELOPMENT OF SPECIFIC PRIMERS
FOR CYTOCHROME C OXIDASE GENE**

THAPANA CHONTANANARTH

**DORTOR OF PHILOSOPHY
IN BIODIVERSITY AND ETHNOBIOLOGY**

**THE GRADUATE SCHOOL
CHIANG MAI UNIVERSITY**

APRIL 2013

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**A THESIS SUBMITTED TO THE GRADATE 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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