

**DEVELOPMENT OF NATURAL PLANT  
PRODUCTS AS AN ALTERNATIVE  
MOSQUITO REPELLENT**

**DANITA CHAMPAKAEW**

**DOCTOR OF PHILOSOPHY  
IN PARASITOLOGY**

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**GRADUATE SCHOOL  
CHIANG MAI UNIVERSITY  
FEBRUARY 2017**

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**DANITA CHAMPAKAEW**

**A THESIS SUBMITTED TO CHIANG MAI UNIVERSITY IN PARTIAL  
FULFILLMENT OF THE REQUIREMENTS FOR THE DEGREE OF  
DOCTOR OF PHILOSOPHY  
IN PARASITOLOGY**

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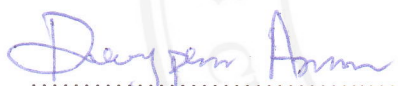
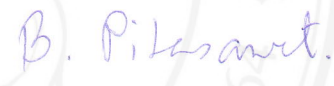
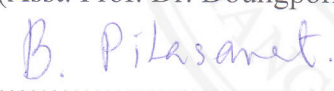

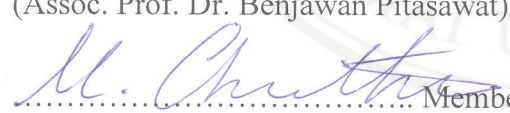
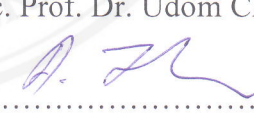
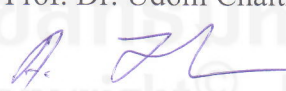
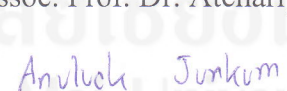
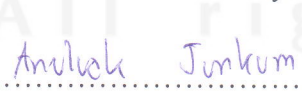
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THIS THESIS HAS BEEN APPROVED TO BE A PARTIAL FULFILLMENT OF  
THE REQUIREMENTS FOR THE DEGREE OF  
DOCTOR OF PHILOSOPHY  
IN PARASITOLOGY

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|  |   |
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