

**EVALUATION OF ANTIMALARIAL DRUG  
SENSITIVITY AND IDENTIFICATION OF  
DRUG RESISTANCE GENES IN *Plasmodium  
falciparum* FROM MALARIA PATIENTS  
IN MAE-SARIANG DISTRICT AREA,  
MAE HONG SON PROVINCE**

**PATCHARAPORN SAENGRATWATCHARA**

**ลิขสิทธิ์** **MASTER OF SCIENCE** **เชียงใหม่**  
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**GRADUATE SCHOOL  
CHIANG MAI UNIVERSITY  
APRIL 2015**

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**PATCHARAPORN SAENGRATWATCHARA**

**A THESIS SUBMITTED TO CHIANG MAI UNIVERSITY IN PARTIAL  
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THIS THESIS HAS BEEN APPROVED TO BE A PARTIAL FULFILLMENT OF  
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