

**POLYMERASE CHAIN REACTION TECHNIQUE FOR  
DIAGNOSIS OF HOMOZYGOUS  $\alpha$ -THALASSEMIA  
IN PREIMPLANTATION EMBRYO**

**NONGLAK PHUMYU**

**A THESIS SUBMITTED TO THE GRADUATE SCHOOL IN  
PARTIAL FULFILLMENT OF THE REQUIREMENTS  
FOR THE DEGREE OF  
MASTER OF SCIENCE  
IN BIOLOGY**

**GRADUATE SCHOOL  
CHIANG MAI UNIVERSITY**

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THE THESIS HAS BEEN APPROVED  
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