

**APPLICATION OF MULTIPLE SELF-ORGANIZING MAPS  
FOR CLASSIFICATION OF SOIL SAMPLES FROM THE  
NORTH AND NORTHEAST OF THAILAND BASED ON  
THEIR PHYSICAL AND CHEMICAL PROPERTIES**



**CHANIDA KRONGCHAI**

**MASTER OF SCIENCE**

**IN CHEMISTRY**

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**GRADUATED SCHOOL  
CHIANG MAI UNIVERSITY**

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**CHANIDA KRONGCHAI**

**A THESIS SUBMITTED TO CHIANG MAI UNIVERSITY IN PARTIAL  
FULFILLMENT OF THE REQUIREMENTS FOR THE DEGREE OF  
MASTER OF SCIENCE  
IN CHEMISTRY**

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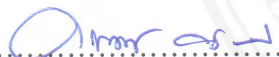
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THIS THESIS HAS BEEN APPROVED TO BE A PARTIAL FULFILLMENT OF  
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