

**PREPARATION OF ADSORBENT MATERIAL FROM MIXTURE  
OF BOTTOM ASH AND FGD GYPSUM  
FOR DYE ADSORPTION**

**WARAPORN SITTINANG**

**MASTER DEGREE  
IN CHEMISTRY**

**THE GRADUATE SCHOOL**

**CHIANG MAI UNIVERSITY**

**FEBRUARY 2011**

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**A THESIS SUBMITTED TO THE GRADUATE SCHOOL IN  
PARTIAL FULFILLMENT OF THE REQUIREMENTS  
FOR THE DEGREE OF  
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THIS THESIS HAS BEEN APPROVED  
TO BE A PARTIAL FULFILLMENT OF THE REQUIREMENTS  
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