

**SELECTIVITY OF ELECTROCOAGULATION PROCESS AND  
RECOVERY OF COAGULATED COMPOUNDS WITH  
APPLICATION TO ISOLATION OF COLOURING  
MATTERS FROM TREE BARKS**

**SOMBAT CHOWWANAPHOONPOHN**



**A THESIS SUBMITTED TO THE GRADUATE SCHOOL IN  
PARTIAL FULFILLMENT OF THE REQUIREMENTS  
FOR THE DEGREE OF  
DOCTOR OF PHILOSOPHY  
IN CHEMISTRY**

**GRADUATE SCHOOL  
CHIANG MAI UNIVERSITY**

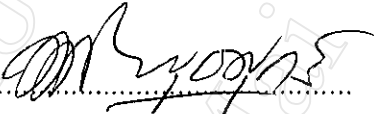
**APRIL 2003**

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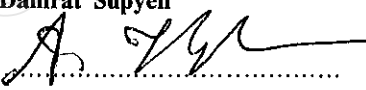
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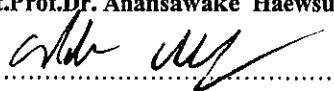
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Sombat Chowwanapoonpohn