

**DEVELOPMENT OF FLOW INJECTION ANALYSIS METHODS  
FOR THE DETERMINATION OF SOME PHYTOCHEMICAL  
COMPOUNDS FROM THAI MEDICINAL  
PLANTS AND DRUG RESIDUE**

**WISANU THONGCHAI**

**DOCTOR OF PHILOSOPHY  
IN PHARMACY**

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**THE GRADUATE SCHOOL  
CHIANG MAI UNIVERSITY**

**MAY 2010**

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**WISANU THONGCHAI**

**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  
FOR THE DEGREE OF DOCTOR OF PHILOSOPHY  
IN PHARMACY

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