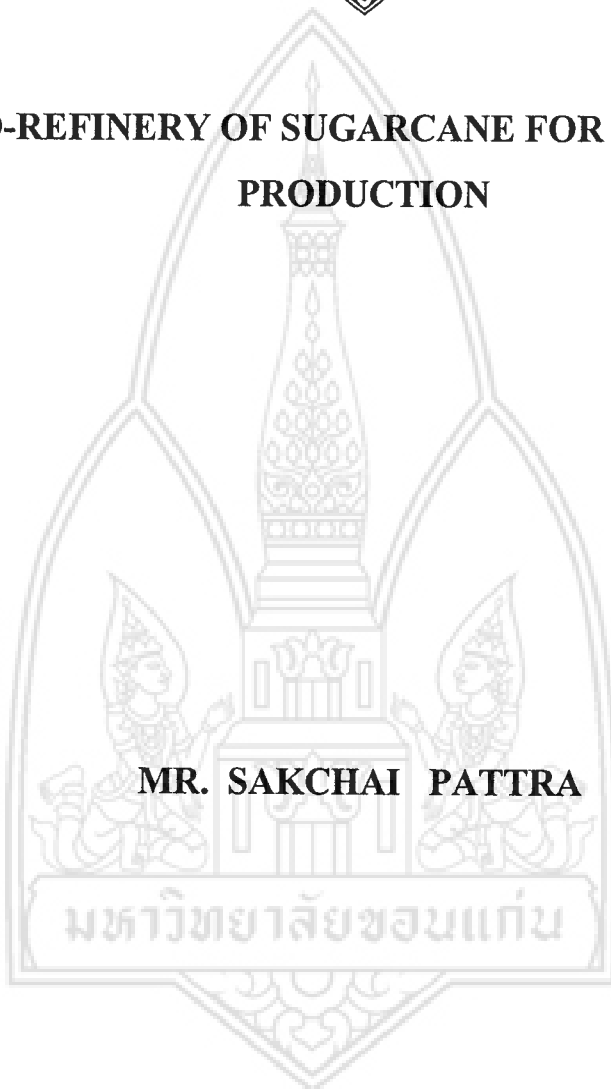


**BIO-REFINERY OF SUGARCANE FOR BIO-FUEL  
PRODUCTION**

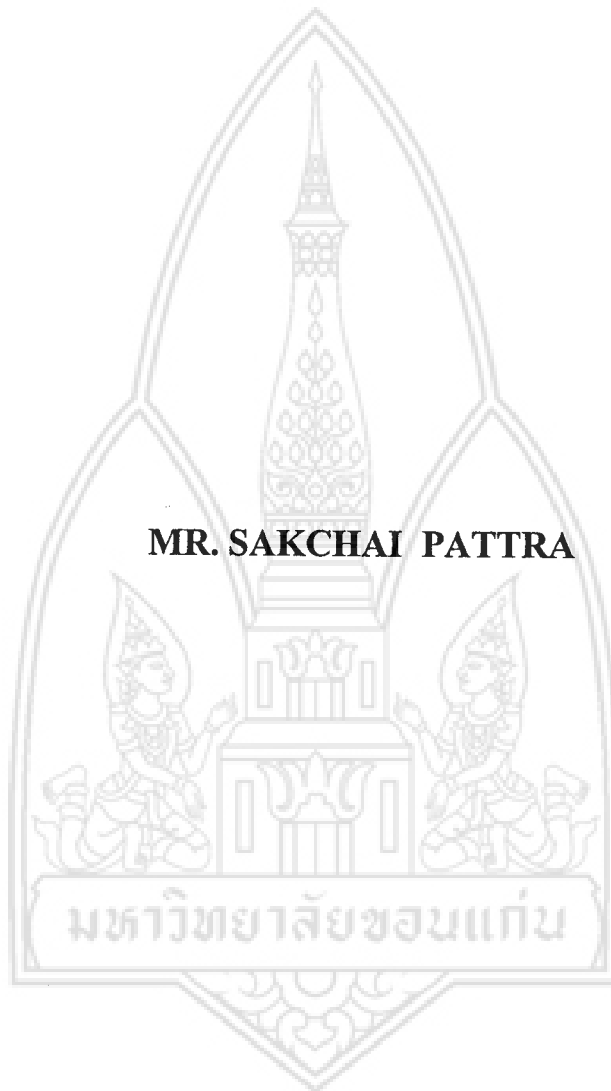


**MR. SAKCHAI PATTRA**

**A THESIS FOR THE DEGREE OF DOCTOR OF PHILOSOPHY  
KHON KAEN UNIVERSITY**

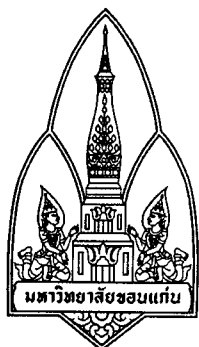
**2009**

**BIO-REFINERY OF SUGARCANE FOR BIO-FUEL  
PRODUCTION**



**MR. SAKCHAI PATTRA**

**A THESIS SUBMITTED IN PARTIAL FULFILLMENT OF THE REQUIREMENTS  
FOR THE DEGREE OF DOCTOR OF PHILOSOPHY  
IN BIOTECHNOLOGY  
GRADUATE SCHOOL KHON KAEN UNIVERSITY  
2009**



**THESIS APPROVAL**  
**KHON KAEN UNIVERSITY**  
**FOR**  
**DOCTOR OF PHILOSOPHY**  
**IN BIOTECHNOLOGY**


**Thesis Title:** Bio-refinery of Sugarcane for Bio-fuel Production

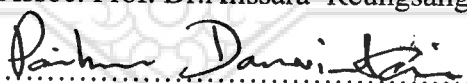
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