

**CARBON AND WATER FOOTPRINTS EVALUATION OF BIOETHANOL
FROM SUGARCANE AND CASSAVA**

RATCHAYUDA KONGBOON

**DOCTOR OF ENGINEERING
IN ENERGY ENGINEERING**

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**THE GRADUATE SCHOOL
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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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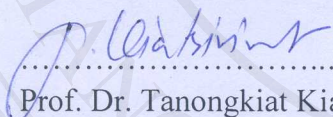
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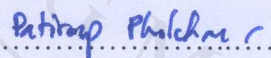
RATCHAYUDA KONGBOON


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TO BE A PARTIAL FULFILLMENT OF THE REQUIREMENTS
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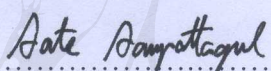

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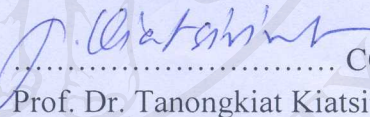

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Ratchayuda Kongboon