

**DESIGN AND ANALYSIS OF GAS FLOW FIELD FOR
PROTON EXCHANGE MEMBRANE FUEL CELL**

NATTAWUT JARUWASUPANT

**DOCTOR OF ENGINEERING
IN ENERGY ENGINEERING**

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PROTON EXCHANGE MEMBRANE FUEL CELL**

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

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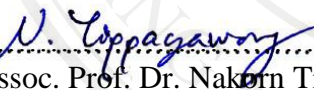
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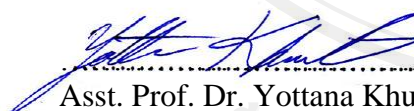
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THIS THESIS HAS BEEN APPROVED
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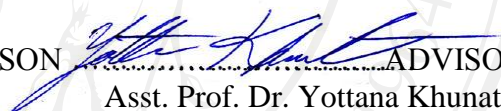

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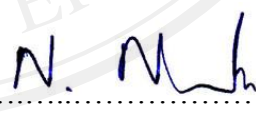

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Nattawut Jaruwasupant