

**DELIGNIFICATION OF BANA GRASS USING
ALKALINE AND OZONE**

WG.CDR. JURARUT MINMUNIN

**DOCTOR OF PHILOSOPHY
IN ENERGY ENGINEERING**

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**GRADUATE SCHOOL
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MAY 2016**

**DELIGNIFICATION OF BANA GRASS USING
ALKALINE AND OZONE**

WG.CDR. JURARUT MINMUNIN

**A THESIS SUBMITTED TO CHIANG MAI UNIVERSITY IN PARTIAL
FULFILLMENT OF THE REQUIREMENTS FOR THE DEGREE OF
DOCTOR OF PHILOSOPHY
IN ENERGY ENGINEERING**

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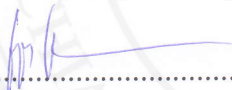
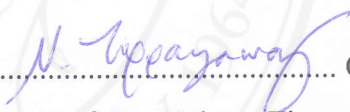
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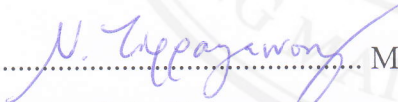

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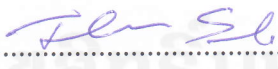
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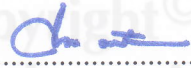
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17 May 2016

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To
My family, my teacher and my benefactor.



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