

**USING JIGSAW READING AND SEMANTIC MAPPING ACTIVITIES TO
DEVELOP ENGLISH READING AND WRITING ABILITIES AMONG
MATHAYOM SUKSA 4 STUDENTS**

JING ZHU

MASTER OF EDUCATION

**IN CURRICULUM, TEACHING AND LEARNING TECHNOLOGY
(TEACHING ENGLISH)**

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**GRADUATE SCHOOL
CHIANG MAI UNIVERSITY**

MAY 2016

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**A THESIS SUBMITTED TO CHIANG MAI UNIVERSITY IN PARTIAL FULFILLMENT OF
THE REQUIREMENTS FOR THE DEGREE OF
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Examination Committee:

Wilaiporn Tanasuwan
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(Assoc. Prof. Wilaiporn Tanasuwan)

N. Adipattan
.....Member
(Assoc. Prof. Dr. Nitida Adipattaranan)

Nanthiya Saengsin
.....Member
(Assoc. Prof. Nanthiya Saengsin)

Advisory Committee:

N. Adipattan
.....Advisor
(Assoc. Prof. Dr. Nitida Adipattaranan)

Nanthiya Saengsin
.....Co-advisor
(Assoc. Prof. Nanthiya Saengsin)

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