# DEVELOPMENT OF CONTROLLED-RELEASE MICROCAPSULES OF WHITE CHAMPACA FLAVOR AND ITS APPLICATION IN THAI DESSERT MODEL

RAJNIBHAS SUKEAW SAMAKRADHAMRONGTHAI

### DOCTOR OF PHILOSOPHY IN AGRO-INDUSTRIAL PRODUCT DEVELOPMENT

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GRADUATE SCHOOL
CHIANG MAI UNIVERSITY
DECEMBER 2015

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RAJNIBHAS SUKEAW SAMAKRADHAMRONGTHAI

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

IN AGRO-INDUSTRIAL PRODUCT DEVELOPMENT

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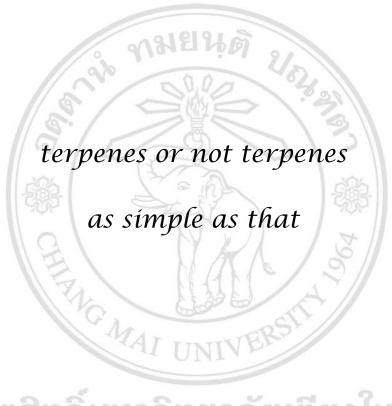
#### RAJNIBHAS SUKEAW SAMAKRADHAMRONGTHAI

THIS THESIS HAS BEEN APPROVED TO BE A PARTIAL FULFILLMENT OF
THE REQUIREMENTS FOR THE DEGREE OF
DOCTOR OF PHILOSOPHY
IN AGRO-INDUSTRIAL PRODUCT DEVELOPMENT

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Rajnibhas Sukeaw Samakradhamrongthai