OPTIMIZATION OF MICROALGAL CULTIVATION FOR ALTERNATIVE ENERGY PRODUCTION

KRONGKAN JANTA

DOCTOR OF PHILOSOPHY
IN APPLIED MICROBIOLOGY

THE GRADUATE SCHOOL
CHIANG MAI UNIVERSITY
JANUARY 2014

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A THESIS SUBMITTED TO THE GRADUATE SCHOOL IN PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR THE DEGREE OF DOCTOR OF PHILOSOPHY IN APPLIED MICROBIOLOGY

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THIS THESIS HAS BEEN APPROVED TO BE A PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR THE DEGREE OF DOCTOR OF PHILOSOPHY IN APPLIED MICROBIOLOGY

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