



THESIS APPROVAL
GRADUATE SCHOOL, KASETSART UNIVERSITY

Doctor of Philosophy (Biotechnology)

DEGREE

Biotechnology

FIELD

Biotechnology

DEPARTMENT

TITLE: Characterization of Mannanase from Effective Bacterial Strains and Their
Application for Prebiotic Production

NAME: Miss Sudathip Titapoka

THIS THESIS HAS BEEN ACCEPTED BY

Sunee Nitisinprasert

THESIS ADVISOR

(Associate Professor Sunee Nitisinprasert, D.Sc.)

S. Keawsompong

COMMITTEE MEMBER

(Assistant Professor Suttipun Keawsompong, Ph.D.)

Arunee Engkagul

COMMITTEE MEMBER

(Assistant Professor Arunee Engkagul, Ph.D.)

Sunee Nitisinprasert

DEPARTMENT HEAD

(Associate Professor Sunee Nitisinprasert, D.Sc.)

APPROVED BY THE GRADUATE SCHOOL ON 26 November 2007

Vinai Artkongharn

DEAN

(Associate Professor Vinai Artkongharn, M.A.)