



THESIS APPROVAL
GRADUATE SCHOOL, KASETSART UNIVERSITY

Master of Science (Chemistry)

DEGREE

Physical Chemistry

FIELD

Chemistry

DEPARTMENT

TITLE: The Partial Oxidation of Unsaturated Hydrocarbons with H₂O₂ over TS-1
Investigated by ONIOM Method: Formation of Active Site and Reaction
Mechanism

NAME: Mr. Weerayuth Panyaburapa

THIS THESIS HAS BEEN ACCEPTED BY

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