



**THESIS APPROVAL**  
**GRADUATE SCHOOL, KASETSART UNIVERSITY**

\_\_\_\_\_  
Doctor of Philosophy (Physical Chemistry)

**DEGREE**

\_\_\_\_\_  
Physical Chemistry

**FIELD**

\_\_\_\_\_  
Chemistry

**DEPARTMENT**

**TITLE:**     Molecular Dynamics and Combined QM/MM Modelling of HIV-1 RT  
                 Active Site: Discriminating between Alternative Mechanisms in  
                 DNA Polymerization

**NAME:**     Miss Thanyada Rungrotmongkol

**THIS THESIS HAS BEEN ACCEPTED BY**

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