



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

\_\_\_\_\_  
Doctor of Philosophy (Science Education)

**DEGREE**

\_\_\_\_\_  
Science Education

\_\_\_\_\_  
Education

**FIELD**

**DEPARTMENT**

**TITLE:** Teaching and Learning About Matter in Grade 6 Classrooms:  
A Conceptual Change Approach

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