

## ABSTRACT

Thesis Title : A Comparison of Learning Achievement and  
Attitudes Towards Mathematics of Prathomsuksa 3  
Students Studying Through Logo Computer Program  
and Traditional Method

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Degree Sought : Master of Education

Major : Curriculum and Instruction

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Advisory Committee :

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The purpose of the study was to compare learning achievement and attitudes towards mathematics of Prathomsuksa 3 students studying through Logo computer program and traditional method.

The instruments used in this research were constructed by the researcher. They were 1) Logo computer program; 2) lesson plans for to lesson through the Logo computer program and through the traditional method; 3) the mathematics achievement test which had a reliability of 0.63 and 4) the attitude scale which had a reliability of 0.71.

The samples were two classes of Prathomsaks 3 students enrolling in the first semester of 1997 academic year. Each class comprised 50 students with comparable level of achievement in mathematics from the past semester. One group was randomly selected as the controlled group, studying through the traditional method and the remaining group

as the experimental group, studying through the Logo computer program. This research employed the non equivalent groups pretest-posttest design in which both groups were tested prior to experiment, underwent two weeks, 24 periods, of studying through respective methods, and took a posttest and complete an attitude scale. Data were analyzed for means and standard deviations. Testing of the hypothesis was done using t-test.

Findings revealed that both groups achievement in and attitudes toward mathematics were not statistically significantly different.