

Thesis Title A Comparison of Adult's Learning Achievement on Mathematics topic "Area" Learned from Learning Module and Traditional Teaching Approach.

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ABSTRACT

The purposes of this study are: 1) to develop a self-learning module on "Area" for lower secondary education adult students. 2) to compare the academic achievement of adult students who studied mathematics through the self-learning module and the traditional teaching approach. 3) to study the opinions of adult students and group facilitators on the using of self-learning modules.

The subjects were 50 lower Secondary Education students who registered mathematics course in the 1st semester, 1996 at Samutsakorn Non-Formal Education Center. Twenty-five students were assigned to study through a learning module while the others were assigned to learn from the conventional teaching approach.

Three research tools consisted of 1) the researcher's constructed self-learning module, 2) the achievement test with the reliabilities of 0.85, and 3) the Non-Formal Education textbook on "Area" for the controlled group. The achievement scores were analyzed by using pescentile, mean, standard deviation and t-test.

Results of the study are as follows : 1) the researcher's constructed self-learning module meets the standard as stipulated. 2) the achievement of students who used self-learning modules is significantly higher than that of students who underwent the traditional teaching approach at the level of .05 , and 3) most adult students indicated that the self-learning module is suitable for adult students at moderate level.