

## ABSTRACT

Thesis Title : A Comparative Study of the Matayomsuksa 1 Students' Achievement in Science by Using Computer Assisted Instruction with Underlines Letter Cueing and Animated Cartoons Cueing

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This research has been conducted by using Randomized Control Group Pretest-Posttest Design. The objectives of experiment were to create the lesson by the computer-assisted instruction, science in case life for water, for the Matayomsuksa 1 students and to study the achievement of two groups of students, which studied from the computer-assisted instruction with underlines letter cueing and animated cartoons cueing.

The sample selected for the study was 40 Matayomsuksa 1 students of Bodindecha School, which were currently enrolled in the first semester/year 2000. The samples were divided into experiment group and control group, which had 20 students each. The computer-assisted instruction with animated cartoons cueing was applied to the experiment group while the computer-assisted instruction with underlines letter cueing was applied to the control group.

The instruments used in this research were : 1) computer-assisted instruction with two kinds of cueing. 2) The test used to determine the students' learning achievement with had reliability level of 0.74. The experiment group and control group were tested by the pretest before their using of computer-assisted instruction lesson. After the pretest, the experiment group studied by using the computer-assisted instruction with animated cartoons cueing and the control group studied by using the computer-assisted instruction with underlines letter cueing. After finished the lesson, both groups administerd by the posttest to determine their achievement with the computer-assisted instruction for further study.

The finding of this research indicated that : there were no significant difference between the student learning achievement on the computer-assisted instruction in with animated cartoon cueing and the students' learning achievement on computer-assisted instruction with underlines letter cueing at the level of .05.