

Suntaree Wiset 2006: The Learning Achievement and Retention from Computer-assisted Instruction of Mathayomsuksa 3 Students, Thai Charoen Wittaya School under the Office of Buriram Education Service Area 3. Master of Education (Educational Technology), Major Field: Educational Technology, Department of Educational Technology. Thesis Advisor: Associate Professor Surachai Prasertsaruay, M.Ed. 129 pages. ISBN 974-16-2127-2

The purposes of this research were 1) to construct computer-assisted instruction on the topic of Present Perfect Simple Tense based on the efficiency 80/80 criteria, 2) to compare the pre-test and post-test scores from computer-assisted instruction, and 3) to study the students' retention.

The sampling group was 30 students of mathayomsuksa 3 from Thai Charoen Wittaya School under the Office of Buriram Education Service Area 3 in the 2005 academic year. They were selected by systematic random sampling.

The instruments used for the research were 1) computer-assisted instruction on the topic Present Perfect Simple Tense, 2) the achievement test, and 3) the retention test. The data were analyzed by mean, standard deviation and match-paired t-test.

The results of the study indicated that 1) computer-assisted instruction had the efficiency at 82.57/81.00 which met the 80/80 criteria, 2) the testing scores after learning from computer-assisted instruction were higher than the testing scores before learning at the significance level of .01, and 3) the retention after learning from computer-assisted instruction was not significantly different.

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Thesis Advisor's signature

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