



**TITLE** The Development of Computer –Assisted Instruction Program of  
“Computer System” for Prathomsuksa 6 Students

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### **ABSTRACT**

The purposes of this research were to 1)develop the computer-assisted instruction program on the topic of “Computer System” based on the assigned criteria of the efficiency 80/80, 2) evaluate the computer-assisted instruction program 3) compare the pre-test scores to the post-test scores of the achievement of the students who studied with the developed computer-assisted instruction program , 4) study index of effective for Computer-Assisted Instruction program, 5) survey the satisfaction of the students with the developed instruction program, and 6) study the retention of the students after studying with the developed instruction program.

The sample subjects were 23 grade 6 students who studied “Computer System” in 2/2008 at Nonghai School under the office of Mahasarakham Educational Service Area 2. The research was a pretest-posttest control group design. The research instruments were a computer-assisted instruction program, an achievement test, a self-assessment form of the satisfaction, and an assessment form of the computer-assisted instruction program. The research statistics used were percentage, mean, standard deviation and t-test (Dependent Sample)

Results of the research were as follows :

1. The average degree of the program determined by E1/E2 was higher than the assigned criteria of the efficiency 80/80.

2. The average opinion of the experts on the computer-assisted instruction was

very high.

3. The academic achievement was significantly higher than before learning at the .05 level

4. The effectiveness index of lesson was 0.69

5. The students' overall satisfaction with the learning was in the very high level.

6. The learning retention of the students were in the assigned criteria.



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