



**TITLE** The Development of Computer-Assisted Instruction on the Topic of  
“Composition of Art” for Mathayomsuksa 4

**AUTHOR** Prasat Singthana      **DEGREE** M.Ed. (Computer of Education)

**ADVISOR** Assoc.Prof. Dr. Pisutha Areerart

**RAJABHATMAHASARAKHAM UNIVERSITY, 2009**

### **ABSTRACT**

The purposes of this study were : to develop computer – assisted instruction base on the value of the efficiency (80/80), to evaluate the developed computer - assisted instruction lesson, to compare the academic achievement before and after the learning , to study the effectiveness index learning, to access the students’ satisfaction and to study the learning retention of the students who learned with the computer - assisted instruction lesson. The samples were 50 Mathayom Suksa 4 students at Wapipathum School, Wapipathum, Mahasarakham. The research instruments were : a computer-assisted instruction lesson, an achievement test, an evaluation form of the lesson and assessment form of the satisfaction with the learning. The research statistics used were : mean, standard deviation, percentage and t-test (Dependent Sample)

Results of this study were as follows:

1. The efficiency of the computer-assisted instruction lesson was in the assigned criteria.
2. The developed computer-assisted instruction lesson was very high.
3. The academic achievement was significantly higher than before learning.
4. The effectiveness index of the computer-assisted instruction lesson was at 70.32 percent.
5. The students’ overall satisfaction with the learning was in the high level.
6. Seven days and thirty days after the learning, the students were in the assigned criteria.