

5. ความพึงพอใจของนักเรียนที่มีต่อบทเรียนอยู่ในระดับมากที่สุด

($\bar{X} = 4.83$, S.D. = 0.37)

6. นักเรียนมีความคงทนการเรียนรู้ในเกณฑ์ หลังจากเวลาผ่านไป 7 วัน

และ 30 วัน



มหาวิทยาลัยราชภัฏมหาสารคาม
RAJABHAT MAHASARAKHAM UNIVERSITY

Title : The Development of Computer Assisted Instruction to Adverb Thai language unit
for Mutthayomsuksa 1

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ABSTRACT

The purposes of this research were to 1) development Computer Assistant Instruction with the efficiency value of 80/80, 2) evaluate the quality of the CAI, 3) compare the achievement through the CAI after and before learning, 4) study the effectiveness index learning and 5) study the students' satisfaction with learning by using the CAI. The samples were 13 Mathayomsuksa 1 students, selected through simple random sampling, at Pongchauksuksasatan School. The instruments used were The Development Computer assistant instruction ,an achievement test, an instruction evaluation form, and a questionnaire on students satisfaction. The statistics used for analyzing data were percentage, mean, standard deviation, and *t*-test (dependent).

The results of the research were as follows.

1. The efficiency of the CAI was 87.24/83.10 which was higher than the assigned criteria.
2. The experts opined the quality of CAI at a high level ($\bar{X} = 4.67$, S.D.= 0.47).
3. The learning achievement after using the CAI was significantly different at .05 level.
4. The effectiveness index of the CAI was 0.7333.
5. The students showed their satisfaction at a high level ($\bar{X} = 4.83$, S.D. = 0.37).
6. Study the retention of the students after studying with the developed instruction program.