

| | |
|--------------------------|---|
| Thesis Title | Computer Assisted Instruction on Introduction to Malai Flower Works |
| Student | Mrs. Jariya Potisarn |
| Student ID. | 40064420 |
| Degree | Master of Industrial Education |
| Programme | Educational Technology in Vocational and Technical Education |
| Year | 2000 |
| Thesis Advisor | Ovat Poolsiri |
| Thesis Co-Advisor | Associate Professor Dr. Supit Karnjanapun |

ABSTRACT

The purposes of this study were to construct the computer assisted instruction lesson on Introduction to Malai Flower Works for the year 1995 vocational certificate curriculum according to Alessi and Trollip's tutorial design model.

The samples of this study were the first year vocational certificate students of Home Economic Division at Udonthani Vocational College, Udonthani. The samples group consists of thirty students in the first semester of the 1999 academic year. The tutorial computer assisted instruction programme consisted of 374 frames and written in a Branching Style.

The result of this study was that computer assisted instruction programme has efficiency on criteria 89.83/87.83, the effectiveness index was 0.82 which was higher than designed criteria of 80/80. Learning achievement at the posttest was significantly higher than that of pretest at the 0.05 level.

Specialist opinions toward the Computer Assisted Instruction revealed 4.82 of arithmetic mean and 0.32 standard deviation. The satisfactory assessment result of the students was that 4.52 per cent expressed that CAI can help the students implement their aims on a high level and 95.48 per cent expressed that the computer assisted instruction programme was very valuable for learning.