

INDEPENDENT STUDY TITLE : THE CONSTRUCTION OF A COMPUTER-ASSISTED  
INSTRUCTION IN INTRODUCTION TO COMPUTER  
ON BASIC COMMAND FOR DOSS PROGRAMME  
FOR UPPER SECONDARY SCHOOL STUDENTS

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#### ABSTRACT

This independent study aimed to develop a computer-assisted instruction in an Introduction to Computer on Basic Command for Doss Programme for Upper Secondary School Students. A two-stage sampling technique was utilized to select the study sample from three groups of Matthayoms Suksa IV students in the second semester of the academic year 1996. One hundred and eight students were selected and divided according to their levels of learning chievement. The first group was for those who had an average GPA between 3.00-4.00, the second group for those with GPA between 2.00-2.99, and the last group for those with GPA lower than 2.00-2.99 respectively. Then 14 students

were selected from each level by random sampling. The total of 42 students were included in this study.

The tool was developed by the researcher, consisted of two main parts; the learning proficiency test with difficulty index between .23-.80 and discriminative power between .21-.75 and .81 reliability; and the computer-assisted instruction which stated the program efficiency levels of  $E_1 / E_2$  at 80/80

The result of this indicated were as follows :

1. The program efficiency of small group testing was 82.22/80.88
2. The program efficiency of field testing was 88.00/82.66

It could be implied from the study that the program efficiency of this computer-assisted instruction was not below the standard set.