Thesis Title	Computer Assisted Instruction : Rose Planting
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ABSTRACT

The purposes of this thesis were to create a software program under the title "Rose Planting" and to find the result of learning achievement from such program.

The procedures were done through several steps. First, the content of the software program was written by the researcher herself, then analyzed by an expert. It was shown that the content was complete, interesty and easy to read. It covered and confirmed to the purposes of the curriculum. After that, the questions for the contents of the three units were constructed, then analyzed for reliability, difficulty and discrimination. The results which were 0.63, 0.50-0.92 and 0.20-0.86 for the reliability, difficulty and discrimination, respectively showed that the tests were satisfactory and could be used. Later, the both the content and the questions were programed under authoring program, Authorware Profession for Windows Version 2.0. Then the quality structure of the program such as font size, font color, foreground and background colors, duration for learning, pictures and sound was proved by critics, and improved by the researcher. The program under such procedure consisted of 3 units: popular rose varieties, rose planting and rose caring. Each unit was composed of the questions.

The result of learning achievement was analyzed by using t-test to compare between pre-test and post-test score of students, who had never studied the subject connecting with rose before. It showed that the post-test scores of all of unit content were

connecting with rose before. It showed that the post-test scores of all of unit content were significantly higher than those of pre-test ($p < 0.05$). Furthermore, it was suggested by the students that they liked to study under this computer program and recommended that more agricultural computer programs should be created additionally.