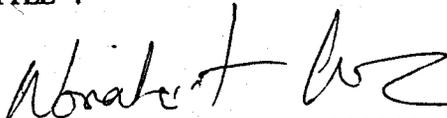


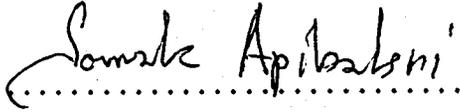
THESIS TITLE : A COMPARISON OF LEARNING ACHIEVEMENT IN EDUCATIONAL
TECHNOLOGY ON THE TOPIC OF PROJECTION SYSTEM AND
PROJECTORS OF UNDERGRADUATE STUDENTS USING THE
INSTRUCTIONAL PACKAGE AND THE CONVENTIONAL INSTRUCTION

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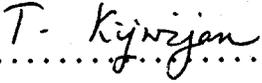
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Abstract

The purposes of this research were 1) to produce an instructional package with the efficiency ratio of 90/90 and the effectiveness index of more than .50 2) to compare the achievement of the third year teacher training students of bachelor's degree on the topic "Projection System and Projectors" using the instructional package and the conventional instruction.

The sample of 64 students from Rajabhat Institute Nakhon Ratchasima was selected by the purposive sampling technique.

The instrument developed by the researcher was the instructional package with the efficiency of 89.35/88.50 and the effectiveness index of 0.79. The achievement test constructed with the difficulty level ranged from 0.23 to 0.80; the discrimination power ranged from 0.22 to 0.50 and the reliability was 0.78.

The data was analyzed by the t-test.

The result of the study indicated that the learning achievement of the students using the instructional package was better than that of the students using the conventional instruction at 0.01 level of statistical significance.