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Thesis Title : A Comparative Study of Learning
Achievement and Preference between
Synchronized Slide-tape and Synchronized
Picture Book-tape Programs

Concentration : Technical Education Technology

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Abstract

This experimental study of learning achievement and preference was conducted to make a comparison between synchronized slide-tape and synchronized picture book-tape programs. The programs were developed by the researcher. The study focused on the development of teaching aids in which the cassette tape was synchronized with pictures in a book in the similar way with slides loaded in a slide projector. The subjects were 50 randomly-selected from junior-high-school adult learners of the Non-formal Education Center in Chonburi. They were randomly assigned into two equal groups. The lesson used for the experiment was on the World of Occupations entitled "Possible Means to Self-employed Jobs". It was enlisted as a lesson for non-formal education centers at the junior-high-school level. After

both teaching aids had been administered, the achievement test and preference response forms were carried out.

Analysis of covariance (ANCOVA) and Z-test statistics were used to compute the significant difference between the two groups. The research findings revealed a statistically significant difference between the learning achievement resulted from the synchronized slide-tape and the picture book-tape programs at the level of 0.01. The results show higher achievement scores from the group learning through synchronized picture book-tape program than the group learning through synchronized slide-tape program. However, the learners statistically preferred synchronized slide-tape program to picture book-tape program at the level of 0.01.