

Thesis Title The Development and Implementation of a Sound-Slide
 on Soil Resource Conservation and Development for
 Teaching in Science (W 204) at Mathayomsuksa 2 level

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ABSTRACT

The purpose of this research was to develop and implement to test the effectiveness of a sound-slide on soil resource conservation and development for teaching in Science(w 204)at Mathayomsuksa 2 level. Eighty frames of color sound-slides were developed and used to test and retest with the students of Princess Sirindhorn's College Amphoe Muang Changwat Nakornpathom for three times to try out their validity.

The sample was students of Mathayomsuksa 2 of Rachineeburana School, Amphoe Muang, Changwat Nakornpathom. The two selected groups were from the undifferences of pre-test means and randomly assigned into the experimental group of 50 students and the control group of 50 students. The achievement test, the satisfaction rating form, and the evaluation from were used to evaluate the effectiveness of the constructed sound - slides. The t-test was analysed the data at the significance of 0.05 level

The results were as follows:

1. The students who viewed the sound-slide had higher mean score of achievement.
2. There was a statistically significant difference on the achievement test scores between two groups of students. The students who viewed the sound-slide presentation had higher average score than those who did not.
3. The students rated their satisfaction of a sound-slide to be more and most.
4. The experts also had their rating of a constructed sound-slide in the excellent and good scores.

This set of sound-slide which is the result of this research proved to be efficient for students learning on soil resource conservation and development. Thus, it should be submitted to the authority in order to be published and distributed as a supplementary teaching material for environmental education subjects.