

Thesis Title The Development and Implementation of a Sound - Slide
 on "Ecosystem" For Lower Secondary School Students

Name Khonkanok Ponradate

Degree Master of Education (Environmental Education)

Thesis Supervisory Committee

 Tippan Navawongs, M.Ed., M.A., C.A.S.

 Vinai Veeravatnanond, Ph.D.

 Sirichai Chinatangul, Ph.D.

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ABSTRACT

The purpose of this research was to develop and implement to test the effectiveness of a sound - slide on " Ecosystem " for lower secondary school students. Seventy frames of color slides mixed with sound were developed and tried out with the students at Mathayomsuksa 1 level of Municipal 1-(Burapawittayakorn) school. Amphoe Muang , Changwat Nakhonratchasima. The researcher used achievement test and evaluation forms to evaluate the efficiency of the sound - slide presentation.

The sample were students of Mathayomsuksa 1 of Municipal 3 (Yommaratsamakki) school Amphoe Muang, Changwat Nakhonratchasima. The two groups were selected based on average scores of pre - test and randomly assigned into the experimental group of 40 students and the control group of 40 students. The achievement test, the satisfaction

rating form , and the evaluation form were used to evaluate the effectiveness of the constructed sound - slide. The t - test was used to analysed the data at 0.05 level of significance.

The results revealed that

1. Student in the experimental group had higher average score of achievement test after viwed sound - slide presentation.

2. There was a statistically significant difference on the achivement test scores between two group of students. Those students who viwed the sound - slide presentation had higher average scores those who did not viwed the sound - slide presentation

3. The students rated their satisfaction of a sound - slide as more and the most satisfactory.

4. The experts also had rated a constructed sound - slide as excellent and good.

The statistical test showed that this set of sound - slide on " Ecosystem " was an efficient learning material for the sampling group of student. Other teacher should consider to use or to modify this set of sound - slide for other groups of students,or to use the same procedure to develop other learning materials on other topics of environmental education for other groups of students at different levels.