

<b>Thesis Title</b>	Use of Sound Laboratory in the Educational Reform Project Schools under the Office of Sukhothai Provincial Primary Education		
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### Abstract

This research was aimed to study the situations of the sound laboratory instructional activities and to study its result in the Educational Reform Project Schools under the Office of Sukhothai Province Primary Education. The subjects of this study included 44 school administrators and 44 sound laboratory teachers, 248 teachers and 462 students from the Educational Reform Project Schools. Four sets of questionnaires concerning the sound laboratory instructional situation and an interview observation form were used as the instrument for this study. The data were analyzed by computing frequencies and percentages, and data were presented in tables and description. As for data from open-ended questions and interview observations were classified and analytical described. The results were as follows:

#### 1. The sound laboratory instructional situations.

1.1 Planning and management: The administrator organized the meeting to plan sound laboratory usage. They also supported school personnel to learn how to operate sound laboratory, supplied addition materials, followed up supervision, looked for supportive budget from outside schools, cooperative usage among school network and community were also provided.

1.2 Management: Generally, the sound laboratory room, which modified from regular classroom contained 20 seats (booths). The room physical environment was suitable and safe and included electric fans. Some schools had some materials as satellite disk. The sound laboratory materials were kept nicely in order. Using schedule, rules and usage demonstration were provided. Moreover, the addition instruction materials were found and produced. The material, instruments and sound laboratory were well taken care of as well as the summarization record of sound laboratory use.

## 2. The sound laboratory result.

2.1 The sound laboratory was used 1–5 times per week mostly by Prathom Suksa 6 students in English subject. Teachers had planned the lesson well and materials used in the lesson were suitable to the content, objective and learners. Instructional activities started with introduction step and teaching step but summarizing step was rarely processed. The students were very active in joining the activities and mostly able to do activities as planned. The students were happy to do activities tidily.

2.2 Teachers and students' attitude toward sound laboratory: Teachers and students had the same opinion that the sound laboratory had increased the students' interest and understanding of the lesson more than usual classroom. It also provided students with wider experience and made them pay more attention to the lesson according to the variety of activities so that they wanted to come to school everyday. Teachers thought that it was worthy putting an effort on it to create effective teaching.

3. Problems and needs of administrators and teachers: They mostly needed instruction materials, enough budget to buy materials for all subject areas and levels. There should be training of introduction in arranging sound laboratory materials production, evaluation and basic maintenance. The knowledge needed to be exchanged from time to time. There should be self-directed learning lesson and also knowledgeable person to be in charge of sound laboratory at all time. They wanted to have related field specialist come once a year to check out all equipment. Problem situation were lack of equipment and materials. The equipment, and materials were often out of order, lack of knowledgeable persons, delayed repairing and not suitable classroom environment. The used of sound laboratory for instructing activities in other subject areas were very rare compared to English.

4. Suggestions and problem solving guidelines: The government should allocate more budget, training to increase knowledge of equipment using and how to use the sound laboratory to all teachers. Also the government should have an agreement with the company for after sale service voltage on wire. If possible, the government should give the budget to install sound laboratory individually with air conditioning, point out for the teachers to see the benefit of sound laboratory and encourage all subjects teachers to use it.