

# CREATE LEARNING MEDIA ON DRUM SET PRACTICE SKILLS FOR HIGHER EDUCATION STUDENTS IN THAILAND

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## ABSTRACT

The purpose of this research is to 1. Create learning materials for practical skills drum set 2. To compare the pre-study and post-study skills of students in using learning media for practical skills drum set The specific population used in this research is 12 first-year students, academic year 2023, of the Music Department, majoring in drum set, Suan Sunandha Rajabhat University, obtained by means of selecting from music instructors. Students must study in the field. Music subject Faculty of Fine and Applied Arts Suan Sunandha Rajabhat University passed the study Has knowledge in music theory and has basic drum set practice and is currently studying in Year 1 only.

It is quantitative research. The research tools were: 1) a teaching plan for Drum set practice skills 2) Academic achievement test Drum set practice skills assessment using learning materials for practice skills drum set 4) Teaching style Statistics used in data analysis include: Average score value Standard deviation, E1 / E2 values, and hypothesis testing using t-test using Dependent Samples Test.

The research results found that

1) Create learning materials for practical skills drum set Has efficiency according to criteria 80 / 85

2) Students have higher skills after using practical skills learning media drum set

The overall results in the class were significantly higher than before the class, with statistical significance at the .01 level.

**Keywords:** learning media, drum set practice skills, Higher education students

## INTRODUCTION

Developing the quality of education that will make students become quality people. Teaching and learning management is the heart of Using learning media as an important tool to make students learn. Developing learning media to be consistent with the current use of technology and innovation is necessary for teachers to develop and change learning media to be new, different, and more interesting than traditional learning media. Learn from the existing To stimulate curiosity and interest to students [2] New teaching methods It is the introduction of new ideas, methods, processes or inventions. to be used in learning management to solve problems or develop learning effectively according to the goals of the curriculum which will help study and study Teaching is more effective. Using technology in education motivates students to become more interested in learning. Learners can know their academic achievements immediately. In addition, the use of multimedia saves manpower, time, and budget by reducing the need for teachers. or expensive or dangerous equipment And when this multimedia is used in teaching and learning via the web. Make the media accessible to a wider range of students. [7] Dang Therefore, the researcher is interested in producing media for learning practical skills Drum set for higher education students for self-learning To give students a basis to use in their studies. Both in theory and practice, including to know the results of learning during study by using learning media such as video clips for learning. Focuses on

hands-on learning and promotes. Allow students to review their knowledge outside of class time after class is finished. which affects the learning of students

## **OBJECTIVES**

1. Create learning materials for practical skills drum set
2. To compare the students' pre-study and post-study skills in using learning media. Practical skills drum set

## **RESEARCH METHODOLOGY**

This research It is quantitative research. There is a method of doing this as follows.

### **Demographic group**

The specific population used in this research is 12 first-year students of the 2023 academic year of the Music Department, majoring in drum set, Suan Sunandha Rajabhat University. obtained by method Kak was chosen by music teachers. The students must study in the music field. Faculty of Fine and Applied Arts Suan Sunandha Rajabhat University Has knowledge in music theory and has basic drum set practice and is currently studying 1st year only

### **Research tools**

1. Teaching plan for Drum set practice skills for students
2. Academic achievement test Drum set practice skills assessment form after using learning media

### **Creating and finding quality research tools**

1. Creation learning media Basic drum set skills lesson there are steps as follows:
  - 1.1 Study and collect data Content of basic drumming skills, study of appropriateness of Study period
  - 1.2 Set expected learning outcomes and behavioral objectives. and divide the content into smaller units
  - 1.3 Analyze the content by having content and technical experts review it for improvement.
  - 1.4 Use the results of expert advice to create basic drum set instruction. and bring lessons learned to experts for evaluation
  - 1.5 Take the online lesson and test it with a group that has similar characteristics to the sample group to find Efficiency according to the 80/80 criteria of online teaching as a higher education student. Then used in the experiment. next ring
2. Creating a test to measure learning achievement regarding basic drum set playing. There is a process for creating and finding quality. As follows:
  - 2.1 Content analysis and learning objectives Each set includes basic drum kit practice skills.
  - 2.2 Create a basic knowledge test about basic drum set playing in accordance with the content. and learning objectives
  - 2.3 Take all tests to check for initial completeness. Then present it to the experts. Musically
  - 2.4 Take all tests Go to experts in measuring and evaluating numbers and music. Three people assessed the consistency between the questions and the learning objectives.

## DATA COLLECTION

The researcher collected data in the first semester of the 2023 academic year by collecting data from a target group of 12 people, divided according to the research period as follows.

### 1. Preparation stage

Clarifies the objectives, procedures, and details regarding teaching and learning.

### 2. Development stage and experimental stage

2.1 The researcher created a learning plan based on creating a basic drum set skills lesson. through online learning

2.2 The researcher had a sample group conduct a pre-test (Pre-test) with a specific sample of students. Using a 15-question test to measure academic achievement before organizing learning activities, a multiple-choice test with 4 options, and a skill test for creating a basic drum set skill test, a pre-class and post-class test. To measure knowledge, understanding and basic drum set practice skills, totaling 15 items to test basic drum set practice abilities. Then record the score and then proceed with online drum set practice teaching. Used to organize learning for 3 hours a week, 1 hour and 30 minutes per day, for a total of 12 weeks. Upon completion of teaching and learning. Students must take a test at the end of the hour to test their proficiency in basic drum set practice. The researcher had the sample group do a post-test on basic drum set practice skills (Post - test) with the sample students. Using a 15-question academic achievement test and a skills test to create a basic drum set skill test, the same version as the pre-class test. Take it for scoring and record it as a pre-study exam score. To be used in static data analysis

### 3. Conclusion

3.1 The researcher collected all data for processing and analysis.

3.2 Summary of discussion results

## ANALYSIS

The researcher has analyzed the collected data according to the stated objectives.

1. Analyze basic drum set practice skill scores By calculating the quality of the tools for creating and developing along with testing innovations including IOC, difficulty values, discriminatory power values, test reliability values, efficiency values including E1 / E2, E.I. values, and testing hypotheses using the t-test value, Dependent Samples Test, test to measure academic achievement. learn Analyze and evaluate students' drum set practice skills before and after studying with online teaching.

## RESEARCH RESULTS

1. Results of creating learning media Let's analyze the effectiveness of the media for learning music practice skills. By finding the efficiency of the process, the results were as follows.

Table 1 Results of analysis to determine the effectiveness of online learning media to promote drum set practice skills.

Number of students (n)	During study (E1)		After study (E2)		E1/E2
	Full score	Score obtained	Full score	Score obtained	
12	70	56.00	30	25.50	80/85

From Table 1, it is found that the media for learning music practice skills during class and after class. Learning media to promote music practice skills has an efficiency value (E1/E2) equal to 80/85 which It meets the criteria of 80/80, showing that the learning media to promote practice skills developed is effective according to the set criteria.

2. The results of comparing the learning achievement before and after studying the learning media appear as follows.

Table 2. Results of comparing the academic achievement before and after studying of students who studied with online learning media to promote music practice skills for secondary school students.

Test	quantity	average	standard deviation	t	Say.
Before studying	12	20.67	2.93		
After school	12	22.25	3.22	2.78	0.018

From Table 2, it is found that students who studied with learning media after studying had higher academic achievement than before studying. Statistically significant at .05.

3. Comparative results of the evaluation of students' drum set practice skills after studying with online teaching for higher education students.

Table 3. Comparative results of the evaluation of students' drum set practice skills before and after the lesson.

With learning media on drum set practice skills

Number of students (n)	Before studying	After school
12	20.67	22.25



**Figure 1:** Picture of drum notes, sample learning media.  
**Source :** Rungkiat Siriwongsuwan

## **DISCUSSION OF RESEARCH RESULTS**

1. From the study of the creation and development of online learning media to promote music practice skills for higher education students during and after study. Learning media has an efficiency value (E1/E2) equal to 80/85 learning to promote music practice skills for higher education students has been developed to be effective according to the set criteria, which is higher than the set criteria of 80/80 in preparation appropriate to the age of the learners. There is activity content that is a sequence of steps that are clearly explained in detail, giving learners as well as teachers a true understanding of teaching and learning. This is consistent with the research results of [5]. BattleThe efficiency of the teaching set is equal to 86.31/88.66 Higher than the specified threshold of 80/80

2. The results of comparing the learning achievement before and after learning of students found that students who studied with learning media to promote music practice skills for higher education students were taught using practice exercises. Online learning media to promote music practice skills for higher education students has prior academic achievement. Study grade point average is equal to 20.67 scores and after studying the average score is equal to 22.25 score. Which is significantly different at the .01 level, with teaching and learning organized in a systematic way. Teaching activities include Introduction to the lesson The teaching stage emphasizes practical skills. Conclusion The results of the research found that the academic achievement of students after studying with the teaching model was higher than before studying at a statistical significance at level .01 which is according to As for the reason that students have higher academic achievement after studying, it may be because of the design and develop lessons. [4] Have The steps are carried out systematically. The quality of the lessons is inspected and assessed by experts before using them for actual trial lessons. The lessons are designed to cover each topic. Able to convey meaning and relate to the content, making it easier for learners to understand and remember the content. Important words or messages are used in bold font style or in eye-catching font colors. And the teaching is arranged in order from easy to difficult. Moreover, students can review the content easily, conveniently and quickly from anywhere at any time via the internet. [3] There are also exercises for students to review an unlimited number of times. Learning will be recorded to follow the learner by recording the various activities of the learner. Including recording test scores before class and practice scores during class. Test scores after studying Make students excited in learning Interest in learning the content is the reason why the average academic achievement after studying is higher. Compared to the average score before studying

3. Teaching learning media requires a teaching model that has been developed to make students excited in organizing teaching activities. There is a complete presentation of various skills, including listening, practice [1] Music creation and reading are detailed enough and can

be easily learned and understood. Teaching requires a variety of activities, from easy to difficult. Arrange for students to practice on the drum set and emphasize on making it an example. Drum set practice is an expression of listening, reading, and teaching activities that are diverse and fun. [6] developed an e-Learning lesson on selecting software that is appropriate for work for Year 4 higher education. It was found that the e-Learning lesson on choosing software that was appropriate for work for 4th year of higher education with the highest quality.

### ACKNOWLEDGEMENTS

The author of this research would like to formally express appreciations to the Research Institution, Suan Sunandha Rajabhat University for financial assistance and document process assistance. Many thanks to the staff and director of Language Institute, Suan Sunandha Rajabhat University for the kindly process the research data and proofread the paper as well as provide important information support

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