

## Application of the Cooperative Script Learning Model to Improve Student Learning Outcomes in Basic Competencies Understanding Various Styles in Building Structures at SMK Negeri 1 Lotu for the 2022/ 2023 Academic Year

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### Abstract

The problem in this study is that the Cooperative Script learning model has not been optimally applied to the Basic Competence of Understanding Various Styles in Building Structures and student learning outcomes are limited to achieving KKM, namely 70. Research objectives: (1) To describe the learning process by applying the Cooperative Script learning model on Basic Competency of Understanding Various Styles in Building Structures at SMK Negeri 1 Lotu for Academic Year 2022/2023, and (2) To find out student learning outcomes for Basic Competency for Understanding Various Styles in Building Structures at SMK Negeri 1 Lotu for Academic Year 2022 /2023. This type of research is Classroom Action Research (CAR). This research was conducted at SMK Negeri 1 Lotu with research subjects of class X DPIB, totaling 22 people. The instruments in this study were observation sheets of the learning process (teacher respondents), observation sheets of student activity, photo documentation, and learning achievement tests. With the data analysis technique, namely the observation sheet is processed with a Likert scale and the learning achievement test is carried out by validation test and test feasibility test. Research results: (1) In cycle I (First) the average percentage of observations in the learning process (teacher respondents) is 65.63%, the average percentage of observations of student activity is 48.44%, the average learning outcomes count is 65.78 with a percentage of student completeness of 45.45% and this result has not reached the target that has been set, namely 70. (2) While in cycle II (two) the average percentage of observations in the learning process (teacher respondents) is 87.50%, the average percentage of observations of student activity is 81.25%, the average student learning outcomes is 81.36 which is categorized as good with a complete percentage of student learning outcomes of 100% and has reached the set target of 70. From the research findings above it can be concluded that by applying the Cooperative Script learning model to the Basic Competency Engineering Mechanics subject of Understanding Various Styles in Building Structures can improve student learning outcomes at SMK Negeri 1 Lotu.

**Keywords:** Cooperative Script Learning, Learning Outcomes



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### INTRODUCTION

In principle, education is a need that must be met in the process of life. The progress of a nation is influenced by the quality of education of the nation itself, because higher education can produce quality human resources. The education referred to here is not non-formal but formal in nature, covering the teaching and learning process involving teachers and students. The success of student learning achievement is influenced by the good quality of education. Because good quality education will increase student achievement in learning activities. When the teaching and learning process takes place in the classroom, there will be a reciprocal relationship between various students and this will result in limited time for the teacher to control how his behavior influences student learning motivation. According to Teguh Triwiyanto (2014: 23) states: Education is an effort to attract something in humans as an

effort to provide programmed learning experiences in the form of formal, non-formal and informal education at school, and outside of school, which lasts a lifetime with the aim of optimizing abilities The ability of the individual so that in the future they can play the role of life appropriately.

The process of improving the quality of educators is an integral part of teachers' efforts to apply learning methods that can motivate students to learn more effectively. However, in reality there are still many teachers who have not implemented appropriate learning methods with learning materials, so that student learning outcomes are not achieved. Ensure interactive, inspiring, fun learning and encourage students to play an active role in learning. With the existence of models, strategies and teaching methods that are in accordance with effective teaching concepts and teaching materials, qualifications will certainly be achieved and improve learning outcomes by themselves.

Improving the quality of education, including through teaching staff, students, materials, learning strategies, facilities, and the environment. Each of these components are interrelated to achieve a goal. Various efforts have been made to improve the quality of national education, both by developing curricula, improving teacher skills, providing school facilities and infrastructure, and providing scholarships to outstanding students. All of these activities are aimed at improving Indonesia's human resources in general.

One indication of quality improvement is an increase in student activity so that learning outcomes can increase, because learning outcomes are the main target in the development of the education sector. Improving learning outcomes is inseparable from the mental development of students, the mental development of students at school includes the ability to work abstractly towards conceptually. Nurdyansyah and Eni Fariyarul Fahyuni (2016:138) states that "learning outcomes are the abilities that students have after they receive experience from the learning process". Learning outcomes are used by the teacher to be used as a measure or criterion in achieving a learning goal as indicated by the test scores given by the teacher after finishing giving subject matter on one subject. Achievement in learning objectives is largely determined by the success of the learning process in class, the success of teaching in class is influenced by various factors, one of which is the interaction factor of teachers and students in learning. Teachers have a very important role in teaching and educating students as a subject that is the target of education.

In achieving these goals it is necessary to interact with the learning environment that is regulated by the teacher through the learning process. As stated in the Law of the Republic of Indonesia Number 20 of 2003 concerning the National Education System (2003: 3), namely: National education functions to develop capabilities and form dignified character and national civilization in the context of educating the nation's life, aiming at developing the potential of students so that become a human being who has faith and is devoted to God Almighty, has noble character, is healthy, knowledgeable, capable, creative, independent, and becomes a democratic and responsible citizen.

In conditions that are always changing, uncertain and competitive, learning activities based on vocational competencies need to be planned, programmed and implemented in accordance with the basic competencies that apply in Vocational High Schools. Learning activities will run smoothly if the elements in the learning process can be carried out correctly, correctly, and smoothly. The elements of learning include, the learning objectives to be achieved, subject matter, teachers, students, learning facilities and infrastructure, learning resources and learning models used and learning evaluation.

Based on the results of observations made by researchers at SMK Negeri 1 Lotu as a school planned to be a research location, several problems were found related to student

learning activities and outcomes, especially students of class X (ten) Design Modeling and Building Information (DPIB) at SMK Negeri 1 Lotu namely learning activities are dominated by the teacher while students are less active, students tend to be bored, not enthusiastic and less active in following the subject matter delivered by the teacher, some students are sleepy when learning takes place, Minimum Completeness Criteria (KKM) in subjects understand the various styles in the building structure is 70, but the average student learning outcomes before remedial cannot meet the applicable KKM. Therefore it is necessary to have an evaluation so that student learning outcomes can increase.

Based on the results of interviews with teachers of Engineering Mechanics in Class X, there are several problems including most students are less interested and motivated to learn coupled with the minimal use of learning media, lack of activity and student response during the learning process, especially when the teacher asks questions, as well as the teacher's limitations in creating The class atmosphere is active and fun. Based on the explanation above, it can be said that the delivery of learning by teachers to students still has many shortcomings, the teaching and learning process is considered difficult, boring, and less interesting. The learning activities carried out are still centered on the teacher, in the learning process these students tend to be passive and cannot understand the content of the material presented.

Based on interviews with several students, it was found that students were less interested and enthusiastic in participating in learning activities because during the learning activities were dominated by the teacher, the teacher's explanations about engineering mechanics learning material were not understood and understood by students, students were sometimes reluctant to ask the teacher about material they did not understand, students are less interested in learning methods that are always monotonous. To overcome this problem, one of the efforts made by researchers is to improve the learning process by applying the Cooperative script learning model. The cooperative script learning model is a learning model where the delivery of teaching material begins with giving a discourse or a summary of the teaching material then students provide new ideas or ideas into the teaching material provided by the teacher. According to Istarani (2011: 15) that "The Cooperative script learning model is a learning model in which students work in pairs and take turns verbally summarizing parts of the material being studied". Through this model it can encourage students to practice solving problems by expressing their ideas and comparing student ideas with the ideas of their friends.

The purpose of the researchers in carrying out this research was to describe the learning process in the basic competencies of understanding various styles in building structures by applying the Cooperative Script learning model at SMK Negeri 1 Lotu in the 2022/2023 academic year and to find out the increase in student learning outcomes in the Basic Competency of Understanding Kinds -Variety of Styles in Building Structures.

## **RESEARCH METHODS**

This type of research is Classroom Action Research. Jalaludin (2021: 2) defines Classroom Action Research as research conducted by teachers/lecturers/students/researchers in the classes they teach based on the results of self-reflection with the aim of improving the quality of learning through cycles. This research was carried out with the aim of improving the learning process in order to achieve maximum learning objectives. Therefore, this Classroom Action Research focuses on the process of learning activities.

In carrying out this research, the objects of action in this research are: The Cooperative Script learning model has not been maximally applied in the learning process. Student learning outcomes in learning are still lacking. Some of the actions and stages of implementing Classroom Action Research (PTK) are as follows: Planning (Planning), Each meeting prepares:

Learning Implementation Plan (RPP) according to the Cooperative Script learning model, Preparing teaching materials, Preparing Student Worksheets (LKS), Prepare observation sheets, researchers/teachers, students who are active in learning activities. At the end of each cycle the researcher prepares: Study result test scripts based on the test grid, answer key sheets, interview guide sheets, photo documentation. Action (Action), Implementing action, namely learning activities by applying the Cooperative Script learning model to the Basic Competence of Understanding Various Styles in Building Structures. Observation. The subject teacher as an observer pays attention to the appropriateness of the learning steps through the Cooperative Script learning model carried out by researchers during the learning process by filling out the observation sheet (attached). Reflection (Reflection), Based on the results of interview observations and evaluation of student learning outcomes, reflection is carried out to see weaknesses and successes in the implementation of each cycle.

The location for the implementation of this research was carried out at SMK Negeri 1 Lotu which is located in Hilidundra Village, Lotu District, North Nias Regency. In accordance with the researcher's plan, this action research was carried out in the odd semester of the 2022/2023 school year. In accordance with the research implementation plan to be precise from September to October 2022. For the implementation of this research the schedule was adjusted to the schedule set by the school so that teaching and learning activities run as scheduled and learning materials can also be achieved. The subjects of this study were 22 odd semester students of SMK Negeri 1 Lotu Class X Building Modeling and Information Design (DPIB) in the 2022/2023 academic year.

The instruments used by researchers in this study were:

1. Observation Sheet. The observation sheet is a structured guideline by observing teachers (researchers) and students to obtain research data.
2. Interview. Interviews are direct communication carried out to obtain data regarding the activities of implementing the learning process.
3. Documentation. Documentation is a document collected by researchers to serve as a source of research data.
4. Learning Outcomes Test. The learning outcomes test is an instrument for measuring ability in the field of education in the form of a subjective description test arranged based on a test grid.

## **RESEARCH RESULTS AND DISCUSSION**

During the implementation of this research carried out by researchers, several findings were obtained, including: new students were able to understand when the teacher explained in advance the procedure for implementing the learning model used, namely the Cooperative Script learning model, student activities in the learning process were only effective when the teacher presented subject matter, gave it is the duty of students to take responsibility for it so that students quickly respond to the material being taught, so that the learning process is more useful and the ability of students is better in understanding the material.

The Cooperative Script learning model can make students more active, namely by involving students in learning directly on the subject matter to work together in pairs, training the ability to find the main ideas of the material outlined in the form of a summary and presenting it, training students' listening in the material presented as well as being able to give opinions or correct, learn to respect opinions and exchange ideas and stimulate thinking in solving problems.

### **Implications of Research Results**

In the world of education, the implication of this research is that through the use of the Cooperative Script learning model, students are required to be able to work together in small groups to foster collaboration skills, summarize material, correct or give opinions and be able to present the summary results that have been made. . Through this classroom action research it is hoped that teachers can improve the learning process and can improve the quality and relevance of education as a reflection of learning.

### **Limitations of Results Analysis and Interpretation of Findings**

The limitations of this research findings are basically not absolute, where this is caused by a number of limitations. Therefore, it is necessary to disclose the limitations of this research, especially in the aspect of analysis and interpretation of the research findings. Based on this, the following will reveal the limitations of the research so that readers have the same views as the researcher. Some of the limitations encountered are:

1. The learning process using the Cooperative Script learning model in this study still has various weaknesses. If there are other learning methods used, it is possible to get different results.
2. Learning through the Cooperative Script learning model aims to improve students' ability to master learning material, the possibility of its application is still not optimal and weaknesses need to be corrected, especially concerning student activity and involvement during the learning process.
3. The average score obtained by students and the percentage of their completeness from the learning achievement test will have different results if other learning methods are used.

### **CONCLUSION**

Based on the results of the research that has been carried out regarding the application of the Cooperative Script learning model in the learning process on the basic competencies of Understanding the Various Styles in Building Structures in class X DPIB SMK Negeri 1 Lotu it can be concluded as follows: The learning process on basic competencies understands the various styles in building structure using the Cooperative Script learning model: The results of observations in the learning process of the teacher respondents in cycle I reached an average of 65.63%, and in cycle II it increased to an average of 87.50%. The results of observing students' activeness in the learning process in cycle I reached an average of 48.44%, and in cycle II it increased to an average of 81.25%. The average student learning outcomes by applying the Cooperative Script learning model in cycle I average student learning outcomes of 65.27 and the percentage of complete student learning outcomes is 45.45%, while in cycle II the average student learning outcomes reach 81, 36 in the good category and the percentage of completeness of student learning outcomes is 100% having reached the target set. Based on the results of the above research, it can be concluded that by applying the Cooperative Script learning model optimally on the basic competencies of Understanding the Types of Style in Building Structures, it can improve student learning outcomes for Class X DPIB SMK Negeri 1 Lotu.

Based on the findings and research results, discussion and conclusions in this study, some suggestions from researchers are as follows: It is recommended that productive subject teachers optimize the application of the Cooperative Script learning model, so that student scores can meet the Minimum Mastery Criteria (KKM) standards. For maximum student learning outcomes, it is hoped that learning steps can be optimally applied in the learning process so that it can encourage students to be active in learning activities. The teacher should



continuously reflect on the learning process to improve weaknesses that exist during the learning process. The results of this study should be used as comparison material in further research.

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