

EFFORTS TO IMPROVE LEARNING OUTCOMES THROUGH THE IMPLEMENTATION OF CURRICULUM-BASED 2013 RECORD LEARNING VIDEOS IN VOCATIONAL HIGH SCHOOLS

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ABSTRACT

The Era of Digitalization makes the development of science and technology at a very rapid change in aspects of human life. Science and technology can have a very positive effect on one's education and social life as technology becomes increasingly prevalent in educational activities. However, there are still many teachers who still use conventional methods or lecture methods causing the receiving of material delivered to education less absorbed by students so that the impact on the learning process is not optimal. This research aims to identify the application of record learning videos based on the curriculum 2013 can improve the results of study in Vocation High School. The research is Class Action Research. Video Learning as a Learning Medium is a medium specifically designed to stimulate the mind, feelings, attention, and will of students so that the learning process occurs. Its utilization is the systematic use of learning resources. The function of utilizing the presence is very important leading to the improvement of learning outcomes obtained by students. The results obtained from this study are the improvement of learning outcomes, starting from pre-action obtained 43% completeness of the learning results, further improvement in the action of cycle 1 by obtaining the results of 87 % completeness of the learning results, and in the final result is carried out cycle action 2 by obtaining the result of an increase of 97 % completeness of the learning results.

Keywords: Videos, Records, Learning Outcomes

INTRODUCTION

The Era of Digitalization makes the development of science and technology at a very rapid change in aspects of human life. One of the areas that has a significant impact in the development of science and technology is the field of education, where basically education is a process of communication and information, media as a means of presenters of ideas, ideas and educational materials as well as students (Khotimah, 2017; Anggoro, 2018). Related to this, the advancement of science and technology requires that one be able to master information and knowledge optimally.

Science and technology can have a very positive effect on one's education and social life as technology becomes increasingly prevalent in educational activities. It is hoped that educators

will be able to utilize digital tools to support teaching and learning activities in the classroom (Akyuz & Yavuz, 2015; Gan, Menkhoff & Smith, 2015; All, Nunez, & Looy, 2015). This is seen in the supporting facilities and learning media that teachers use in delivering materials to students. With the advancement of technology, educators as professional educators can always innovate in creating learning media that can support the understanding of learners in understanding and mastery of subject matter both theory and practice, so that the learning process is expected to be more centered on students so that the learning results will improve (Kingsley, 2007; Rahman, 2014; Norman & Furnes, 2015). The implementation of this learning media aims to facilitate the delivery of material from educators to students, increasing the interest and willingness of students in enthusiasm for a subject.

Learning media is a medium specifically designed to stimulate the mind, feelings, attention, and will of students so that the learning process occurs. Learning media is not just a physical object, but everything that already contains learning materials, allowing one to use it to learn in order to gain knowledge, skills, or change of attitude (Sahid, 2010). The use of media is the systematic use of learning resources. The function of utilization of attendance is very important because it is related to students in the learning materials or learning system. Furthermore, Injoni revealed that learning using video-based learning media learning has interactive properties, as a mass and interpersonal medium, as well as an information warehouse (Jas, Rosha, & Nilawasti, 2012: 2). Other benefits of implementing video-based learning are: educators can upload concept maps, learning objectives and some perception questions within a site, so students can access them before the learning process takes place (Dewi, 2013). Based on this, learning media has good benefits in the field of education but still not many use it in the learning process towards optimal learning results. The results of such learning can be changes in cognitive, affective and psychomotor abilities. The result of learning is a change in behavior resulting from learning. The results of learning are the achievement of educational goals in students who follow the teaching learning process (Purwanto, 2011).

Based on the observations of researchers in the field, it was found that there are still many teachers who still use conventional methods or lecture methods that cause the receiving of material delivered to education less absorbed maximum by students so as to produce the results of the learning process is not optimal. Based on the circular letter from the Minister of Education in Indonesia that teachers in the learning process must have innovation and creativity in the learning process one of them by using learning media related to information technology such as the use of laptops, android and internet access. The fact that conventional models are widely used by educators makes students less interested and the limited use of information technology makes the learning process less effective and efficient. The purpose of this research is: Identifying the Implementation of Curriculum-Based 2013 Record Learning Video can Improve Learning Outcomes in SMK over Surakarta residency.

METHOD

The research is Class Action Research (PTK). PTK is practical research intended to improve classroom learning. According to Suharsimi (2010) that research action as a scrutiny of learning activities in the form of an action. PTK is a scientific activity consisting of Class Action Research. In this case, a study needs a research site that will be used as an object to obtain the necessary data to support the achievement of research objectives. The implementation of this research was conducted in collaboration with the teacher of record subjects so that the research

conducted can run targeted and maintain the validity of the data from the results of the research conducted.

The research procedures carried out in accordance with the stage stipulated by Suharsimi (2010:17), in this study are: (1) Preparation Stage, (2) Stage of Implementation of Action, and (3) Stage of Data Analysis and Reporting. In the research collected in the form of information on the results of learning in record learning. In order to solve the existing problem, in the implementation of research, data relevant to the problem is needed, it is necessary to use the data collection in obtaining the data that is being researched in order to obtain data that is completely valid and trustworthy. The data collection techniques used are: observation, interview, test, and documentation.

In order for the results of the study to be accounted for the truth, the researchers used triangulation techniques. According to Slamet in Suwanto (2007:54) Triangulation is the most commonly used way for increased validity in qualitative research. With triangulation, it is possible that the shortcomings contained in one informant will get completeness. Data analysis is a way to process the data that has been obtained from the document. To test the validity of the data by managing the data that has been obtained from the document. In order for the results of the study to be realized in accordance with the desired objectives, in analyzing this research data using model analysis including: data reduction, data presentation, withdrawal or verification conclusions (Milles and Huberman, translator Tjetjep Rohendi Rohidi, 2007: 20).

DISCUSSION

Problem Identification

Before carrying out research activities, researchers first carry out problem identification activities that aim to know the real circumstances that exist in the field. Based on the identification is known that the learning process used still uses conventional learning namely teachers as teacher centered, not students as learning centers. Teachers tend to use the learning model of lectures in the learning process. The learning is not wrong, but it is too monotonous and less interesting in the learning process so that students are less motivated in following the learning process. Conventional learning here gives rise to students who listen more to their teachers in the learning process so as to influence the learning outcomes of students, whose average grades have not reached the minimum completeness criteria that has been set by the school which is 75.

Based on the analysis that teachers still have problems managing record learning by 35.7%, so it needs solutions in overcoming these constraints in order for record learning to run properly. The results of pre-action studies taken from the grades of Midterm Replay of students, showed that the completion of the study results with minimum completion criteria = 75 achieved in pre-action as many as 152 students with a percentage of 43%, while the students who had not completed were 200 students with a percentage of 57%. Based on these results indicates that in the ongoing learning process has not been successful, because the completeness of the learning results of the students has not reached the expected indicators.

Based on the results of the identification of the problem shows that : (1) Students are less

interested and less active in the learning process;(2) Students are less involved in the learning process because learning is dominated by teachers;(3) The students learning results have not been able to achieve optimal results;(4) Teachers are less varied in using learning models, so students are less interested in learning;(5) Teachers still have difficulty in implementing the right learning model to improve students learning outcomes.

Based on the problems that arise, it will impact the learning outcomes of students, so there needs to be improvement in the learning process. Follow-up taken in an effort to improve the learning outcomes of students then researchers implemented record learning videos based on the 2013 curriculum.

Results of Research Actions

Based on the results of the research, it can be stated that there is an increase in learning outcomes.

Number	Description of Achievement Results	Sum/Value		
		Pre Action	Cycle 1	Cycle 2
1	Students who scored a score of > 75	152	305	340
2	Students who scored 75 < 75	200	47	12
3	Percentage of Completed Students	43 %	87 %	97 %
4	Percentage of Students incomplete	57 %	13 %	3 %

Source: Processed data on learning outcomes

Here are the results of achieving completeness each cycle:

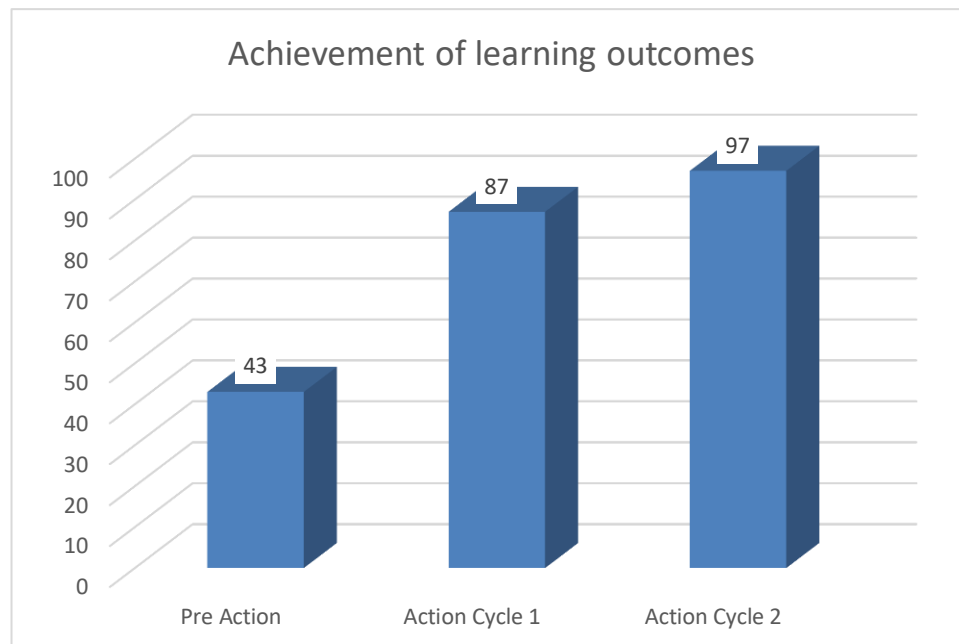


Figure 1 Achievement of learning outcomes

Based on figure 1 of the study results of students there is an increase in each cycle. Before implementing the curriculum-based 2013 record learning video, the results of completed work reached 43% so that it is necessary to implement a 2013 curriculum-based record learning video, the results of completed in cycle 1 actions reached 87%, in cycle 1 performed analysis and reflexive action so that in cycle 2 action there was an increase in learning outcomes. After the action of cycle 2, there was an increase of 97% in the completeness of the students' learning results

The implementation of curriculum-based learning video based 2013 is to present concrete learning objects or learning messages realistically, so it is very good to add learning experience, so that being a learner's booster for learning, very good for achieving psychomotor learning goals, can reduce the saturation of learning, especially when combined with the learning model of lectures and discussion of issues that are aired, adding to the memory of learning materials learned by learners, portable and easy to distribute to all students. In addition, learning videos can be utilized in learning programs because they can provide unexpected experiences to students during learning.

The implementation of curriculum-based 2013 record learning videos is able to attract students, increase student knowledge, increase students' imagination, increase critical thinking power and trigger students to participate more and be enthusiastic, so that students can be more active in the learning process. In addition, learning videos have the function of presenting something concrete, although not physical learning using a double sense of vision and hearing can provide an advantage for students to better understand the material described by the teacher.

CONCLUSION

The implementation of record learning video curriculum-based 2013 shows excellent results in improving the learning outcomes of students in the learning process in Vocational High Schools Eks-Karesidenan Surakarta in the field of Automation and Office Governance (OTKP). In addition, there were several responses from students after the action, including: (1) Record learning videos help understand record material, especially the handling of incoming mail, outgoing mail and the use of archival systems within an agency, (2) Learning videos feature an interesting and tedious record system, (3) The absence of record learning videos makes learning easier especially when at home and wherever you are by utilizing information technology tools.

The role of media in the learning process is increasingly important and needs to be applied in Vocational High School especially the productive skills field of office administration. In expanding the insights of students in fulfilling the competencies needed in the world of work or industry, video learning media based on curriculum based 2013 is suitable for current learning activities to be applied. Learning is currently set with Active, Innovative, Creative, Effective, and Fun Learning. Video Learning as a learning medium follows the development and advancement of technology, so it is expected to help educators in delivering teaching materials, so that learning activities become more optimal.

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