



**Creation of Educational Videos Focused on Fundamental Passing
Techniques in Football at MAN 2 Palu**

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Abstract
<p>Objective. The aim of this study is to create multimedia resources utilizing video tutorials focused on fundamental football passing techniques through the ADDIE framework.</p> <p>Material and Method. This research involves a procedural development approach utilizing the ADDIE model, which encompasses analysis, design, development, implementation, and evaluation. Data analysis techniques employed include qualitative descriptive analysis and quantitative descriptive analysis. The multimedia developed focuses on variations of inside foot football passing, presented as a video tutorial. It includes content that explains the fundamental techniques of football passing and demonstrates how to execute basic techniques using the inside of the foot.</p> <p>Results. The findings from the feedback provided by experts in football materials indicate that the multimedia for football passing is rated positively, achieving a percentage value of 85%. The feedback from technology and information specialists is exceptionally positive, with a remarkable percentage of 98.75%. The feedback from PJOK teachers is highly positive, achieving a percentage of 96.25%.</p> <p>Conclusion. The findings indicate that the learning video on football passing variations is appropriate for implementation in physical education, health, and recreation courses. The aim is to ensure that this study can be effectively tested, allowing for the determination of its effectiveness through three conducted tests. This study suggests that additional exploration could lead to the creation of more interactive learning tools, including the incorporation of augmented reality or mobile applications powered by artificial intelligence to offer immediate feedback to learners. Furthermore, it is essential to evaluate the effectiveness of this learning video within a wider framework that encompasses diverse schools and varying educational levels.</p>
Keywords : Educational Video, Fundamental Passing Techniques, Football Training

Introduction

MAN 2 Palu School is one of the senior high schools The country located in Palu City . The problem in this school, especially in class X, is PJOK education, with a focus on sports technology. The problem is that there is no educational media that can help teachers in teaching and students in receiving material, so far learning has only focused on the teacher. Making students less than optimal in terms of mastering the material, (Riyanto & Kuswoyo, 2019) stated that teaching and learning activities are monotonous, one of the reasons is that the material is only focused on the teacher. In this case, the development of learning media is in line with the demands to improve the curriculum and syllabus (Sukendro et al., 2017) . In his description, (Swadesi & Kanca, 2018) explained that the Research on the Development of Physical Education, Sports and Health Learning Models is very important because; 1) helps teachers in delivering messages in teaching and learning activities, 2) helps students in receiving teaching messages, 3) Teachers do not have to repeat making the same lessons from year to year, 4) interesting learning materials and media are easily obtained. Students tend to be interested in practical learning outside the classroom. Practical learning cannot run optimally without the teacher providing introductory theory.

' enthusiasm in learning theory in class is also influenced by teachers who still predominantly use the lecture method. Schools have implemented educational technology such as LCD projectors to help students learn more effectively. The interaction between teachers and students has improved, but is still not effective, students only study, observe, and are less active when learning. When given the opportunity to ask about a subject they do not know, students do not take advantage of the opportunity and instead remain silent. As the learning process progresses, students cannot focus on the material being taught, one of the causes of this problem is that teachers have not optimized the use of learning media in the classroom.

In addition, with limited facilities and infrastructure such as balls and fields, the learning process sometimes experiences obstacles. If it is the rainy season, the learning process in the field cannot be carried out because the field conditions are muddy and inadequate. Learning activities carried out online or directly make students less able to understand the material being studied due to time constraints, especially material on soccer *passing* . Once a week, teachers hold limited meetings with the aim of practicing. In addition, the use of learning media is not optimal in physical education and health learning, such as video or audio visual media. In his explanation, (Arsyad, 2011) stated that media is an intermediary or introduction in the learning process, similarly, (Daryanto, 2016) stated that

media is an intermediary or introduction to communication from the sender to the recipient. Furthermore (Sadiman, AS, 2010) explained that media is anything that is used to channel messages from the sender to the recipient so that it can stimulate the thoughts, feelings, attention, and interests and attention of students in such a way. Based on the nature above according to experts related to learning media, in this study, namely video audio visual passing-based learning media in football games.

The previous argument implies that there needs to be innovation in the development of more interesting and interactive educational media so that students are more interested and involved in learning. Teachers must use interesting teaching materials so that the learning process does not burden students and the interaction between teachers and students is maximized, one example of educational media is learning videos, which can be used to create a more interesting learning environment for students by making the material easier to understand.

Physical education, sports, and health (PJOK) has an important role in building motor skills and understanding basic sports concepts in students (Kuswoyo, 2018) . However, learning basic techniques in football, such as passing, is often not optimal due to the limited learning media available (Kuswoyo & Betaubun, 2019) . Conventional teaching methods that are still dominated by lectures cause students to be less active in the learning process. In addition, the limited facilities in schools, especially when practical learning is hampered by weather or lack of supporting facilities, further worsen the situation.

This research is important because it provides a solution to the above problems through the development of audio-visual-based learning videos that can be used as a tool for teachers and students. This video allows students to learn independently and repeat the material as needed, so that learning becomes more effective and interesting. In the era of digitalization of education, the use of technology-based learning media like this is an urgent need to improve the quality of learning in schools.

The uniqueness of this study lies in the development of a learning video of variations in soccer passing techniques that not only presents theory, but also provides clear and systematic visualization of the correct basic techniques. Unlike previous studies that focused on individual techniques such as dribbling or shooting, this study focuses more on passing as a fundamental element in the game of soccer that is often overlooked in formal teaching.

The urgency of this research is based on the need to improve the effectiveness of PJOK learning through media that is more innovative and easily accessible to students. With the increasing development of educational technology, the use of learning videos developed through the ADDIE model can be the right solution to improve students' understanding and skills in sports. In addition, the findings of this study can be the basis for further development in the field of sports education multimedia, especially in the context of football learning.

For this reason, researchers try to find a solution by taking a video development study on soccer learning with *passing material*, the reason researchers took this study was because there were already research results that showed the success of implementing this learning media, namely: Development of Basic Soccer Playing Technique Learning Videos Using Kun for Students of Portis Saentis Soccer School, written by Hanafi Hasibuan in 2017, the results of the study showed that students after following the learning process using learning media development products in the form of learning videos for basic dribbling and passing techniques in soccer games increased compared to before taking part in learning using learning media in the form of basic dribbling and passing technique learning videos in soccer games. Based on this description, the researcher intends to take a study that focuses on the development of soccer *passing* variation learning videos for class X Man 2 Palu students.

Materials and Methods
Study Participants.

(Sugiyono, 2012) The development research in this research is the development of a learning video for variations of football *passing* in the form of learning in audio-visual/video form for class X students at Man 2 Palu.

Study organization.

process is the ADDIE model developed by Dick and Carey in 1996 to design learning systems (Gall & Borg, 2003) which involves the stages of model development with five development phases including (*Analyse, Design, Develop, Implement, And Evaluation*)

Statistical analysis.

Where the purpose of this development research is to create learning media in the form of video teaching materials for variations of football *passing* that can increase students' interest in learning and can improve students' learning knowledge in learning football *passing*. In implementing this research, the subjects of the researcher were students of class X Man 2 Palu.

Results and Discussion

Based on the results of the analysis, it can be concluded that the audio-visual-based learning video product in the form of passing variations in soccer games for class X students of Man 2 Palu has met the assessment criteria with a good predicate. Where the results were obtained through several assessment aspects in the questionnaire, including the Football Material Expert Assessment Aspect in the form of 1) Introduction Aspect, 2) Material Content Aspect. Media Experts in the form of 1) Visual Aspects, 2) Audio Aspects, 3) Language Aspects, 4) Programming Aspects. The assessment of PJOK teachers consists of 1) Material Aspect, 2) Media Aspect, 3) Usefulness Aspect. The researcher explains the overall assessment table of the three experts above in the table below.

Table 1. Expert test results

Component			Percentage (Assessment Scale %)	Category
Football Evaluation	Material	Expert	85	Good
Evaluation of Technology and Information Media Experts			98.75	Very good
Evaluation of Physical Education Teachers			96.25	Very good
Small Scale Trial			90.95	Very good
Large Scale Trial			91.71	Very good

From the results of the average calculation of the expert assessments above, it can be described that the average value of material experts is 85% including the good category, media technology and information experts are 98.75 % very good, PJOK teacher reviews are 96.25% in the very good category, small-scale trials with a percentage value of 90.95 in the very good category and large-scale trials with 91.71 in the very good category. The purpose of the researcher is to develop audio/visual-based soccer passing learning videos for class X students of MAN 2 Palu . namely to increase students' interest in learning and increase student activity with aspects such as aids, learning atmosphere, attracting attention, conveying messages, and aspects of student willingness (Kuswoyo and Donggoroan, 2019) this is in line with the results of research conducted by simanjorang, et al. (2020) with the research title "Development of Video Tutorials for football *passing material* for PJOK subjects for class X MAN 2 Palu" where the results of the study showed a positive response stated by football material experts of 92% in the very good category, the assessment given by learning media

experts 93% in the very good category, and learning design experts with a percentage value of 93% which is also included in the very good category.

The data above shows that the development of learning videos on variations of football passing can be accepted and applied to students in schools because it has a good influence on improving students' learning abilities . This is proven by the fact that students can actively participate in a different learning atmosphere than usual.

Table 2. Conversion of Achievement Levels with a 5-point Scale

NO	Achievement	Qualification
Level		
1	90%-100%	Very good
2	75%-89%	Good
3	65%-74%	Enough
4	55-64%	Not enough
5	0%-54%	Very less

Source; Simanjorang, et al. (2020)

Based on the t-test table using *paired two sample for means* that has been done, it can be seen that there is a significant influence between the pretest and posttest data where the sample was tested before and after being given a service training treatment using a pecing pad. The table shows the results of $P (T \leq t)$ two-tail, namely 0.000000016456778370 <0.05. The two data groups have a mean difference of 1.09875 . Judging from the results of the study, it can be seen that the service training method using a pecing pad is an effective training method to improve the ability of sepak takraw athletes at Tadulako University, Palu in serving in sepak takraw games. This is in line with research conducted by (Hanafi, 2020) with the results of the study stating that the ability of each individual after being given a service speed treatment using a pecing pad can increase the speed of sepak takraw service.

It is also seen that when doing service speed training using pecing pad each individual can vary the speed training when serving. In addition to varying the speed training, athletes can also adjust their rhythm when serving and adjust the service placement according to the opponent's weaknesses. So that it is very appropriate to the situation during the game where athletes must be able to control the ball when serving so that they can control slow, medium or fast balls.

Conclusions

Based on the Analysis of Research Results and the discussion that has been explained in detail above, it can be concluded that, the video product of football *passing variations* in class X students of MAN 2 Palu can increase students' interest and learning activity in football passing learning. With expert assessments and the results of small and large scale trials with an average value of Very Good. So this product can be used for PJOK learning for class X students of Man 2 Palu.

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