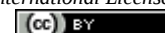


Development of VideoScribe Media on the Topic of the Importance of the Position and Function of Pancasila in State Life for Grade VIII Students at SMPN 14 Palangka Raya

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ABSTRACT

The objective of this study was to develop VideoScribe instructional media covering the topic of the importance of the position and function of Pancasila in state life for eighth-grade students at SMP Negeri 14 Palangka Raya, as well as to identify the strengths and weaknesses of the development process. This study employed the Research and Development (R&D) method. The researcher utilized the Borg and Gall development model to create YouTube-based learning media, proceeding through stages of validation, field testing, and revision. The study was conducted at SMPN 14 Palangka Raya. The developed learning media was deemed valid and suitable for use based on evaluations by subject matter experts and media experts. The assessment of material experts produced an average score of 26.5 which is categorized as very good, while the assessment of media experts produced an average score of 38 which is categorized as very good. The average of the two scores is 32.25, which is included in the very good category, thus, the VideoScribe media is declared valid. The VideoScribe learning media addressing the position and function of Pancasila in state life is classified as highly suitable media.

1. Introduction

Instructional media plays a vital role in the learning process, serving as a tool for teachers to facilitate classroom instruction [1], [2]. Media encompasses any form or channel used to convey or transmit information. Instructional media refers to any resource used to transmit messages from sender to receiver in a way that stimulates the thoughts, feelings, attention, interest, and motivation of learners, thereby enabling an effective learning process aimed at achieving educational goals [3], [4].

Many factors influence the achievement of learning objectives, including educators, learners, the environment, teaching methods, and instructional media [5], [6]. To create an effective and innovative learning process, educators must present material in a way that fosters critical thinking among students; this prevents lessons from becoming monotonous or tedious factors that can otherwise hinder the optimization of teaching and learning [7], [8]. In this context, innovative learning refers to instruction designed by teachers based on novel ideas, intended to facilitate student progress in the learning process and improve learning outcomes or academic achievement [9], [10]. The learning process becomes effective and

successful when integrated with innovative instructional media.

Given the need to improve the quality of instructional media at SMPN 14 Palangka Raya, it is essential to utilize media that captures student interest and encourages active participation in the teaching-learning process. One alternative to overcome problems that is suitable for PPKn subject content is to use innovative learning media. Consequently, the researcher has chosen to develop VideoScribe-based media. Besides that, one solution to overcome conditions like the current one is that it is very necessary to develop learning media that can make it easier for students to learn independently in the form of videoscribe media.

VideoScribe is software used to easily create engaging animated videos featuring a white background. It was developed in 2012 by Sparkol, a UK-based company. Creating educational videos is very simple with VideoScribe. It serves as an instructional medium that offers a direct experience via computer and the internet, while also integrating various media elements such as text, audio, and animation [11], [12].

Instructional media refers to any means used to convey a message from a sender to a receiver in a way that

stimulates the learners' thoughts, feelings, attention, interest, and willingness to learn, thereby facilitating a learning process that effectively achieves educational goals. The learning process involves interaction between the teacher and students aimed at attaining learning objectives. These objectives are achieved when students respond positively during the learning process [13], [14].

This study focuses on developing VideoScribe-based media for the topic of recognizing the importance of the position and function of Pancasila in the life of the nation and state. From the results of the initial survey, the author conducted a short interview regarding the use of videoscribe media on the material on realizing the importance of the position and function of Pancasila in national life. PPKn teachers still do not use videoscribe media in PPKn learning, especially on the material on realizing the importance of the position and function of Pancasila in national life. Teachers always use lecture methods and assignments to students in every class meeting.

The objective of developing this VideoScribe learning media is to increase student enjoyment and enhance their understanding of the subject matter. A key advantage of VideoScribe media is that it moves beyond static text by incorporating moving images to boost learning enthusiasm, thereby encouraging greater student engagement during the learning process. Thus, the researcher initiated a study entitled Development of

videoscribe media on the material of realizing the importance of the position and function of Pancasila in national life in class VIII of SMP Negeri 14 Palangka Raya.

2. Research Method

This study employs the Research and Development (R&D) method. R&D is a process or set of steps for developing a new product or refining an existing one in a manner that ensures its validity and reliability [15]. In this study, the researcher utilized the Borg and Gall development model to produce YouTube-based learning media that underwent stages of validation, field testing, and revision. Data analysis involved the systematic process of organizing and examining data obtained from interviews, field notes, and documentation. The study was conducted at SMPN 14 Palangka Raya.

3. Result and Discussion

In developing the VideoScribe media, the author employed the Borg and Gall model, comprising six steps: analysis, preparation for needs analysis, data collection from specific teachers and students, initial product development, preliminary media design and preparation of facilities and infrastructure, and validation of the initial product design (by subject matter and media experts). The VideoScribe development phase is outlined in the storyboard presented in Table 1.

Table 1. Storyboard for the VideoScribe development phase

Description	Video visualization	Narration	Time (seconds)	Location	Background sound
Video opening screen		An opening sentence appears at the start of the video	00:03	White background	Relaxation music
Video introductory screen		The opening screen of the video displays the title Recognizing the Importance of the Position and Function of Pancasila in State Life	00:15	White background	Relaxation music
Screen showing content on the importance of the position and function of Pancasila in state life		Explanation of core competencies and basic competencies	00:41	White background	Relaxation music

Screen showing illustrative examples of the material within the media		Examples of the 5 precepts can be applied in everyday life	01:35	White background	Relaxation music
Video closing screen		Video outro display	06:33	White background	Relaxation music

The first step in this research involved a problem analysis, comprising a needs analysis, a curriculum analysis, and an analysis of student characteristics. For the needs analysis, the researcher conducted an unstructured interview with the Civics (PPKn) teacher at SMPN 14 Palangka Raya on March 8, 2023. Subsequently, the researcher performed a curriculum analysis based on the Core Competencies (KI) and Basic Competencies (KD) of the 2013 Curriculum, followed by an analysis of student characteristics.

Next came the data collection stage, where the researcher gathered images, content, text, and music for the animated video. Once collected, the researcher combined these elements and added voiceovers tailored to the video's content. The following stage was product design; the researcher first created a storyboard to facilitate the video's production. This was followed by designing the video's structure, including the opening, the main content, and the closing. The opening design featured the title and images aligned with the theme. For the content section, the researcher designed slides containing explanatory text, followed by slides providing examples of the material, and finally, the closing section.

The subsequent stage was design validation, aimed at determining the feasibility of developing VideoScribe media regarding the topic of "The Importance of the Position and Function of Pancasila in State Life" for Grade VIII students at SMPN 14 Palangka Raya. Assessments were conducted by two experts: a subject matter expert and a media expert. Following the validation process, the researcher obtained scores from each validator.

3.1. Subject matter expert validation

The material expert assessment was conducted by validator 1, a lecturer from the Civics Study Program at Palangka Raya University, and validator 2, a Civics teacher at SMPN 14 Palangka Raya. The assessments provided by the validators are presented in Table 2.

Table 2. The assessments provided by the validators

Total Value	Server
Validator I	28
Validator II	25
Average Score	26.5

The average score awarded by the two validators regarding the content of the media was 26.5. Thus, the media from the material review is included in the very good category. Even though it is in the very good category, the validator provides a little input on the media to improve the media to make it even better.

3.2. Media expert validation

The media expert assessment was conducted by Validator 1 (a lecturer in the Civics Education Study Program at the University of Palangka Raya) and Validator 2 (a Civics Education teacher at SMPN 14 Palangka Raya). The results of the media expert validation are presented in Table 3.

Table 3. The results of the media expert validation

total value	Server
Validator I	40
Validator II	36
Rata- Rata Nilai	38

Based on Table 3, the average score awarded by the two validators for the media was 38, placing it in the very good category. Although it fell into this category, the validators offered some suggestions for further improvement. Specifically, they recommended adjustments to the layout and advised increasing the volume of the voiceover while adding greater emphasis to the intonation.

3.3. Discussion

Based on the results of the validation by material experts and validation by media experts in terms of developing videoscribe media, the results of the media validation assessment are presented in Table 4.

Table 4. VideoScribe Media Validation Assessment Results

Validator	Average Rating	Kriteria
Ahli Materi	26,5	Sangat Baik
Ahli Media	38	Sangat Baik
Rata- Rata	32,25	Sangat Baik

The assessment of material experts obtained an average rating of 26.5 in the very good category, while the assessment of media experts obtained an average of 38 in the very good category. The two assessments were then averaged to obtain an average of 32.25, which is included in the very good category. consequently, the VideoScribe media was deemed valid.

The table above shows that the highest score was obtained from the media expert validation, with a result of 38% (categorized as very good). This indicates that the development of the VideoScribe medium covering the topic of the importance of Pancasila's position and function in state life for Grade VIII students at SMPN 14 Palangka Raya has met one of the success criteria. Furthermore, the subject matter expert validation yielded a result of 26.5% (categorized as very good), indicating that the development of the VideoScribe medium for this topic has also met one of the success criteria.

The media expert validation resulted in an average rating of 32.25, falling into the very good category; consequently, the VideoScribe medium was deemed valid and suitable for trial. The next stage involved product testing, specifically a limited trial conducted with 24 Grade VIII students at SMPN 14 Palangka Raya. This stage utilized a student response questionnaire covering three aspects regarding the developed VideoScribe medium: the learning media aspect, the subject matter aspect, and the benefit aspect.

The learning media aspect received a score of 232 and a final value of 9, placing it in the very good category, this indicates a highly positive response to visual elements such as images, text, colors, and music. Regarding the subject matter presentation aspect, the student response yielded a score of 511 and a final value of 21, falling into the good category, this demonstrates that the material presented by the researcher was excellent and easily understood by the students. Finally, the benefit aspect received a score of 253 and a final value of 10, placing it in the very good category, which indicates that students enjoyed the experience and were enthusiastic while watching the VideoScribe presentation. The limited trial of the VideoScribe medium achieved a total score of 40 and a final value of 13, falling into the very good category, thereby demonstrating a highly positive student response to the learning process using VideoScribe.

The preceding discussion indicates that the use of VideoScribe media for the topic regarding the importance of the position and function of Pancasila in state life is deemed suitable and received a very good

rating in student feedback. Instruction utilizing VideoScribe-based media elicited a positive response from students, as the tool creates a relaxed learning atmosphere and alleviates classroom boredom, thereby enabling students to engage effectively with the lesson [16], [17]. Students perceived the use of VideoScribe as unique and engaging, noting that it helped improve their learning outcomes [18], [19].

4. Conclusion

The product developed is a learning medium created using the VideoScribe application. This learning video contains material and example questions complete with solutions to make it easier for students to understand the material. The videos also feature animations to enhance student interest and motivation during the learning process. Based on evaluations by subject matter and media experts, the developed learning medium was deemed valid and suitable for use. The assessment of material experts obtained an average rating of 26.5 in the very good category, while the assessment of media experts obtained an average of 38 in the very good category. Averaging these two scores produced a mean of 32.25, falling into the very good category; consequently, the VideoScribe medium was declared valid. Thus, the learning media in the form of videoscribe on the material on realizing the importance of the position and function of Pancasila in national life is in the very appropriate category.

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