

Validity of Google Sites -Based Learning Media to Increase Students' Learning Motivation in Class 5 PPKN Lessons In Elementary Schools

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ABSTRACT : Development of learning media based on the Google Sites website to increase student learning motivation in grade 5 PPKN lessons in elementary schools and to determine the validity of developing learning media based on the Google Sites website to increase student learning motivation in grade 5 PPKN lessons in elementary schools. This type of research is development research (Research and Development) which is used to produce certain products and test the feasibility of the products that have been developed. The development model used in this research is ASSURE (Analyze Learners, State Objectives, Select Methods, Media, and Materials, Utilize Media and Materials, Require Learner Participation, and Evaluate and Revise.). The research results of the development of learning media based on the Google Sites website to increase student learning motivation in grade 5 PPKN lessons in elementary schools have been developed and are suitable for use in field trials because media expert validation obtained an average percentage of 95%. Meanwhile, material experts obtained a percentage of 97%. Furthermore, from the questionnaire, class V teacher responses obtained a percentage of 98% and student responses obtained a percentage of 90%. Based on the research results, it can be concluded that the development of learning media based on the Google Sites website is included in the "Very Suitable" category and is suitable for use in the learning process.

Keywords – Website, Google Sites, Learning Media, ASSURE

I. INTRODUCTION

The development of technology in the era of the 4.0 revolution has increased significantly, affecting all aspects including the world of education. As the world becomes increasingly interconnected and reliant on digital innovation, the role of technology in education has emerged as a pivotal driver of transformative learning experiences [1]. The world of education must be adapted to science and technological developments in the implementation of teaching and learning activities, one of which is a change in learning methods. Therefore, utilizing the internet as a learning medium is very important to create good and quality education (Andayani, 2024).

The use of technology is in line with the Independent Curriculum applied in education in Indonesia, namely the use of technology in learning activities will make students a learning center or student center that requires students to be more active, critical, creative, and innovative in learning activities and be able to explore information. The rapid advancement of Information and Communication Technologies (ICT) in recent decades has paved the way for the widespread adoption of digital learning tools across educational institutions

worldwide. [2] In addition, the usage of technology in teaching and learning process can develop students and teachers' ability and performance.

The Independent Curriculum is an innovation in the field of education introduced by the Ministry of Education, Culture, Research, and Technology (*Kemendikbudristek*). "The concept of the Independent Curriculum aims to give schools the freedom to design a curriculum that suits the needs and characteristics of students in their environment. Thus, each school can develop a more relevant and effective curriculum in achieving educational goals" [3].

In the Independent Curriculum, there is one lesson, namely Pendidikan Pancasila dan Kewarganegaraan (PPKn)/*Pancasila* and Civic Education. PPKn as part of Indonesian Five Basic Principles in elementary school is one of the subjects that aims to form character and national values in students from an early age. The material taught in the PPKn lesson includes an understanding of *Pancasila* as the basis of the state, the noble values of the Indonesian nation, the history of the struggle for independence, and ethics and morals in community life.

"Pancasila education in elementary schools plays an important role in shaping character and instilling national values in students. This subject aims to equip students with the moral, ethical, and nationalist values necessary to become good citizens." [4]. However, the challenge faced is the conventional teaching method that is less interesting and interactive, which often leads to low student motivation to learn [5].

Thus, PPKn lessons in elementary school have a very important role in shaping students' character as good and cultured citizens. Through an early understanding of Pancasila values, it is hoped that students can grow into individuals who have high moral awareness and are able to play an active role in advancing the nation and state. However, in the learning process of Pancasila Education, there are still challenges in increasing student learning motivation.

According to Puspitarini & Hanif Learning is an activity undertaken with the aim of acquiring knowledge, mastering certain competencies and forming student attitudes [5]. It can motivate someone or individual to be better, without motivation to learn, a student will not learn and consequently will not achieve learning success. Success or failure in learning is determined by the level of motivation, and learning without motivation is difficult to achieve".

Increasing student learning motivation at the 5th grade elementary school (SD) level is very important in the educational process. High learning motivation will help students to be more focused, excited, and diligent in studying the subject matter. However, often students at the elementary level experience challenges in maintaining their motivation to learn, especially when they feel bored or not interested in the material presented.

In facing this challenge, the use of innovative and interesting learning methods is one of the effective solutions. By utilizing interactive and fun learning media, it is hoped that students can be more motivated to learn. In addition, the use of technology in learning can also provide a more interesting and relevant learning experience to students' daily lives.

Based on the results of interviews in December 2024 with UPT teachers of SD Negeri Maindu 2 Tuban East Java Indonesia, the learning media used in schools is not supportive for learning. Students only rely on student worksheets (LKS) and textbooks so they need learning media that can be used both during online and offline learning. Based on these problems, the right learning media is needed to support learning at this time, including websites using Google sites [6].

In the current digital era and globalization, the use of website-based learning media using google sites is one of the effective solutions to increase students' learning motivation in understanding PPKn material. With the existence of a learning website, students can access subject matter anytime and anywhere according to their needs [7]. In addition, the interactive and multimedia features provided by the learning website can make learning more interesting and fun for students.

Therefore, the development of web-based learning media using google sites for 5th grade elementary school students is considered necessary to increase their motivation to learn. With the existence of interactive, visual, and easily accessible learning media through the website, it is hoped that students will be more involved in the learning process and feel more motivated to develop their understanding of various subjects, especially the subject of Pancasila Education.

Based on this background, the researcher wants to develop a Website-Based Learning Media Using Google Sites to Increase the Learning Motivation of PPKn Subject Students in Elementary Schools.

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II. RESEARCH METHOD

This research uses a type of research, namely research and development. This research method is used to create certain products and test the effectiveness of the products developed. To be able to produce a product that is used by the wider community, with this research is needed to test its practicality [8]. The development model used in this study ASSURE (Analyze Learners, State Objectives, Select Methods, Media, and Materials, Utilize Media and Materials, Require Learner Participation, and Evaluate & Revise.)

This research was carried out at UPT SD Negeri Maindu 2 with the research subject, namely 5th grade students totaling 8 students. The object of the research is the development of learning media based on the Google Sites Website in PPKN phase C "Pancasila Values" which contains material on the stages of human growth.

The data collection instrument used in this study is a questionnaire. The research questionnaire contains a number of written questions given to respondents to obtain information related to the research that has been conducted. The research questionnaire also serves to find out the results of the validation of media and material experts as well as the responses of teachers and students, namely by providing a checklist in the column that has been provided on the questionnaire sheet. The data from media experts, material experts, teacher responses, and students were calculated with the Likert scale formula. The following is the formula for the Likert scale:

$$\text{Percentage} = \frac{\text{Score Total}}{\text{Score Ideal}} \times 100\%$$

The collected data can be analyzed by calculating the average score obtained. The score guidelines in table 1 are as follows:

Qualification	Score
Very Suitable (VS)	4
Suitable (S)	3
Not Suitable (NS)	2
Not Very Suitable (NVS)	1

After the researcher gets the percentage number and then changes it in qualitative sentences to see the validity of the learning media that has been developed, it can be seen in table 2 as follows:

Table 2 Range Percentage dan Qualitative Criterion

Score Range	Qualification
76%-100%	Very Suitable (VS)
51%-75%	Suitable (S)
26%-50%	Not Suitable (TS)
0%-25%	Not Very Suitable (NVS)

Based on table 2, it can be seen that the determination of product success indicators through assessments from media experts and learning materials as well as from teacher and student responses can be said to be valid or feasible to use if the results are obtained in the percentage range of 76%-100% with the category of "Very Suitable" and the percentage range of 51%-75% with the category of "Suitable".

III. RESEARCH RESULTS AND DISCUSSION

The results of this research and development are in the form of the development of learning media based on the google sites website in the PPKN phase C class 5 lesson which contains the material "Pancasila Values". Learning media is developed using a google sites-based website.

The ASSURE model is one of the learning media development models that can help teachers for the benefit of learning in the classroom in combining types of learning media. The ASSURE model contributes to learning so that students are interested in learning and not boring. The process of developing ASSURE-based learning media involves all parties such as teachers in creating and implementing media, students play a role in the application of media so that there is reciprocity in the learning process.

According to Smaldino, the development process in ASSURE consists of several steps, namely,

1. Analyze Learner Characteristics (Analyzing the character of the student)

The first stage is to analyze the character of students before making media. Because the media must also adjust to the character of the students. According to [9] "The stage of student analysis analyzes student characteristics, mastery of competencies, and student learning styles".

2. State Standard and Objectives (Defining standards and objectives)

The stage after analyzing the student's character is to determine the goals and standards. The standards used in the development of learning media are the materials contained in learning that are in accordance with the KD that has been set. The determination of learning objectives must contain the ABCD formula, namely A = audience, B = behavior, C = conditional, and D = degree.

3. Select Methods Media, and Materials (selection of strategies, methods, media, and materials)

The next stage is the selection of methods, media, and teaching materials is carried out systematically. The process of selection goes through 3 stages, namely 1) determining the method to be used in learning in accordance with the learning objectives, 2) determining the learning media that is adjusted to the method that has been determined, 3) selecting or designing material in the form of learning media.

4. Utilize Media and Materials (Use of media and materials)

The next stage is the use of media or the application of media in the learning process to see the effectiveness of the learning media and adjust to the material that has been determined.

5. Require Learner Participation (Asking for student participation)

The next stage is to ask for the role of students in the application of learning media. The role of students is needed because in this process the development of learning media is tested at the selected elementary school.

6. Evaluate and Revise (evaluation and revision)

The last stage is evaluation and revision which aims to assess the learning media that has been developed. The assessment was carried out by media experts and material experts. The assessment is a reference for improving learning media.

After going through the ASSURE development model, the learning media is then validated. According to [10] Media can be said to be valid if it has passed the validation test stage from media experts and material experts. The validation stage is carried out in a development research because it aims to determine the validity of learning media before being tested in the field.

The following is table 3 of the validation results from media and material experts:

Tabel 3 Validator's Result			
No	Expert	Percentage %	Category
1.	Media I	94	Sangat Sesuai
2.	Media II	96	Sangat Sesuai
3.	Materi I	95	Sangat Sesuai
4.	Materi II	98	Sangat Sesuai

Based on table 3, the media developed received an assessment from validators, media and material experts. Media expert I obtained a percentage of 94% with the category "Very Suitable", media expert II obtained a percentage of 96% with the category "Very Suitable", material expert I obtained a percentage of 95% with the category "Very Suitable" and material expert II obtained a percentage of 98% with the category "Very Suitable". After obtaining the assessment obtained, it can be concluded that the learning media is suitable for testing in the field.

After validating with experts, then conducting a field trial conducted in grade 5 of UPT SD Negeri Maindu 2. As explained by [11] the purpose of conducting the practicality stage of the product that has been developed is to see the extent of product suitability and to see the level of practicality of the media can be seen by using the response questionnaire given to teachers and students to be used to see the results of the assessment given after using the product that has been developed. At the trial stage, it was carried out to find out the practicality of a learning media that had been developed by implementing it in the classroom and distributing questionnaires.

Table 4 Teacher and Student Response Result

No	Aspect	Percentage %	Category
1.	Teacher	98	Very Suitable
2.	Students	90	Very Suitable

Based on table 4 after conducting a trial in grade 5 of UPT SD Negeri Maindu 2 and conducting an assessment of the media carried out by teachers and students. In the assessment, the teacher obtained a percentage of 98% with the "Very Suitable" category and the assessment of 32 students received an average percentage score of 90% with the "Very Suitable" category. This means that the google sites website-based learning media is very feasible and effective to be used in the learning process.

Based on the results of research, this google sites website-based learning media is practical and feasible to use because it can be accessed anytime and anywhere, namely through laptops, Chromebook, or mobile phones so that students can easily learn. Through this google sites website-based learning media, students also understand the material better and are thorough when working on the questions given through the google sites website.

These results are in accordance with research conducted by [12] about "Development of Teaching Materials Based on Google Sites Website on Theme 9 Subtheme of Natural Resources Utilization in Indonesia for Grade Students IV Elementary School", from the results of the study, it is known that the validity test of

experts obtained a percentage of 96.57%, the validation test of learning design obtained a percentage of 94%, the results of validation of media experts obtained 98% and the results of practicality obtained a calculation that the mean of observation was 170.95. Therefore, from the results of this percentage, teaching materials based on the google sites website on Theme 9 Subtheme of the Utilization of Indonesia's Natural Resources for grade IV elementary school students are integrated in learning.

The google sites website learning media usage is one of the learning media that is easy to use in the learning process of elementary school students [13]. Based on the results of the analysis, it can be stated that the development of "Google Sites Website-Based Learning Media in PPKn Chapter 5 Topic C "Pancasila Values" Grade 5 UPT SD Negeri Maindu 2" can be categorized as a valid and suitable learning media for the learning process and this research is also in accordance with the stages of research and development procedures (Research and Development) using the ASSURE development model.

IV. CONCLUSION

Based on the research conducted related to the learning media that has been developed by the researcher, namely the google sites website-based learning media which contains PPKN Chapter 5 Topic C "Pancasila Values" which discusses the material of the growth stage in 5th grade humans, it can be concluded as follows:

The learning media based on the google sites website that has been developed by the researcher contains PPKN Chapter 5 Topic C "Pancasila Values" Grade 5 UPT SD Negeri Maindu 2, using the ASSURE development model by utilizing the google sites website.

The validity of learning media based on the Google Sites Website in the PPKN phase C lesson "Pancasila Values" Grade 5 UPT SD Negeri Maindu 2 received an assessment from media expert validators who obtained an average percentage score of 95% (Very Suitable). In the subject matter experts, the average percentage score was 97% (Very Suitable). Meanwhile, the results of the assessment from the teacher obtained a percentage of 98% (Very Suitable) and the students' response obtained an assessment of 90% with (Very Suitable). So that the development of Google Sites Website-Based Learning Media in PPKN Lesson phase C "Pancasila Values" Grade 5 UPT SD Negeri Maindu 2 Tuban East Java Indonesia meets the criteria for being suitable for use in the learning process.

Conflict of Interest. The authors declare that there is no conflict of interest in this study. The research was conducted independently without any external pressures that could have influenced the results or analysis.

Data Availability

The data supporting this study's findings are available upon reasonable request from the corresponding author. Due to privacy restrictions, data may not be freely shared but will be available to legitimate researchers for academic purposes.

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