

GOOGLE SITES AND GOOGLE FORM MEDIA TO IMPROVE MATHEMATICS LEARNING OUTCOMES OF CLASS VI STUDENTS OF SDN 1 SUKOJATI

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ABSTRACT

Learning media plays a very important role in the success of a teaching and learning activity. Because it has a direct impact on the student's own grades. Therefore, with proper handling, learning outcomes can be improved as much as possible. The Covid-19 pandemic is the cause of low student learning scores. According to the data analyzed from the grade book, the average is 47.67. But after using online media in the form of Google Sites and Google Forms, the student's score increased to 76.92. This shows that the use of Google Sites and Google Forms can improve student learning outcomes. Apart from that, the use of Google Sites and Google Forms can also answer learning problems during the Covid-19 pandemic. Plus it can increase creativity for teachers and students. In conclusion, Google Sites and Google Form media are alternative solutions to the problems of teaching and learning activities as long as social distancing is implemented

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Introductions

The COVID-19 pandemic that has spread throughout the world has greatly affected all aspects of human life in various countries, including our country, Indonesia. All fields are affected by the COVID-19 pandemic, starting from the economy, social, culture and even education. Therefore, all fields, including education, are forced to innovate in order to provide optimal educational services that are student-oriented to improve learning outcomes, one of which is that students' mathematics learning outcomes must remain a priority so that all students can continue to learn well. During the Covid-19 pandemic, with the implementation of social distancing, learning was required to be carried out well. Students and teachers experience many obstacles during the distance learning (PJJ) process, because they are used to learning face-to-face, even though learning can be carried out anytime and anywhere and using any media. According to Rasyad (2015), teaching media is any tool, in the form of hardware or software, which is used as a communication medium to increase the effectiveness of the teaching and learning process. Based on

the definition above, it can be concluded that teaching media are all tools used by teachers in learning as intermediaries to convey instructional materials in the teaching and learning process so as to make it easier to achieve learning goals.

The general function of teaching media according to Asnawir & Usman (2002) is (1) Tools to make it easier for students to learn and teachers to carry out learning. (2) Provide real experience. (3) Attract students' attention so that learning is not boring. (4) Activate all existing senses so that the weakness of one sense can be strengthened through other senses. (5) Generating the world of theory with reality in the field.

Mathematics lessons are known as abstract lessons, so strategies are appropriate at this time

Learning is really needed so that students can easily understand a concept or material being studied. Until now, in the learning process, most students experience difficulties when learning mathematics. This is due to several certain factors, one of which is that students think that mathematics lessons are only about memorizing formulas. According to Putra (2019), students are often required to be able to memorize formulas during the mathematics learning process. It can be seen that many students experience difficulties when working on and solving problems using formulas. With the current pandemic, students have become less active in receiving online learning, causing student learning outcomes to decline. All of this is not only due to student error but could also be due to inappropriate use of media.

It is hoped that the use of learning media will increase student interest in learning. Especially students at SDN 1 Sukojati is dominated by students who come from lower middle class families whose level of parental concern for education is still relatively low, as evidenced by the lack of parental attention to their children's learning matters. So, educators really need creativity in preparing learning media that suits teaching materials, especially Mathematics subjects.

In the current era of technology 4.0, education must be able to adapt to very rapid and sophisticated technological developments which aim to provide convenience in the implementation of education. In the current technological era, there has been a shift in learning media which is usually carried out face-to-face in the classroom directly between students and teachers to without direct face-to-face contact. One form of method that teachers can use in the teaching and learning process during a pandemic like now is using Google Sites to provide material and assign assignments via Google Form. Part of the Google G suite, one of which is Google Sites which comes in the form of an application and is a Google application in the form of a premium package that has been optimized for use by businesses, apart from that there are other applications included such as Gmail, Docs, Drive, Calendar, etc. (Munawaroh, 2022). In the world of education, Google forms can be used to provide assignments in the form of quizzes, the effectiveness of the learning process in the form of surveys, collect the results of answers to open questions and so on (Sianipar, 2019).

Based on the problem identification above, it can be concluded that the low learning outcomes of Class VI students, especially in mathematics lessons at SDN 1 Sukojati, are caused by learning media that are less innovative and less appropriate to the material presented so that the desired targets are not achieved. In order to improve student learning outcomes and achieve learning goals in mathematics subjects while trying to provide educational services during the COVID-19 pandemic which requires distance learning, teachers need to have the skills to use online learning media effectively and efficiently.

Research Method

The method used in this research is qualitative research, which is carried out by investigating, finding, describing the advantages and disadvantages of using distance learning media using Google Sites and Google Forms which cannot be explained using a quantitative approach, especially the social influence caused by . The instruments used in this research are value documents, observation sheets, and so on. Data processing techniques by collecting data, reducing data, and checking data. Data is presented in the form of descriptions and narratives in the form of words and sentences which aim to provide information so that it is easy to understand and then studied through theories from the literature used.

Result and Discussion

Result

Being creative and innovative in delivering material to students is a normal demand for teachers, so that students are interested in learning. The teacher's creativity and innovation will increase students' learning motivation, so that it will increase students' understanding of the material being taught and will automatically increase students' learning scores.

The choice of Google Sites and Google Forms in PJJ as a problem solving strategy based on social distancing policy considerations. This is done to minimize transmission of the COVID-19 virus. Apart from that, so that students can still get learning while doing PJJ, besides that, the use of Google Sites and Google Forms is a new learning activity for both teachers and students at the elementary school level. The use of information and communication technology in learning is a necessity.

Based on the considerations above, the use of Google Sites and Google Forms in learning also provides a new paradigm that learning activities can not only be carried out face to face but can be carried out using online media platforms so that the learning provided is in accordance with current developments and students can gain experience. meaningful new learning, and learning can be done anytime and anywhere without any limitations of space and time. This is a very useful experience for teachers and students.

Discussion

Stages of problem solving

Based on the problems above, in resolving the problem of low student grades which was carried out at SDN 1 Sukojati on 22 and 23 July 2020, there are several stages that can be carried out, including: Stage 1 on July 22 2020 giving assignments using Google form:

- a. Make plans
- b. Create tasks on Google Forms
- c. Students are instructed to study the material in the student textbook via the 6th grade WA group
- d. Providing a ready Google form link to students via the 6th grade WA group
- e. Students work on the questions on the Google Form link
- f. The teacher analyzes the results of the assignments that students have completed on Google Form

Stage 2 on July 23 2020 giving assignments using Google Form and material assistance via Google sites

- a. Make plans
- b. Create a summary of material on Google Sites
- c. Providing a Google Sites link via the 6th grade WA group
- d. Students study the material in the book and the Google sites link
- e. Create tasks on Google Forms
- e. Providing a ready Google form link to students via the 6th grade WA group
- g. Students work on the questions on the Google Form link
- f. The teacher analyzes the results of the assignments that students have completed on Google Form

The results achieved

According to the data obtained, before using Google Sites learning media, the average score of class VI students in mathematics was 47.67. But after using Google Sites and Google Form media the average value was 76.92. A quite significant improvement. Apart from that, as expected at the beginning, using Google Sites and Google Forms will achieve the following results:

1. Increased student interest in learning
2. Increased student learning outcomes.
3. Innovative learning
4. Increase creativity, both teachers and students

Obstacles encountered

Although in general the use of media has many positive values, there are still obstacles, namely among others:

1. Not all students are able to access the internet
2. Students have difficulty finding references on the internet other than the study material on Google sites.
3. Teacher creativity and tenacity to prepare interesting content

Supporting Factors

Some supporting factors that are certainly beneficial are:

1. Availability of data package assistance from the government
2. Availability of easy WiFi access
3. Support from all students and the teacher council in creating media on Google sites and Google forms.

Development Alternatives

Based on the experience of the learning that has been carried out, so that the results achieved are more optimal and the obstacles faced can be minimized, in the future the media that has been implemented can be developed with the following alternatives.

1. Modify the media to make it even more interesting
2. Apply in other lessons, of course adapting to the material
3. Implementing it in other schools mediated by the KKG.

Conclusion

According to the data analyzed in the grade book, the average was 47.67, but after using online media in the form of Google Sites and Google Forms, the student's score increased to 76.92. This shows that the use of Google Sites and Google Forms can improve student learning outcomes. Apart from that, the use of Google Sites and Google Forms can also answer learning problems during the Covid-19 pandemic. Plus it can increase creativity for teachers and students. Based on the problem solving stages above, it can be concluded that:

1. The use of Google Sites and Google Form media can increase students' interest in learning
2. The use of Google Sites and Google Form media can improve student learning outcomes
3. The use of Google Sites and Google Form media is able to provide innovative learning
4. The use of Google Sites and Google Form media can increase teacher creativity
5. The use of Google Sites and Google Form media can increase student creativity.

Recommendation

Based on the lessons learned during the COVID-19 pandemic, the following recommendations can be made in this case:

1. The use of Google Sites and Google Forms needs to be improved to achieve optimal student understanding and learning outcomes.
2. Teachers of other subjects need to innovate in learning and create teaching aids to increase students' understanding of the material being taught.
3. It is necessary to create Google Sites and Google Form media in other, more varied forms

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