



The Effectiveness of Online Examination Based on Google Form on Art Culture Class Students Subject in SMP Negeri 2 Baranti

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Abstract— This study is to determine the effectiveness of google form-based online exams in cultural arts subjects of seventh grade students of SMP Negeri 2 Baranti, Sidenreng Rappang Regency. The population of this study were all seventh grade students of SMP Negeri 2 Baranti, Sidenreng Rappang Regency, a total of 137 people, and the sample taken was 28 people, and this study used non-probability sampling. The data collection techniques used were observation techniques, documentation techniques and questionnaire techniques. The effectiveness indicators in this study are based on Sinambella's theory, the three effectiveness indicators are: learning completeness, timeliness, and student response. Testing the research hypothesis, data analysis obtained a percentage of 85% ability for learning completeness, timeliness is said to be effective because the time given is sufficient for taking the exam and for the student response obtained 100% results this can be seen from the completion of the exam and the questionnaire that has been distributed link. Based on the results of this study, it shows that the effectiveness of Google Form-based online exams in cultural arts subjects for seventh grade students of SMP Negeri 2 Baranti, Sidenreng Rappang Regency in the 2022/2023 school year "is declared effective

Keywords— Effectiveness, Online Exam, Google Forms

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I. INTRODUCTION

Education is an important component in a country, even a country can be assessed depending on the quality of education implemented, in a country if the quality of education is good then the country will develop well and even be said to be advanced, but if the education system is still not optimal then it is impossible for the country to develop well it will even be far from the word developed countries (Mishra et al., 2020). Education has a very important role in the progress of a nation and state, both developed and developing countries like Indonesia.

Article 1 paragraph (1) of Law Number 20 of 2003 concerning the National Education System states:

Education is a conscious and planned effort to create a learning atmosphere and learning process so that students actively develop their potential to have religious spiritual strength, self-control, personality, intelligence, noble character, and the skills needed by themselves, society, nation and state. In education there is a learning process to be pursued which is very important and can even determine the success of an education (Tsai & Hung, 2019). The teaching and learning process is an activity that involves the interaction of teachers with students, students with other students to achieve certain goals.

Utilizing student online exams can adapt to technological developments, save a budget. Of course, we need to duplicate question sheets and answer sheets for exams (Shraim, 2019). Simplify the pre- and post-exam preparation process by using our online exam application. You only need to input questions to the server once (Wang et al., 2019). all students can take exams, it's easier for students to do exams, exam results are faster and more accurate, and preserve the earth because by reducing paper use and switching to using online exam applications, it means we have helped preserve the environment .

The purpose of implementing evaluation in learning is to determine the level of students' ownership and understanding of the subject matter, both in cognitive, psychomotor and effective aspects. Based on this explanation (Niu, 2019), learning evaluation is an assessment of educational performance that has been running in order to obtain

information that will later be used to improve things that really need to be improved on educational performance (Usman, Andi Sadapotto, 2021).

Google Form is a component of the Google Docs Service as a learning process assessment tool to support the use of paper-saving programs as a form of environmental protection (Sohib, 2021).

So in this study the researcher was interested in raising the title "Effectiveness of Google Form- Based Online Examination in the Subject of Cultural Arts for Class VII Students of Baranti 2 Junior High School, Sidenreng Rappang Regency" (Guthold et al., 2020). Where later it is desired to use an online exam based on Google Form will really help the effectiveness of learning methods (Al-Dababneh & Al-Zboon, 2022). Problem Formulation .Based on the background of the problems above, the problem can be formulated as follows: what is the effectiveness of the google form-based online exam in the art and culture subject for class VII students of SMP Negeri 2 Baranti, Sidenreng Rappang Regency? Research Objectives. Based on the formulation of the problem described above, the research objectives to be achieved in this study are as follows: to determine the effectiveness of Google Form- based online exams in the subject of cultural arts for class VII students of SMP Negeri 2 Baranti, Sidenreng Rappang Regency.

Research Benefits

The results of this research are expected to be able to broaden scientific insights and be able to develop a mindset in developing evaluation tools using the Google Form web .

Practically

Increase students' interest in learning enthusiasm because of the convenience obtained in the learning process.

As a practical test tool

Students will find it easier to understand Do the exams given while collecting data neatly and in real time.

For Researchers

Can add scientific insight in particular, so can increase broader knowledge, both theoretically and practically as well as reference material for further research regarding the results of online exams for Google Form- based students and also researchers can use after becoming educators.

II. LITERATURE REVIEW

Effectiveness

In general, it is a requirement to show the degree of performance in line with the achievement of previously planned quality, quantity and time objectives (Ngwenya, 2020). Learning effectiveness is a learning product and a benchmark for the progress of interaction in achieving learning goals between students and teachers (Kennedy et al., 2021). Learning outcomes can be seen when student activities take place, student responses to learning and understanding of concepts by students.

Some indicators of learning effectiveness:

Achievement of test completeness.

Achievement of the effectiveness of student activities (namely achieving the ideal time used by students to carry out activities contained in the lesson plan.

Achievement of the effectiveness of the teacher's ability to manage learning and student responses to positive learning.

Standard indicators that students must achieve from:

Achievement of student exam completeness 75.

The time needed in each meeting is 30 x 40 minutes (120 minutes).

Google Form- based exams can be seen from the total number of students who filled out the questionnaire provided.

Exam

The purpose of learning assessment is to be able to find out the effectiveness and efficiency of each end of learning. Therefore, through exams, the teaching and learning process of teachers and lecturers will find deficiencies in objectives, materials, methods, media, learning resources, environment and the evaluation system itself (Azis & Shalihah, 2020). According to Zaenal Arifin in (Purwati & Nugroho, 2018). Evaluation functions to understand the position of students, understand the level of preparation of students to participate in the program, make it easier for teachers to provide guidance, and report student progress.

Online Exam

Online test is an exam or evaluation that is carried out remotely via the internet (Reid et al., 2019) .

Online exam applications are a more conventional solution that is ongoing (Purba & Yunasdi, 2021)

Google Forms

Google Form is an application that can be used separately, not solely for the purpose of getting user information in the form of templates or worksheets (Mithun et al., 2021). This software operates on initial storage for Google Drive and other applications, such as Google Sheets (Dewantara & Dibia, 2021), Google Docs and other satisfactions

III. RESEARCH METHODS

This research uses a quantitative approach, while the type of research used is descriptive research. Descriptive research is research that provides a more structured description of a problem based on existing data, presents data, analyzes, and interprets.

The type of variable used in this study is one variable to measure the effectiveness of Google Form in the subject of Cultural Arts class VII students of Baranti 2 Junior High School, Sidenreng Rappang Regency.

Population and Sample

Population

To obtain the data in this study required a research object called the population (Barredo Arrieta et al., 2020). In this study, the population is something that is important and absolute, because the population is the data obtained by the variables observed by the researcher (Lebreton & Andrady, 2019). Based on the problems in this study, the population is all class VII students of SMP Negeri 2 Baranti, Sidenreng Rappang Regency and the 2022/2023 academic year totals 137. The details can be seen as follows:

Table 3.1 State of the Population

No	Class	Amount Population
1	VII.A	27
2	VII.B	27
3	VII.C	27
4	VII.D	28
5	VII.E	28
Amount		137

Source: School Administration

Sample

Saturated Sampling is used in this sampling method. When all members of the population are used as a sample, saturated sampling is a method of evaluating the sample (West et al., 2019). This is done if the population is not large, does not exceed 30 students, or if there are few errors in the research to be generalized (Sugiyono, 2018). As for the samples in this study were students of class VII.D (González-Howard & McNeill, 2019). The sample was taken randomly according to the Cultural Arts subject which was the focus of the subjects in this study.

Data collection techniques that researchers want to collect will depend on the formulation of the problem and hypothesis (Valdivia, 2019). Based on this, in this study used three kinds of data collection techniques, namely:

Observation Techniques

According to Sugiyono in (Arsyad et al., 2021) conveying that observation is a full process of different biological and psychological processes, an organized process (Hattingh et al., 2019). Mechanisms of perception and memory are of paramount importance in the practice of observation (Distefano et al., 2019). This approach is used when there are not many participants studying human action, work processes, natural phenomena and responses. Researchers will observe how students perform online exams in this report.

Documentation Techniques

This documentation technique is used to obtain data about the state of the research population and also to obtain information about the time set in the learning process and when the exam takes place (Kaur et al., 2019). This is necessary in order to find out whether the time specified in the exam, namely 60 minutes, can be used properly (Marré & Rupasingha, 2020). If this time can be used properly then it has fulfilled one of the indicators of learning effectiveness.

Questionnaire Technique

The data collection technique uses a questionnaire as the main instrument in collecting data in the field (Madaling & Harun, 2019). The questionnaire is a data collection method that is carried out by asking the informant a series of questions or written statements and the person being interviewed fills out a questionnaire according to his

own feelings (Solihudin JH 2018).

Data analysis technique

Giving marks to students is done by adding up the scores obtained from each part of the study divided by the total score, then multiplied by 100. The data analysis technique used in this research is descriptive statistical technique. The ability criterion set is 75%, above 75% learning completeness is declared successful or reaches the criteria.

The formula used in data processing is as follows:

$$P = \frac{F}{N} \times 100\%$$

Information:

P = Percentage

F = Frequency with the highest score of 75 and above

N = Number of students in the sample

III. RESULTS AND DISCUSSION

The results of this study were conducted at Baranti 2 Junior High School, Sidenreng Rappang Regency, which is located on Jl. Education No. 7 Panreng, Panreng Village, Baranti District, Sidenreng Rappang Regency, South Sulawesi Province. This research took place from February 28 to April 25, 2023. The data obtained in this study were data collected from online Google Form- based exam tests given by class VII.D students at SMP Negeri 2 Baranti, Sidenreng Rappang Regency.

From the results of research conducted using documentation and questionnaires as data collection materials based on indicators of the effectiveness of Sinambella, namely: exam completeness, timeliness and student responses.

Exam Completeness

Google Form learning completeness criteria for the results of the Cultural Arts Test for Class VII.D Students of Baranti 2 Junior High School, Sidenreng Rappang Regency, the data will be analyzed using the following formula:

$$P = \frac{F}{N} \times 100\%$$

Information:

P = Percentage

F = Frequency with the highest score of 75 and above

N = Number of students in the sample

Then the solution:

$$P = \frac{24}{28} \times 100\% \\ = \frac{2400}{28} \\ = 85\%$$

Punctuality

The time studied here is how class VII.D students at Baranti 2 Junior High School, Sidenreng Rappang Regency, used the allotted time to solve the questions given by the teacher during the exam process using Google Form media (Abu-Raddad et al., 2021). The time set for the exam is 2 x 45 minutes or one meeting and in the last minute students are given the task of filling out a questionnaire regarding student responses to online exams based on Google Form (Kucharski et al., 2020). Each school has a policy in determining the time when carrying out the exam depending on the existing conditions. The exam process is carried out online, so the teacher provides enough time for all students to take the exam process, because students often have complaints about network constraints. Therefore, the time allocation that has been determined during the Google Form-based online exam starts at 08:40 – 10:10, which will be held on Thursday, March 16, 2023.

Student Response

The student's response is behavior that is born as a result of the inclusion of a stimulus given by the teacher to him or a response to learn something with a feeling of pleasure. Therefore, the student's response is one of the important factors that determines the success of the examination in the art and culture subject for class VII.D, Baranti 2 Junior High School, Sidenreng Rappang Regency. This student response can be seen from the percentage of questionnaires that students have worked on and the exams that have been done by students. This percentage is calculated using the formula according to Sugiyono (2008).

$$P = f/n \times 100$$

Information:

P = Percentage

F = Frequency of each questionnaire answer

N = Number of Respondents

Then the solution:

$$P = \frac{28}{28} \times 100 \\ = 100\%$$

This research was conducted with the aim of knowing the effectiveness of Google Form-based online exams in the arts and culture subject for class VII.D students of Baranti 2 Junior High School, Sidenreng Rappang Regency (Hwangbo et al., 2019). This research was conducted at Baranti 2 Junior High School (De Martel et al., 2020), Sidenreng Rappang Regency, based on the values obtained from the results of this study, it showed that the learning achievement of arts and culture for class VII.D students of Baranti 2 Junior High School, Sidenreng Rappang Regency, was better and the results of this assessment can be seen from the test scores student.

Based on the results above, it can be concluded that the hypothesis which states that: "The effectiveness of Google Form-based online exams in the arts and culture subject for class VII.D SMP Negeri 2 Baranti, Sidenreng Rappang Regency for the 2022/2023 academic year" is declared accepted.

The Google Form-based online exam is ineffective in the arts and culture subject for class VII.D students of Baranti 2 Junior High School, Sidenreng Rappang Regency for the 2022/2023 academic year" was declared rejected.

IV. CONCLUSION

Research that has been conducted in class VII.D of Baranti 2 Junior High School, Sidenreng Rappang Regency using online Google Form based on cultural arts subjects has obtained the results of the discussion. Based on the results and discussion, the following conclusions are obtained:

Testing the research hypothesis of data analysis obtained a percentage of 85% ability for learning completeness, timeliness was said to be effective because the time given was sufficient to carry out the exam, and student responses obtained 100% results. The results of this study indicate that the Google Form-based online exam in the subject of cultural arts for class VII.D students of Baranti 2 Junior High School, Sidenreng Rappang Regency for the 2022/2023 academic year is declared effective.

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