

The Effectiveness of Applying Google Classroom to Student Learning Outcomes

Ida Farida¹ Aquinas Thomasson²

Pancasila and Citizenship Education Study Program, Faculty of Teacher Training and Education, Sultan Ageng Tirtayasa University, Serang Regency, Banten Province, Indonesia¹
Far Eastern University, Philippines²

Email: 2286210017@untirta.ac.id¹ thomasaquinas@gmail.com²

Abstract

In the midst of a very broad development of globalization among today's society, technological developments have made technological developments. Therefore, with the density of technological developments as it is today, it creates a lot of applications that can be used for activities in the learning process, for example, such as Google Meet, Zoom, Kahoot, Quizz, Google Class. The main problem in this study is whether the application of Google Classroom learning applications on learning outcomes in class XI students of SMAN 1 CIKANDE. This study aims to describe and explain the effectiveness of learning by applying the Google Classroom learning application to the learning outcomes of class XI students of SMAN 1 CIKANDE. This type of research is through a Quantitative Survey approach or questionnaire. The results of descriptive analysis show that the achievement of student learning outcomes can be seen Regarding the Google Classroom Learning Application Making it Easy for Students in Learning Category Agree obtained a percentage of 56%, while for Learning Outcomes More Effective Using the Google Classroom Application, Category Agree to obtain a percentage of 66%. Based on this description, the effectiveness of the use of the Google classroom learning application on the learning outcomes of class XI students at SMAN 1 Cikande is said to be successful.

Keywords: Google class, effectiveness, learning outcomes



This work is licensed under a [Creative Commons Attribution-NonCommercial 4.0 International License](https://creativecommons.org/licenses/by-nc/4.0/).

INTRODUCTION

In the midst of the development of globalization that is very widespread among today's society, making technological developments seem to be so advanced, rapid and dense. Therefore, with the density of technological developments as it is today, it causes a lot of applications that can be used for activities in the learning process, as for several applications that can be used for activities in the learning process, learning programs are Google Meet, Zoom, Kahoot, Quizz, Google Classroom. Thus, teaching and learning activities do not always have to be carried out in the classroom, but learning activities can also be carried out outside with applications that can help students in carrying out teaching and learning activities because of an academic culture. Because of this, in this study, researchers chose the Google Classroom learning application as an X variable in the study. The Google Classroom Learning application is used because it helps students in teaching and learning activities outdoors or school environment.

In connection with the COVID-19 pandemic, which is widely discussed in Indonesia and even in the world, especially now that all schools throughout Indonesia are required not to operate for a while. As a result, students are required to study in their respective homes or the learning process is carried out not in person or via online. So that we as researchers became interested in conducting a study with the title "The effectiveness of using the Google Classroom Learning application on the learning outcomes of SMAN 1 CIKANDE Students". So it is hoped that researchers can find out more about the learning outcomes obtained by each student when

the learning process takes place at their respective homes, of course, by utilizing the Google Classroom learning application.

RESEARCH METHODS

Based on the perception of the problem above, the problems that will be reviewed in the research above are as follows: How Effective is the Use of Google Classroom Learning Media on Student Learning Outcomes at SMAN 1 Cikande. In accordance with the formulation of the problem that has been found, the purpose of this study is: To find out how effective the effect of the application of google classroom is on student learning outcomes at SMAN 1 Cikande. This research uses quantitative methods of questionnaires and descriptive through literature studies of journals, theses, and books.

RESULTS OF RESEARCH AND DISCUSSION

Research Results

Google Classroom App

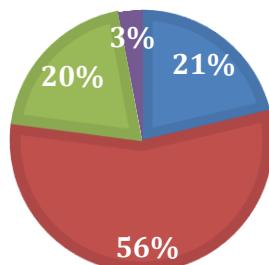


Figure 1. Variable X Diagram

(Student Response Regarding Google Classroom Learning Application Makes It Easier For Students To Learn). Pictured above, the SS Category (Strongly Agree) obtained a percentage of 21%, the Agree Category obtained a percentage of 56%, the KS Category (Disagreed) obtained a percentage of 20%, the TS Category (Disagree) obtained by 3%.

Learning Outcomes

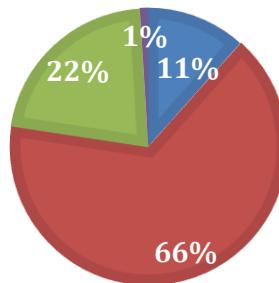


Figure 2. Y Variable Diagram

(Student Responses To More Effective Learning Outcomes Using The Google Classroom App). Pictured above, the SS Category (Strongly Agree) obtained a percentage of 11%, the Agree Category obtained a percentage of 66%, the KS Category (disagreed) obtained a percentage of 22%, the TS Category (Disagree) obtained a percentage of 1%.

Discussion

Definition of Effectiveness

According to the opinion of the big dictionary of Indonesian bases, in fact, Effectiveness begins or the origin of the word "effective". Effectiveness has good intentions of the results, getting results, successful use (Kemdikbud: 2012). If it discusses Effectiveness that is definitely closely related through a comparison between the success rates of those preconceived goals. People's work can be said to be effective if they provide feedback on results that are in accordance with the provisions that have been set. Effective learning is a benchmark between teacher success in managing the classroom. A lesson plan can be effective if all parties are actively involved, including mentally, physically, and socially. Susanto (2016:53). According to Moore D. Kenneth, effectiveness is said to be related to a size that suggests how increased capacity, quality, and time success, or the greater the percentage of targets, the higher the effectiveness. According to Wicaksono, the effectiveness provisions are as follows:

1. Learning intelligence, the learning process can be determined to be successful, if there is a minimum of 75% of all students who score 60 as an increase in learning outcomes.
2. The learning model is positive in improving a student's learning outcomes, if there are differences in comparison results in the initial understanding with after learning.
3. The learning model will be able to run positively, if it is able to improve selfregulated learning after the teaching and learning process students become more determined and motivated to study more diligently and get more positive learning outcomes.

Google Classroom

Understanding and Benefits of Google Classroom Google Classroom or what is often interpreted as a classroom is a mixed learning space in the educational sphere intended for every element directly related to the world of education. The existence of the Google Classroom learning application is also intended to be able to find solutions to various difficulties that occur in creating, classifying, and sharing ICT-based assignments. Here's the definition of Google Classroom according to some experts, as follows:

1. Isna Normalita Sari, 2019 who stated that Google Classroom is one part of e-learning learning that uses a web CT system. The Google Classroom learning application will provide the possibility of cyberspace. Then the Google Classroom learning application is also expected to be able to provide convenience in the education system in Indonesia, which can be used if the Google Classroom learning application can be well connected to the internet. So that in the future both teachers and students can use and make this application a place to access materials, collect assignments, and assess and provide evaluations of the tasks that have been collected.
2. Imaduddin (2018: 4), who states that Google Classroom is a free online service provided to all people who have Google accounts, especially those within the scope of education, such as schools and colleges. Google Classroom makes it easy for students and educators to always connect easily inside and outside the classroom or learning. Google Classroom is a blended learning application program developed directly by Google for all elements of the educational scope to make it easier to create and collect assignments.

The cycle of implementing classroom learning in Google Classroom, which is as follows;

1. Educators design and create questions or assignments. Briefly, it can be said that educators can post materials along with assignments in one or several classes with a predetermined time limit. Educators can control the access of materials and assignments given to students properly and easily. So that educators can find out how much improvement or progress each student has made.

2. Students collect tasks that have been done. Students will be directed to attach links, files, or images to the personal task collection column, then click submit assignment before the predetermined deadline. However, if before the deadline set by the educator, students want to make changes to their assignment answers, then they can cancel the delivery of the assignment, after making changes to the answers, learners can resend the assignment before the educator has passed the deadline.
3. Educators assess and evaluate tasks. Educators can provide grades and provide input or give correct answers to students as evaluation material, so that students can correct their mistakes in doing the task, so that students' insights and understanding can be improved. After the educator provides assessment and evaluation or input to the learners, the task will be returned to the learner as relearning material.
4. Learners see grades and input or evaluation from educators. Learners can view the value of their assignments personally and relearn the assignments according to the input or evaluation of the educator.

Google Classroom at its core has several benefits for both educators and learners. Some of the benefits of the Google Classroom learning application are as follows:

1. Can improve the literacy skills of students.
2. Make it easier for educators to assess and evaluate the abilities, disciplines and skills possessed by each student.
3. Materials and collection of tasks that can be carried out anywhere and anytime according to the predetermined time limit.
4. Provide convenience for students in facing learning difficulties by conducting open discussions in the class discussion column. So that students can feel helped to understand the learning material of Google Classroom.

Steps to apply Google Classroom

Using Google Classroom is certainly not an easy thing for a teacher who does not have the ability in the field of information technology. However, actually using google classroom can be learned by paying attention to the following steps:

1. visit the google website then enter the google classroom page
2. Make sure you have a Google Apps for Education account. Then search for the classroom.google.com website and sign in. Specify the menu options of the profession you are engaged in as a teacher or student, after which you form a class or join a class.
3. Then the teacher can invite students through their respective class codes to join. The requirement for every student is that it is necessary to have a gmail account using the full name of the account owner.
4. After that, the teacher distributes individual assignments and opens a discussion forum through the discussion page, then all class teaching materials will be saved automatically.
5. Educators can provide announcements of directions to students in the classroom on the main page. If students experience difficulties, then they can be allowed to ask about the obstacles faced.
6. Educators are facilitated in monitoring every student who has or has not completed assignments and provide input and grades directly in the classroom.

Advantages and Disadvantages of Google Classroom

The primary put forward the advantages of google classroom as follows:

1. Applying google classroom preparation is very simple, teachers can directly invite students or through sharing the class code to join.
2. No, it's time-consuming, the process of collecting assignments is simple and easy, with no papers speaking, making it easier for a teacher to quickly check and grade the assignments.
3. Can improve organizing, make it easier for students to be able to view materials or tasks automatically and even make it easier for students when they want to save the file with just one type without being complicated.
4. Facilitate communication, this will help a teacher in the process of announcing the delivery of assignments or other information and can even hold discussions on the platform directly.
5. Save admins, because google classroom does not contain ads, such as youtube for example, Because if there is an advertisement, it will disturb the concentration of both teachers and students and this is free.

Hikmatiar, Sulisworo and Wahyuni, also stated the shortcomings of google classroom as follows:

1. Students will cheat because google classroom is open so that others can see the results of using their friends' assignments, it becomes inefficient to monitor students and network speed is also one of the obstacles in using google classroom.
2. In the use of google classroom, not all educators and students can understand how to use it, because it needs a more stable internet network to access it, and the learning process is more individual, so that if there is a misunderstanding of the material provided, it will affect students' understanding.

Google Classroom Features

According to Nurfalah, the Google classroom features are as follows:

1. The existence of a Forum where interacting is commonly called (forum). help the teacher with students. When the teacher shares material, assignments, or questions so that there will be a notif of information in the forum in question
2. The existence of a google calendar, a teacher creates a time line in this feature.
3. The existence of a class drive file, when uploading the file will be saved automatically in Gdrive
4. The existence of Tasks, This is a place to create, or share tasks can be in the form of power points, Microsoft word and other types of laii.
5. The existence of Quizzes, a teacher makes a quiz can be through the help of google from,Which type can be in the form of an essay or multiple choice. And this feature provides a time limit in the work so that if the student finishes working on it, the system will automatically record how long the student worked on the task.
6. The Existence of Questions, a teacher makes a question online and the student answers the question online as well, The existence of teaching materials, a teacher distributes material to students

According to Sutrisna, the features in google classroom. (2018: 73), teachers can effectively maximize their Google Classroom skills to improve the literacy skills of their students.

1. Create an assignment Creating an assignment is a function that assigns assignments to students. To improve students' reading and writing skills, teachers can use this feature to provide reading comprehension tasks. Work results must be reported in writing and returned through Google Classroom. Instructors can also enter due dates for the assignment

creator so that students can submit assignments at the scheduled time. This feature was created to allow students to know the deadline when collecting assignments so that students are disciplined.

2. Creating Questions Making Questions is a feature that allows you to ask Various statements to students of your upbringing, The power of this feature can make it easier when speaking because when the response occurs it is uploaded according to the deadline set by the speaker. In addition, this feature reduces costs because students do not need to print their homework on paper. To improve literacy skills, instructors can submit higher thought (HOTS) questions, or types of questions that require skills when thinking Should continue. Students to Read books and more while authorizing. You can also evaluate it. A source to find answers online.
3. Making Materials Making Materials is a feature. Teachers can use this feature to send lecture notes in a variety of formats. Teachers can also submit academic studies in the form of journals, essays, dissertations, etc., In order for students to gain More Knowledge from the study
4. Topic Creation Topic Creation is a feature that allows you to create lecture topics through google classroom, to allow students to join the discussion discussion of lectures can be through regular classes, but also through google classroom. Google Class is a combination of Google Docs, Drive and Gmail that allows teachers to create virtual classes that are faster and more efficient and use them as an easy way to communicate. Google Class helps students learn and complete their homework without wasting a lot of papers. This Google Classroom-based learning method also allows teachers to easily and quickly post or publish information about each student.
5. Instructor Post Reuse is used to repost existing posts, add and edit questions, and share them directly to the class to complete

Learning Outcomes

Learning is a process of changing human personality that arises in the form of improving the way of behavior such as improving skills, knowledge, and attitudes. Howard L. Kingskey said learning is a process that can change behavior with training. Slameto said learning is a procedure that is expected by each student to get a new change in his personality as a whole, which is obtained from the results of interaction with his environment. James O. Whittaker said learning is a process of changing behavior based on exercise or experience that has been gained.

Understanding Learning Outcomes

Sudijono said learning outcomes are actions to consider the results of thinking, attitude and skills in each individual student. Hamalik said the learning outcome is that if a person has learned, it is expected that there will be a change in behavior in that person, for example insight and increased knowledge. Factors that affect learning outcomes include: teaching materials, namely the main means that support the course of the teaching and learning process, it is hoped that with the existence of teaching materials students can easily understand the material presented by the teacher, the tools used in the teaching and learning process greatly affect the effectiveness of the learning process, so that the learning results obtained run optimally as expected, motivation is the encouragement given by a person to do something in achieving the goals he wants to achieve, evaluation is a final assessment that is useful as a consideration for changes in aspects of knowledge, attitudes and skills, and the environment, which is a factor that has a great influence on student learning outcomes such as a comfortable and calm classroom atmosphere can increase understanding of the material presented.

CONCLUSION

From the deciphering of the data along with the reviews above, it was concluded that the application of Google Classroom at this time was very effective in learning outcomes in class XI students of SMAN 1 CIKANDE. This can be proven through the results of data analysis that shows the effectiveness of using the Google classroom Learning application meets the requirements, namely Regarding the Google Classroom Learning Application Making It Easier for Students to Learn, the SS Category (Strongly Agree) obtained a percentage of 21%, the Agree Category obtained a percentage of 56%, the KS Category (Disagrees) obtained a percentage of 20%, the TS Category (Disagree) obtained by 3%. As for More Effective Learning Outcomes Using the Google Classroom Application, the SS Category (Strongly Agreed) obtained a percentage of 11%, the Agree Category obtained a percentage of 66%, the KS Category (less Agreed) obtained a percentage of 22%, the TS Category (Disagreed) obtained a percentage of 1%. Based on this description, the effectiveness of using the Google classroom Learning application on the learning outcomes of class XI students of SMAN 1 Cikande is said to be successful.

BIBLIOGRAPHY

Destyana, V. A., & Surjanti, J. (2021). The Effectiveness of Using Google Classroom and Learning Motivation on Student Learning Outcomes in Economics Subjects. *Educational: Journal of Educational Sciences*, 3(3), 1000–1009.

Love The Protector of Sari. (2021). The Effect of Using Google Classroom on Student Mathematics Learning Outcomes at The State Vocational Menegah School 2 Jambi City. Isalm State University of Sulthan Thaha Saifuddin Jambi.

Marbun, J., Sinaga, J. S. (2021). Basicedu Journal. Utilization of the Google Classroom Application in Increasing the Effectiveness of Online Free Student Learning During the Covid-19 Pandemic. Vol:5(5), 3299-3305.

M Usman. Rosmini. Hartati. Subiantoro, S. (2021). Edudikara: Journal of Education and Learning. The Effectiveness of Using Google Classroom During the Covid-19 Pandemic on Civic Education Learning Outcomes. Vol:6(3), 199-210.

Nurul Hidayah. (2019). Journal of IT-EDU. The Effectiveness of Flipped Classroom Learning Model On Selfregulated Learning And Student Learning Outcomes In Basic Graphic Design Subjects At SMK N 1 Surabaya. Vol:4(1), 165-173.

Nainggolan. AP, Rizki, BB, Manalu. (2021). Journal Coaching Education Sport. The Effect of Using Google Classroom on Learning Effectiveness. Vol: 1(2), 17-30.

Rahmanto, M., & Bunyamin. (2020). The effectiveness of online learning media through Google Classroom. *Journal of Islamic Education*, 11(2), 119–135.

Sabran, & Sabara, E. (2019). The effectiveness of Google Classroom as a learning medium. *Proceedings of the National Seminar of the Research Institute of Makasar State University*, 122–125.

Sari, I. N. (2019). On the Effectiveness of Student Learning of Universitas Islam Indonesia Thesis By: Student Name No.: Isna Normalita Sari Faculty of Economics, Universitas Islam Indonesia Yogyakarta. 1–120

Sri Mulyani. (2021). Effectiveness of Using Google Classroom Application In Response to Student Physics Learning Outcomes. Muhammadiyah Makasar University.