

Implementation of the GSE (Google Suite Education) Program at SD Muhammadiyah 09 Plus in the Covid-19 Pandemic Era

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ABSTRACT

The development of information technology makes it easy to communicate and exchange information so that place, time and distance are no longer a constraint. The rapid development of information technology cannot be separated from the development of computer engineering. The advancement of computers and information technology has also had a positive impact on the field of education. The most influential applications in the field of computer technology and information technology in the field of education are the use of computer networks and the internet. With the internet, information services on the target students are not limited to space, place, time and distance. Through the internet, information services can be provided as a learning resource, learning media that can be learned according to the learning speed of students. Learning media is not limited to letters and images but can be combined with graphics, animation, video, audio together so that this media is better known as multimedia. The positive influence of using the internet for education in building human resources in the education world must be able to keep up with the development of science and technology applications. Especially during a pandemic like this, teachers are required to be more creative. Government assistance through the GSE (Google Suite Education) application which has various kinds of features such as google classroom and google meet makes it easier for teachers to carry out learning and students become more interested and enthusiastic. The positive influence of using the internet for education in building human resources in the education world must be able to keep up with the development of science and technology applications. Especially during a pandemic like this, teachers are required to be more creative. Government assistance through the GSE (Google Suite Education) application which has various kinds of features such as google classroom and google meet makes it easier for teachers to carry out learning and students become more interested and enthusiastic.

Keywords: Covid-19, Google Suite, Implementation

INTRODUCTION

Coronavirus is a group of viruses from the Orthocoronavirinae subfamily in the Coronaviridae family and the order Nidovirales. This group of viruses can cause disease in birds and mammals, including humans. In humans, the coronavirus causes generally mild respiratory infections, such as colds, although some forms of the disease include; SARS, MERS, and COVID-19 are even more deadly. In current conditions, the corona virus is not an

epidemic that can be ignored. When viewed from the symptoms, ordinary people will think it is only limited to ordinary influenza, but for medical analysis this virus is quite dangerous and deadly [1].

Coronavirus Disease 2019 or COVID-19 has infected millions of people in more than 200 countries around the world and caused many deaths. The disease, which is caused by Severe Acute Respiratory Syndrome-Coronavirus 2 or SARS-CoV-2, was first reported in Wuhan

City, Hubei Province, China. The COVID-19 pandemic affects almost all aspects of life, including education[2]

Learning that is carried out in elementary schools also uses online / distance learning through parental guidance. Online learning is the use of internet networks in the learning process. With online learning students have the flexibility to study time, can study anytime and anywhere. Students can interact with the teacher using several applications such as classroom, video conference, telephone or live chat, zoom or via WhatsApp group. This learning is an educational innovation to answer the challenges of the availability of varied learning resources. The success of a model or learning media depends on the characteristics of the students. As expressed by Nakayama that all literature in e-learning indicates that not all students will be successful in online learning. This is due to the learning environment and the characteristics of students[3].

During the pandemic period, it is undeniable that all students and teachers experience confusion in carrying out learning. With the pandemic that came suddenly and whole school buildings were temporarily closed, teachers and students were forced to study from home. Therefore, there is a need for a solution to connect students and teachers in order to carry out learning even though they cannot meet directly at school.

The changes forced by Covid-19 have been so fast. Causing the preparation to face various changes to be not optimal. This is also felt by the world of education. Readiness to learn online (online) set by the government is almost non-existent. Schools, in this case the teacher, are required to try to create learning so that it continues even though it is not in school. Get familiar with online learning. There are many media used for online learning. Various platforms have long provided this service. For example, Google Classroom, Learning House, Edmodo, Teacher Room, Zenius, Google Suite

for Education, Microsoft Office 365 for Education, Your School, Smart Class[4].

Online learning itself is an institution-based formal education in which students and instructors are in separate locations so that it requires an interactive telecommunications system to connect the two and the various resources needed in it. Electronic learning (e-learning) or online learning (online) is part of distance education that specifically combines electronic technology and internet-based technology. The online mode approach has constructivism characteristics, social constructivism, inclusive community of learning, computer-based learning, digital classes, interactivity, independence, accessibility, and enrichment. Through online learning students have the freedom to study and study anywhere[5].

Online learning is learning that uses internet networks with accessibility, connectivity, flexibility, and the ability to generate various types of learning interactions. Online learning shows that the use of the internet and multimedia technology is able to change the way knowledge is conveyed and can be an alternative to learning carried out in traditional classrooms. At the implementation level, online learning requires the support of mobile devices such as smartphones or Android phones, laptops, computers, tablets, and iPhones which can be used to access information anytime and anywhere[6].

In online learning systems, there are several obstacles that are deemed ineffective, such as the provision of learning materials by teachers, technology literacy from teachers and parents who will guide children, and the child's economic situation. This is one of the challenges for educators and teachers in this pandemic. Several studies have revealed that online learning systems provide a positive side, but there are also disadvantages behind this[7].

An online learning system (e-learning) is needed so that the teaching and learning process becomes easier, more flexible, and can be done without the limitations of time and space. One of the institutional management systems, email that is integrated and has many applications for online learning systems and is free is an application system owned by Google. Google provides the name of its integrated application service with the name G Suite. G Suite is an integrated system that can be used for GMail email-based institutional management which can also be accessed with a mobile application. This application also has an online learning management system called Google Classroom. G Suite is an integrated service provided by Google for the needs of business people consisting of GMail, Docs, Drive, Calendar, Meet, and many other applications. This service began to be offered to the public in 2006 under the name Google Apps. As a form of Google's commitment to support the education sector, they released an update of Google Apps for Education aimed at the education sector at the Educase event in Dallas. Over time, the name of this service changed to G Suite on September 29, 2016. In 2017, Google announced that the number of users of G Suite for Education services worldwide had reached 70 million users, an increase from 50 million in 2015 and 60. million in 2016 they released an update of Google Apps for Education aimed at the education sector at the Educase event in Dallas. Over time, the name of this service changed to G Suite on September 29, 2016. In 2017, Google announced that the number of users of G Suite for Education services worldwide had reached 70 million users, an increase from 50 million in 2015 and 60. million in 2016 they released an update of Google Apps for Education aimed at the education sector at the Educase event in Dallas. Over time, the name of this service changed to G Suite on September 29, 2016. In 2017, Google announced that the number of users of G Suite for Education services worldwide had reached 70 million users, an increase from 50 million in 2015 and 60. million in 2016[8].

Google Apps for Education is a series of applications with synergy and real time collaboration between students, lecturers and staff on campus that can be accessed using PC computers, notebooks, tablets and even smartphones. Inside there are email applications, calendar, sites, docs or drives, groups, videos, social media that can be integrated with a learning management system on campus with Google acting as a vendor.[9]. This service is free and has many facilities that allow the teaching and learning process not only to be carried out conventionally, namely the learning process that only relies on face to face class. The facilities owned by GAFE are email, calendar, Docs / Drive, and Learning Management System. With this service, it is possible for teachers and students to interact outside the classroom and this service can also improve the performance and participation of students. Therefore, GAFE is very suitable to be implemented in an educational institution such as universities and schools[10].

The purpose of this research is to apply GSE in the learning process at SD Muhammadiyah 9 Plus in facing challenges in the 2020 pandemic era.

RESEARCH METHODS

Researchers used a case study research design with a qualitative approach, where the researcher obtained in-depth information about the topic under study, namely the implementation of the Google Suite for Education with a focus on describing how the strategy, implementation and impact of applying the Google Suite for education to create an effective school at SD Muhammadiyah 9 Plus [11].

Researchers conducted interviews, observations and documentation studies related to the implementation of the Google Suite for Education as a data collection method with data sources on people, documents and places[12].

Conclusions are drawn based on the analysis

of the data collected, either through tests or interviews and field notes. then later the conclusion can determine the results of the research.

RESULTS AND DISCUSSION

SD Muhammadiyah 09 Plus Pagi is one of the schools in the East Jakarta area. This school has a vision, namely the realization of a school that is virtuous, intelligent, skilled, independent and competitive as well as environmentally friendly based on faith and piety with its mission to form quality educational resources, with integrity and beneficial for the development of the potential of students, increasing the faith and devotion of students to God Almighty, develops the potential of students to become citizens who are knowledgeable, creative, innovative, independent, democratic and responsible, forming a young generation with a nationalism spirit, realizing active, creative and dynamic learning activities,

Muhammadiyah 09 Plus Elementary School in the morning also runs a distance learning system due to the Covid-19 pandemic. So that infrastructure readiness is needed to support the learning process. In this school there are 16 teachers who have gadgets and laptops. All teachers also have access to electricity and the internet. So that all teachers in this school are able to carry out distance learning using online.

The use of GSE in primary schools during the Covid-19 pandemic found several weaknesses. Among them is GSE which sometimes experiences network disruptions which causes obstruction of the process of delivering material when virtual face-to-face. Then the unavailability of the host feature causes students to turn off various features in it such as cameras and microphones, causing the teacher to have difficulty controlling class conditions face-to-face. The last weakness is fatigue that occurs in students and

teachers because there is no definite time to finish learning hours.

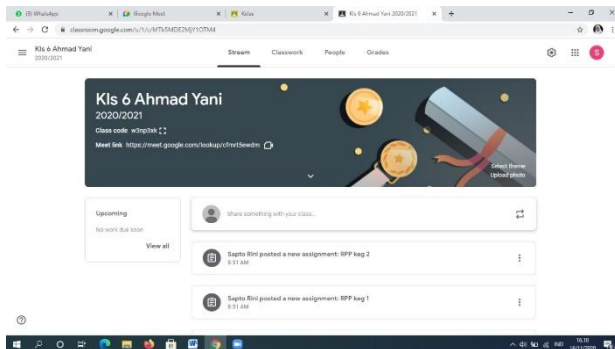
Even so, the GSE's strength is more than it lacks. With the GSE, teachers can still know the presence of students, carry out face-to-face learning and parents can find out and see the teaching and learning process carried out by the teacher directly. Then the use of the GSE proves the active role of the government in supporting the learning process through the quota subsidy program for all teachers and students.

The opportunities that arise when using GSE are that teachers and students can get to know and master the new technology being developed together. Teachers can be more creative and innovative in carrying out learning and building student character. Then the last thing is the unlimited space and time so that the process of implementing teaching and learning can be done anywhere and anytime.

In addition to creating opportunities for using GSE to elementary school students, it can cause threats to students, namely excessive use of devices. Then the use of GSE can also trigger an overload, especially in the document storage capacity on the device. Excess capacity on the device can also cause a decrease in performance (slow) on the device which will hamper teaching and learning activities.

The solution that the author can provide is when before starting learning using GSE, especially on the google meet feature, the teacher is expected to make an agreement with students first not to turn off the camera and adjust the microphone according to its function. Then give an appeal to students so that find the best location to avoid network disruptions when participating in learning activities. Coordinating with parents is also very important to prevent students from playing devices that are not according to their function. Advise students to always upload all documents to the google

classroom feature contained in the GSE.



applications on Google, both from account management, scheduling management, Google Drive, other collaboration tools including mail. GSE is provided by the government to help teachers carry out learning activities through features such as google meet and google classroom.

In its implementation, using GSE to overcome learning during the Covid-19 pandemic encountered several obstacles. However, this obstacle can be covered by several advantages. So as to produce a solution, namely when before starting learning using GSE, especially on the google meet feature, the teacher is expected to make an agreement with students first not to turn off the camera and adjust the microphone according to its function.

Then give an appeal to students to find the best location to avoid network disruptions when participating in learning activities. Coordinating with parents is also very important to prevent students from playing devices that are not according to their function. Advise students to always upload all documents to the google classroom feature contained in the GSE.

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