



Analysis of the Effectiveness of Using Google Classroom and Science Learning During the COVID-19 Pandemic

Shalsa Billa Ardhana Neswary¹

¹State University of Surabaya, Surabaya, Indonesia



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ABSTRACT

The rapidly widespread spread of COVID-19 in Indonesia has made the Indonesian government make policies, one of its policies is to carry out distance learning activities. This study aims to analyze the effectiveness of using Google Classroom in science learning during the COVID-19 pandemic. This research uses a literature study by reviewing 30 articles or journals published in the 2018-2022 period and comes from Google Scholar and several international journals that come from trusted and accountable websites. The data obtained will then be analyzed using qualitative analysis. The results showed that: (1) The use of Google Classroom is effectively used in science learning during the COVID-19 pandemic, (2) The advantages of using Google Classroom in science learning during the COVID-19 pandemic are that it can improve analytical skills, improve science literacy skills, and grow students' character in science learning, (3) The weakness of using Google Classroom in science learning during the COVID-19 pandemic is that students have difficulty in receiving material, especially those that require calculations such as mathematics, chemistry, and physics.

INTRODUCTION

The spread of the COVID-19 virus case in Indonesia continues to spread, impacting various aspects of life. COVID-19 is a new type of coronavirus, Sars-coV-2, which can be transmitted and was first discovered in Wuhan, China (Nafrin & Hudaidah, 2021). The story of the COVID-19 virus has a different ending in each country (Lee, 2020). In the conditions of the COVID-19 pandemic, the role and position of education have become very worrying (Wahyono et al., 2020). Various policies have been issued by the Indonesian government to reduce the spread of the COVID-19 virus (Herliandry et al., 2020). The government makes a policy, whereby the teaching and learning process is carried out at home through distance or online learning (W. A. F. Dewi, 2020).

Education is a lifelong necessity (Affandi et al., 2020) for anyone. Education is a forum for humans to develop into more qualified individuals who can think innovatively and creatively about the development of the times (Rahma & Agustin, 2021). Education becomes an important means (Gumay & Ali, 2019) of shaping active, and productive human resources (Romadon & Maryam, 2019). Education has a meaning of conscious effort to prepare students through preparation, teaching, and training activities in the future (Muliadi et al., 2020).

Learning is a very important thing in education (Saifulloh & Darwis, 2020). Learning is the interaction of important components between educators, learners, and sources of knowledge in one place (Sijabat et al., 2020). Online learning is formal education carried out by educational institutions whose students and educators are located in different or separate locations (Napaswati, 2020). Online learning can also be interpreted as a learning activity that uses interactive learning media provided for students (Nova et al.,

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