

The Effectiveness of Zoom Meeting Application During The Distance Learning: A Review

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Abstract

Covid-19 has impeded all current operations, particularly in the sector of education. Distance learning is one of the initiatives to limit the virus's rapid spread. Learning needs media that is made available by pandemic circumstances, such as the Zoom meeting application. This program is based on contemporary educational demands, and numerous capabilities are accessible to aid in communication through voice and graphics. Additionally, the usage of zoom meetings, particularly at the primary school level, is one step in incorporating technology into learning. The purpose of this study is to determine the effectiveness of using Zoom meeting in virtual classrooms through performing a literature review, scanning a database of diverse publications on Google Scholar. 15 of the 256 articles which were considered as relevant. The findings suggest that the usage of the Zoom Meeting application in distance learning was beneficial.

Keywords: Distance Learning; Zoom Meeting ; Primary School ; COVID-19

Efektifitas Aplikasi Zoom Meeting pada Pembelajaran Jarak Jauh di Sekolah Dasar: Tinjauan Sistematis

Abstrak

Covid-19 menjadi penghambat segala kegiatan yang ada, terutama dalam bidang pendidikan. Pembelajaran jarak jauh menjadi salah satu upaya dalam pencegahan penyebaran virus ini dengan cepat. Pembelajaran menuntut media yang sesuai dengan keadaan pandemi seperti ini, aplikasi zoom meeting menjadi salah satunya. Aplikasi ini sesuai dengan kebutuhan pendidikan saat ini, berbagai fitur telah tersedia yang mampu membantu dalam berkomunikasi melewati voice maupun visual, selain itu penggunaan zoom meeting terutama di jenjang sekolah dasar menjadi salah satu langkah dalam memperkenalkan teknologi ke dalam pembelajaran. Penelitian ini bertujuan untuk mengetahui keefektifitas penggunaan zoom meeting dalam pembelajaran jarak jauh, dengan melakukan tinjauan pustaka dengan cara pencarian database berbagai artikel di google scholar, 15 dari 256 artikel yang penulis pilih sebagai yang relevan. Hasil penelitian menunjukkan bahwa 12 di antaranya menyatakan penggunaan aplikasi zoom meeting dalam pembelajaran jarak jauh dinyatakan efektif.

Kata kunci: Pembelajaran; Zoom Meeting; Sekolah Dasar; COVID-19

1. Introduction

Corona Virus Disease, often known as COVID, first occurred in 2019, hence the virus is known as COVID-19. At the end of 2019, the COVID-19 pandemic had become an issue of conversation in most nations. This virus arose in one of China's cities, specifically Wuhan, and this virus evolved in animals such as bats, cats, camels, and other mammals. Because the majority of the first patients exposed to the COVID-19 virus in Wuhan worked in a fish market retail complex, the virus was easily spread from person to person to another in Wuhan, China. COVID-19 has spread in a couple of days to China and numerous other nations across the world.

In Asia, India, Nepal, and Indonesia had the largest number of reported cases. Indonesia, as one of the nations afflicted by the development of COVID-19, has prompted the

government to act fast to combat the virus's spread. Joko Widodo, President of Indonesia, declared that COVID-19 was a non-natural calamity that was growing fast every day. To prevent the spread of the COVID-19 virus, the government imposes Large-Scale Social Restrictions, as well as requiring all citizens to wear masks. It is also recommended that all citizens always wash their hands with soap, eat nutritious food, and take vitamins. Various systems in Indonesia, including the economy, religion, social activities, and, of course, education, are impacted by these circumstances.

The Indonesian government is attempting to mitigate the impact of this virus transmission by enacting a number of policies in a variety of critical areas. One of these is in the education sector, where the government, through the Ministry of Education and Culture, requires learning at all levels to be held online or through distance learning. This shift in learning techniques has a significant impact on student learning results, since learning that was formerly done face-to-face must now be done at a distance with the assistance of a gadget. This is, of course, not the same as direct learning, which involves direct connection.

Elementary schools experiment with numerous approaches to obey the requirements for distant learning, beginning with video learning, giving via google forms, establishing courses with google classroom, and zoom meetings. The Zoom Meeting application is a highly useful learning medium for instructors and students to be able to meet face-to-face, even using smartphone or PC media. The zoom meeting application can turn on the video and communicate directly through the mic, the teacher can see the students and the students can see their friends and also the teacher, the teacher can display the learning to be delivered through the share screen feature, and students can pay attention to what is displayed by the teacher.

Previous studies has not investigated the results of the effectiveness of using zoom meeting applications in distance learning. This study aims to review several articles from scientific journals published between 2020 and 2021 with a focus on the effectiveness of using zoom meeting applications in distance learning as a result of the pandemic covid-19.

2. Methods

The search for relevant articles generated 300 results. However, after being re-selected, there were 15 papers that met the requirements for the topic of investigation in this study. The material is then reviewed based on the effectiveness of online learning using Zoom application. This study employs a semi-systematic review as a design. The search for relevant articles generated 300 results. However, after being re-selected, there were 15 papers that met the requirements for the topic of investigation in this study. The material is then reviewed based on the effectiveness of online learning using Zoom application.

3. Result and Discussions

Based on the relevant articles in the search, which consists of 15 articles that discuss the effectiveness of the Zoom meeting application in distance learning, to prevent the spread of the Covid-19 virus. The articles are [1]–[15]. This article is still relatively new in the last 2 years because this zoom meeting application has been very popular since the emergence of the covid-19 virus. Zoom meeting helps many parties in the world of education, especially in learning, various articles in researching the effectiveness of the Zoom meeting application in distance learning are very useful to be used as information for readers, especially in literature review studies.

According to [15] student learning outcomes in learning Islamic religious education are a cumulative average of 85.72, which shows that the results of online student learning using Zoom are in a good category. However, in contrast to [7] stating that learning through zoom is said to be less effective in learning mathematics. Of course, many opinions have been put forward, things like this are becoming more interesting because many factors affect the effectiveness of the zoom application in distance learning.

The learning process assisted by the zoom meeting application according to [5] states that in the eyes of learning the tahfizh Al-Qur'an is good, many reasons are expressed such as using the zoom meeting application in distance learning is similar to direct learning where the teacher can see directly students in doing the learning. Where teachers can ask questions directly to students and they can answer directly. In addition, learning using zoom meetings

is considered effective in improving student learning outcomes, that learning can run according to learning steps as usual when face to face.

Tabel 1. Summary Matrix

Title	Source	Effectiveness
Efektifitas Proses Belajar Aplikasi Zoom di Masa Pandemi dan Setelah Pandemi Covid-19	[1]	Less Effective
Efektifitas Aplikasi Zoom Meeting Terhadap Kualitas Pembelajaran Jarak jauh Mahasiswa Masyarakat IKIP Siliwangi Angkatan 2018	[16]	Effective
Pembelajaran Jarak Jauh Menggunakan Aplikasi Zoom pada Matakuliah Pendidikan Matematika SD 1 Dyah Anungrat Herzamzam	[2]	Effective
Mefektifitas Penggunaan Aplikasi Sebagai Media Pembelajaran Online	[7]	Less Effective
Evaluasi Penggunaan Aplikasi Zoom Meeting Dalam Program Tahfizh Al-Qur'an di SD Khoiru Ummah Cianjur	[5]	Effective
Efektivitas Pembelajaran Problem Based Learning Dengan Zoom Meeting di SDN Kebraon I	[4]	Effective
Pemanfaatan Zoom Meeting Untuk Proses Pembelajaran Pada Masa Pandemi Covid-19	[3]	Effective
Efektifitas Penggunaan Aplikasi Zoom Meeting Dalam Pembelajaran PAI di Masa Pandemi Covid-19	[15]	Effective
Penggunaan Aplikasi Zoom Cloud Meeting Pada Proses Pembelajaran Online Sebagai Solusi di Masa Pandemi Covid-19	[14]	Effective
Efektifitas Penggunaan Aplikasi Google Meet Sebagai Media	[13]	Effective
Penggunaan Aplikasi Zoom Meeting untuk Efektifitas Pembelajaran Daring pada Madrasah Ibtidaiyah Muhammadiyah 01 Pekanbaru	[12]	Effective
Efektivitas Pembelajaran Menggunakan Vidio Zoom Cloud Meeting pada Anak Usia Dini Era Pandemic Covid-19	[11]	Effective
Penggunaan Aplikasi Zoom Meeting di Masa Pandemi Covid-19	[10]	Less Effective
Pengaruh Penggunaan Media Pembelajaran Video Animasi Berbasis Zoom Meeting Terhadap Minat Dan Hasil Belajar IPA Siswa Sekolah Dasar pengaruh Penggunaan Media Pembelajaran Video Animasi Berbasis Zoom Meeting Terhadap Minat Dan Hasil Belajar IPA Siswa Sekolah Dasar	[9]	Effective
Efektifitas Pembelajaran Menggunakan Moodle Terhadap Motivasi Dan Minat Bakat Peserta Didik Di Tengah Pandemi Covid -19	[8]	Effective

4. Conclusion

The purpose of this research is to examine the effectiveness of the Zoom meeting application in distance learning as a consequence of covid-19. According to the findings of the literature review, most people said it was effective for learning. However, other people said that Zoom Meeting was a great tool for assisting distant learning, with numerous zoom elements making it feel like regular learning. The instructor can observe the numerous pupils who are participants of the zoom meeting and can impart the sequence of learning as if they were in class. The usage of the zoom meeting is the beginning of students learning about technology as part of the 4.0 era generation. Aside from the beneficial effects, others argue that the usage of Zoom meetings in learning is less successful since most users are subject to internet network problems. The growth of the times is accelerating to the point that we, as instructors, require originality and creativity in learning, particularly in employing the technology that is now available.

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