

p-ISSN 2338-980X

e-ISSN 2502-4264

ELEMENTARY SCHOOL

AN INDIAN JOURNAL OF TEACHER EDUCATION



ES	Volume 9	Number 1	Pages 1-99	Yogyakarta January 2022	p-ISSN 2338-980X e-ISSN 2502-4264
----	----------	----------	---------------	----------------------------	--------------------------------------

Vol. 9 No. 2 (2022): ELEMENTARY SCHOOL (Jurnal Pendidikan dan Pembelajaran Ke-SD-an)

DOI: <https://doi.org/10.31316/esjurnal.v9i2>

Published: 2022-07-30

Articles

- [**How The Impact Of Self Regulation On Fear Of Missing Out \(FOMO\) and Internet Addiction On Elementary School Pre Service Teacher Students?**](#)

[T. Muhtarom \(National Dong Hwa University, Taiwan, Province of China\)](#)

100-109

◦ [PDF](#)

[DOI : 10.31316/esjurnal.v9i2.3231](#)

Abstract View : 461

PDF downloads: 283

- [**Problem Solving For Fifth Grade In Quadrilateral Learning Using Van Hiele Theory And Contextual Approach**](#)

Debora Dwi Kurniawati (Pendidikan Matematika FKIP USD Yogyakarta, Indonesia)

Savira Erdia Kusuma (Pendidikan Matematika FKIP USD Yogyakarta, Indonesia)

Yulisa Ananda Putri (Pendidikan Matematika FKIP USD Yogyakarta, Indonesia)

Haniek Sri Pratini (Pendidikan Matematika FKIP USD Yogyakarta, Indonesia)

110-114

◦ [PDF](#)

[DOI : 10.31316/esjurnal.v9i2.2230](#)

Abstract View : 92

PDF downloads: 103

- [**Development Of Interactive Digital Modules On Flat Building Space Materials For Class IV Students**](#)

Dina Valentina F.T.H (Program Studi Pendidikan Guru Sekolah Dasar Fakultas Pedagogi dan Psikologi Universitas PGRI Adi Buana Surabaya, Indonesia)
Triman Juniarso (Program Studi Pendidikan Guru Sekolah Dasar Fakultas Pedagogi dan Psikologi Universitas PGRI Adi Buana Surabaya, Indonesia)
Via Yustitia (Program Studi Pendidikan Guru Sekolah Dasar Fakultas Pedagogi dan Psikologi Universitas PGRI Adi Buana Surabaya, Indonesia)

115-120

◦ [PDF](#)

[DOI : 10.31316/esjurnal.v9i2.2968](https://doi.org/10.31316/esjurnal.v9i2.2968)

Abstract View : 117

PDF downloads: 124

- **[Development Of E-LKPD Based On The SSCS \(Search, Solve, Create, and Share\) Model In Science Lessons For Class V Students In Elementary School](#)**

Indah Hanifah Munawaroh (Universitas Negeri Jakarta, Indonesia)

121-125

◦ [PDF](#)

[DOI : 10.31316/esjurnal.v9i2.2549](https://doi.org/10.31316/esjurnal.v9i2.2549)

Abstract View : 91

PDF downloads: 89

- **[The Effect Of Self Regulated Learning On Learning Outcomes Through Learning Motivation In Class V In The Lituk Cluster, South Atambua District](#)**

[Maxsel Koro \(Universitas Nusa Cendana Kupang, Indonesia\)](#)

Hiwa Wonda (Universitas Nusa Cendana Kupang, Indonesia)

Maria Anjelina Ade Seran (Universitas Nusa Cendana Kupang, Indonesia)

126-138

◦ [PDF](#)

[DOI : 10.31316/esjurnal.v9i2.2434](https://doi.org/10.31316/esjurnal.v9i2.2434)

Abstract View : 206

PDF downloads: 127

- **[Analysis Of The Value Of Character Education In The Fable Of The Mouse Deer and His Best Friend](#)**

Nurmila Wati (Universitas PGRI Yogyakarta, Indonesia)

Dhiniaty Gularso (Universitas PGRI Yogyakarta, Indonesia)

139-155

◦ [PDF](#)

[DOI : 10.31316/esjurnal.v9i2.2126](https://doi.org/10.31316/esjurnal.v9i2.2126)

Abstract View : 154

PDF downloads: 99

- **[The Relationship Of Learning Interest And Parents' Trust With The Results Of Learning Indonesian Language Online In Class Iv at Cluster 2 Elementary School Kapanewon Sewon Bantul](#)**

MM Eni Suryati (Program Magister Pendidikan Dasar Universitas Terbuka, Indonesia)

156-168

◦ [PDF](#)

[DOI : 10.31316/esjurnal.v9i2.2942](https://doi.org/10.31316/esjurnal.v9i2.2942)

Abstract View : 80

PDF downloads: 63

- [**Improving Online Learning Through Zoom Meeting Media In Class 2nd at SD Muhammadiyah Bantul City**](#)

Maya Kartika Sari (Universitas PGRI Madiun, Indonesia)

Vivi Rulviana (Universitas PGRI Madiun, Indonesia)

Suyanti Suyanti (Universitas PGRI Madiun, Indonesia)

169-175

◦ [**PDF**](#)

[DOI : 10.31316/esjurnal.v9i2.2951](#)

Abstract View : 103

PDF downloads: 71

- [**Traditional Game Learning Models to Develop Student Creativity**](#)

Bahtiyar Heru Susanto (Universitas PGRI Yogyakarta, Indonesia)

176-179

◦ [**PDF**](#)

[DOI : 10.31316/esjurnal.v9i2.3113](#)

Abstract View : 83

PDF downloads: 103

- [**Analysis Of Moral Values In Lencana Alia™ Children Story By Esti Asmala**](#)

[M Ridwan \(STKIP PGRI Sumenep, Indonesia\)](#)

Mulasih Mulasih (Universitas Peradaban, Indonesia)

180-184

◦ [**PDF**](#)

[DOI : 10.31316/esjurnal.v9i2.3216](#)

Abstract View : 135

PDF downloads: 74

- **[The Effect Of Multiple Intelligence-Based Guided Inquiry Learning On Social Skills Of Elementary School Students](#)**

Sri Hartatik (PGSD FKIP Universitas Muhammadiyah Magelang, Indonesia)
Galih Istiningsih (PGSD FKIP Universitas Muhammadiyah Magelang, Indonesia)
Septriyati Purwandari (PGSD FKIP Universitas Muhammadiyah Magelang, Indonesia)

185-193

◦ [PDF](#)

[DOI : 10.31316/esjurnal.v9i2.2303](https://doi.org/10.31316/esjurnal.v9i2.2303)

Abstract View : 159

PDF downloads: 164

**IMPROVING ONLINE LEARNING THROUGH ZOOM MEETING MEDIA IN
CLASS 2nd at SD MUHAMMADIYAH BANTUL CITY****Maya Kartika Sari, Vivi Rulviana, Suyanti Suyanti**
Universitas PGRI Madiun Indonesia

Received : 22-06- 2022

Accepted : 29-07-2022

Published : 30-07-2022

Abstract

This study aims to determine the improvement of online learning through Zoom Meeting media at SD Muhamadiyah Bantul City, especially grade 2nd in elementary school. This type of research is qualitative with a case study approach. Sources of data in this study were grade 2nd teachers, students and parents of grade 2nd at SD Muhammadiyah Bantul Kota. Data collection techniques using interviews, observation, and documentation. Data analysis used triangulation of data sources. The results showed an increase in student learning in the form of increasing student understanding in receiving subject matter, students enjoying learning more, teachers and students can interact directly through zoom meetings, foster student interest in learning, teachers can better understand the character of students, students can work on practice questions with good, and parents can unite student learning to be more optimal.

Keywords: online learning, zoom meeting, media**INTRODUCTION**

The current COVID-19 pandemic is increasingly showing a significant increase in data. The government's plan to open schools during the COVID-19 pandemic in July 2021 had to be postponed due to the large number of new COVID-19 clusters that emerged. The increasingly widespread COVID-19 pandemic has led to the implementation of the PPKM emergency policy by closing all tourist attractions that cause crowds, closing malls throughout Indonesia, reducing gatherings and hanging out in restaurants and issuing a take away to not dine in policy. restaurants or restaurants, curfew restrictions and the closure of most roads to reduce mobility.

The emergency PPKM period requires all people to stay at home, work and study from home, maintain health and increase body immunity by maintaining distance (social distancing), always wearing double masks (medical masks and cloth masks) when leaving the house and indoors. if needed. there is. other people

who are not the nuclear family, always maintain hand hygiene by washing hands using soap or hand sanitizer, reducing gatherings or events or community activities that can invite crowds and create new clusters of covid-19, increase immunity by participating in the covid vaccine - 19 also meet the intake of nutritious foods such as fruit and vegetables. With strict health protocols during this emergency PPKM period, it is hoped that every activity can suppress and suppress the rate of increase and spread of COVID-19 in Indonesia.

The COVID-19 pandemic has also had an impact on the world of education. School closures and the elimination of face-to-face learning require that every child receive learning from home through an online learning platform. Although there are some schools that limit face-to-face meetings in rural areas in green zones. This is due to network difficulties, and limited internet quota. During the Covid-19 pandemic, online learning is almost done all

over the world, but so far online learning has never been done simultaneously in the world (Sun et al., 2020).

Learning is done from home to reduce community mobility and implement social distancing. The government's policy for social distancing is very important to be implemented during this COVID-19 pandemic to suppress the rate of transmission of Covid-19 and increase the number of Covid-19 cases. Therefore, all teaching and learning activities carried out at schools and universities must be carried out at home or online to prevent the spread of COVID-19.

Online learning is learning using internet network facilities with accessibility, network connectivity, time flexibility, and the ability to bring up various types of learning interactions during online learning. This can be done in the opinion of Kuntarto (2017) which states that online learning is learning that can bring together students or students or teachers or students or teachers or the same learning ceiling to carry out learning with the help of internet connectivity. At the level of online learning requires the support of supporting equipment, namely laptops and smartphones that can be used to access information flexibly (Gikas & Grant, 2013).

Online learning is not only carried out in universities and secondary schools, but also carried out at the elementary level because of the opening and closing of schools with a face-to-face system. SD Muhammadiyah Bantul City is one of the schools that implements online or brave learning, this is because the school is trying to reduce and suppress the spread of the covid-19 virus, so that learning is carried out at home through available media.

This is in accordance with the results of research from Wahyu Aji (2020) who stated in his research entitled "The Impact of Covid-19 on the Implementation of Online Learning in Elementary Schools", the results of the study stated that the impact of COVID-19 -19 on the implementation of bold learning in elementary schools can be

implemented properly. . Learning that is usually done at school is now learning at home using various applications such as the teacher's room, classroom, zoom, google doc, google from, or through whatsapp groups. Learning activities can run well and effectively in accordance with the creativity of the teacher in providing material and exercises to students, from practice questions that students do can be used for students' daily scores. This is beneficial for students because Danin Haqien (2020) in his research results using Zoom Meetings is considered less effective in learning in learning, but learning zoom meetings is considered less effective in learning by using Zoom Meetings. in writing or via chat rooms.

Based on the results of interviews, observations and previous references, researchers are interested in knowing how zoom meetings can improve student learning in terms of increasing students' understanding of the subject matter, improving communication with students and increasing teacher interaction with grade 2nd at SD Muhammadiyah Bantul City students.

Online learning

Online learning is a learning activity carried out by utilizing internet devices to make learning more interesting, innovative, creative, fun, and independent. online by the teacher the delivery of learning materials and information carried out by the teacher through video conference or interactive video, zoom meeting, google meet, video call, workspeed, and youtube. The purpose of online learning is for students to better understand the material, the teacher not only gives assignments but the teacher can interact with students during the online learning process through the zoom meeting ceiling, google meet or whatsapp video call.

The view of Marcovic (2010) suggests that online learning really needs human resources (teachers and parents who master internet of things technology, this is because learning is brave to do by using the

internet as the main media in the learning process. Astini (2020) states that online learning is very demanding for teachers, students and parents to understand technology where information technology has a very important role in the online learning process, especially in the COVID-19 pandemic situation. for students (Rahayu et al., 2020; Sulistiani, S., Haryanto, H., & Atmojo, S. E. 2022).

Meeting Zoom App

In the era of the industrial revolution 4.0 and welcoming the era of society 5.0 as it is today, there are many digital platforms that can be used to support the implementation of online teaching and learning activities such as: E-learning, Zoom meetings, Google Meet, Edmodo, V-Class, Youtube Live, worksheets, Webex, telegram, google duo, Whatsapp and many other apps. The results of a survey conducted by Statqoanalytics, a data analytics consulting company, (2020) show that the most widely used and most frequently used learning application platform as an online learning platform is the Zoom meeting application.

Zoom meeting is an interactive video communication application based on cloud computing made by an American company. The founder of the Zoom Meeting app, Eric Yuan, launched in 2011 with offices in San Jose, California. This application provides remote conferencing services by combining video conferencing, chat rooms, online meetings to mobile collaboration (Latifah, 2020; Atmojo, S. E., & Lukitoaji, B. D. 2021).

This Zoom Meeting application can be accessed through windows, linux, ios, mac os, websites, and android. The availability of various features in the Zoom Meeting application that can also be used in the learning process such as meetings and chat or chat rooms, video webinars, conference rooms, telephone systems, and marketplaces is one of the advantages that makes this application widely used as a means of learning and teaching.

This application is not only used for learning but can be used for office matters and other social activities. This zoom meeting application is free so that it can be used by anyone with a time limit of forty minutes but there is no time limit if our account is paid. In this Zoom Meeting application, we can communicate, interact directly with anyone via video conference. Therefore, the Zoom Meeting application is indeed suitable for use as a learning medium.

Zoom Meeting learning benefits

Zoom can be categorized as an online learning media which can be interpreted as a type of teaching and learning that allows the delivery of teaching materials to students using Internet media. Online learning media as an alternative to electronic-based learning provides many benefits, especially for the educational process carried out by distance. In making online learning media, it is necessary to consider their expectations and goals in participating in online learning media, speed in accessing the internet or network, bandwidth limitations, costs for internet access, and background knowledge regarding readiness to participate in learning (Brahma, 2020; Atmojo, S. E. 2022).

The use of video conferencing in distance learning will greatly assist students in learning because educators can interact even in different places. To stimulate all aspects of development in students cannot be separated from learning media, this is because students learn to use real learning media, and with this learning media students can run effectively (Zaini & Dewi, 2017). The use of video conferencing has a very good role, especially if it is done properly (Hyder et al., 2007; Ananda, P. D., & Atmojo, S. E. 2022). Learning using Zoom can be achieved, one of which is by using learning media in the learning process that is in accordance with the situation and conditions, both from the content of the material or the state of the student environment. Submission of a concept to

students will be conveyed well if the concept requires students to be directly involved in it.

Learning media in online learning is used as a tool to improve the efficiency and effectiveness of learning. Learning media is used to achieve goals such as making clear messages visually so that they are not too verbal. Overcome the limitations of space, time and the five senses. Accelerate the learning and teaching process, create enthusiasm in learning, provide opportunities for students to interact directly with their environment and the reality on the ground, and provide opportunities for students to learn independently based on their abilities and interests (Sandiwano. 2016),

METHOD

This research is a qualitative descriptive research method. Descriptive method basically attempts to describe or explain a social phenomenon. In this study to determine the increase in online learning through Zoom Meeting media at SD Muhamadiyah Bantul City, especially grade 2nd SD. Research time from March 2021 to June 2021. Research Subjects: Teachers, students and parents. Data analysis technique with Miller and Hubermas model.

RESULTS AND DISCUSSION

Online learning that is implemented in Indonesia is the impact of the covid-19 pandemic so that learning is carried out online. Learning that was originally through face-to-face (offline) has turned into online or online learning so that face-to-face meetings are done virtually through a ceiling zoom meeting.

Difficulties in operating gadgets are also an obstacle faced by parents in accompanying children to study at home during the Covid-19 pandemic. This is in line with other research which states that in online learning, not all parents are able to operate gadgets because some parents are still not technology literate (Lestari & Gunawan, 2020).

At the beginning of online learning, it was done through the WhatsApp group application, because not many parents and students were familiar with online media such as Zoom Meeting, Google Classroom, Video Call, and Google Meet. Besides the limited quota, the difficulty of signaling and the ability of teachers who still need further learning about these online ceilings. The school then held trainings that supported the abilities and skills of teachers in utilizing information technology, and online learning ceilings such as google classroom, zoom meeting, whatsapp group, youtube, interactive learning media and google meet. In addition, the teacher provides tutorials and trials of using the zoom ceiling for parents and testing the use of zoom meetings on students.

The results of observations, at the beginning of the learning trial using the zoom meeting, there were still parents who had difficulty operating the use of the zoom meeting, the availability of electronic tools and devices that support online learning, and signal problems. or network and insufficient quota availability for online learning. . However, because the zoom meeting application is often used in learning, many teachers, parents and students are already proficient and can adapt to online platforms.

Online learning has a positive impact on students, namely it can make students have time to study, they can study anytime. Students can interact directly with teachers using several applications such as Google Classroom, Zoom Meeting, or through WhatsApp groups. In online learning, teachers must strive to be innovative and creative in making varied learning media and teaching methods.

The success of learning and improving student learning depends on students, teachers and parents. Anita Wardani (2021) states that parents can help guide children to learn from home and are able to activate teachers at school, so the role of parents in achieving learning goals

and guiding children during learning is very important.

This is in line with what was expressed by S1 (HWG.S1.04.2021) as a teacher in Mubata, that "during this covid-19 period students study at home with the help of their parents, the role of parents greatly determines the success of learning activities, apart from being fully supported by the role of parents, parents, as well as the activities of teachers and students themselves. This statement. by As (HWGAs.03.2021), which states that during the current pandemic, teachers must be able to utilize various learning media for online meetings, classrooms, whatsapp groups, and so on, so that students can control their learning". As Nakayama (2007) states that of all learning methods, media and literature or subject matter in e-learning, the learning success achieved depends on the characteristics of students, the role of parents and factors in the student's learning environment.

The selection of internet based learning media technology must be considered appropriately, because in order to be effective and efficient online learning can be beneficial for the development and understanding of student learning. In this case, a teacher must be able to understand the principles and factors that can affect the effectiveness of digital technology and conduciveness in the learning process (Putrawangsa & Hasanah, 2018). One of the online learning that can be implemented for students is zoom meeting. Zoom meeting learning can replace learning that is usually done face-to-face in class into virtual face-to-face activities through the help of a zoom meeting application that is connected to the internet network.

The results of the interview with the teacher Rk, (HWG.Rk.03.2021), stated that "learning in the current semester all teachers are required to use the google classroom platform for giving their assignments, and online learning through google meet and zoom meetings to explain the subject matter so that there is interaction

and communication as well as closeness with students.

Teacher HL (HWG.HL.04.2021) added "when zooming in with children, he also added online learning as well as using zoom meetings, google classrom, video calls, and google meet, so that students understand the material better and get to know the teachers who teach" .

In addition, the results of an interview with Bk, (HWO.Bk.04.2021) parents or guardians of grade 2 students stated that "Learning through zoom meetings is more effective than other learning platforms such as WhatsApp groups, because children can interact with teachers".

Student guardian Ca (HWO.Ca.03.2021) added that "The use of zoom meetings in online learning during the COVID-19 pandemic is currently considered effective for improving student learning, because students can communicate with teachers face-to-face".

From the results of these interviews, it can be concluded that learning using zoom meeting media is very important to be carried out in schools in order to increase interaction with students in learning, through interaction and communication can shape students' personalities to be more enthusiastic and motivated to learn.

Researchers found findings in the field based on observations and interviews that the advantages of learning through zoom meetings are 1). learning can take place flexibly without space, time and place; 2). learning through zoom meetings can build a collaborative, conducive, fun, and exploratory learning environment; 3) learning through zoom meetings can save time and money because learning is done virtually without having to leave the house; 4) learning through zoom meetings can be accessed by anyone and easy to control in learning, and 5) learning through zoom meetings can make it easier for students to directly access references on the internet.

However, learning through zoom meetings has drawbacks, including: 1) teachers and parents must have access to an

adequate web or internet server and a strong signal; 2) when online it takes a lot of time to prepare learning supporting applications in learning; 3) limited student assessment and feedback assignments; 4) limited quota and network difficulties when learning, and 5) online learning through zoom meetings requires resources that master the internet

At SD Muhammadiyah Bantul City, all teachers use zoom meetings in teaching. This is because through zoom meetings, teachers can get to know students better and interact directly with students. This is by Fb HWG.Fb.04.2021) which states that "I prefer to use zoom meetings in teaching and google classroom, this is because through zoom meetings I can meet directly with students and communicate directly with students very pleasantly".

In addition, the use of zoom meetings can improve students' understanding in reviewing the learning being taught. This is in line with the opinion of teacher Rk, (HWG.Rk.03.2021) which states that "students are easier to catch lessons when holding meetings, because students can talk directly, share with each other, and ask questions when there is material that is not clear".

This was also revealed by the student's guardian Ry ((HWO.Ry.03.2021), who stated that during online learning using zoom meetings, children become more aware of the material, can interact better and I can control determining approaches/methods/media, implementing learning and compiling evaluation tools. In terms of making learning objectives, teachers must refer to the development of aspects of development optimally, so that online learning through zoom meetings can improve learning and the quality of students even though they are learning from their homes.

CONCLUSION

Based on the results of the research conducted, it can be said that online learning through zoom meetings can improve the learning of grade 2nd students of SD Muhammadiyah Bantul City. This is

because through learning using zoom meetings, it can improve interaction, communication, and active participation of students in learning so that it is easier to understand the subject matter presented by the teacher. The implementation of zoom meeting learning can improve students' ability in learning and teachers can optimize character planting for students. zoom meeting can improve learning and the quality of students even though they are studying from their own homes.

Online learning through zoom meetings for elementary school children requires appropriate learning media and learning methods. Therefore, the learning process at all levels requires teachers to be more creative, especially in the lower grade elementary school children's education level because grade 2 elementary school students have not realized the importance of learning. Therefore, teachers must be skilled in setting learning objectives, selecting materials,

REFERENCES

- Ananda, P. D., & Atmojo, S. E. (2022). The Impact of the Discovery Learning Model on Problem-Solving Ability and Scientific Attitude of Elementary School Teacher Education Students. *International Journal of Elementary Education*, 6(2).
- Anita Wardani. (2021). Analisis Kendala Orang Tua dalam Mendampingi Anak Belajar di Rumah Pada Masa Pandemi Covid-19. *Jurnal Obsesi: Jurnal Pendidikan Anak Usia Dini*. Volume 5 Issue 1 (2021) Pages 772-782
- Atmojo, S. E. (2022). The Effectiveness Of Virtual Laboratory Assisted Online Science Learning On The Scientific Character Of Elementary School Teachers Candidate. *EDUKATIF: JURNAL ILMU PENDIDIKAN*, 4(3), 4948-4955.
- Atmojo, S. E., & Lukitoaji, B. D. (2021). Adaptasi Pelaksanaan Perkuliahan Mata Kuliah Praktik Pembelajaran

- dalam Masa Pandemi Covid-19. *Kurikula*, 6(2), 406835.
- Dina, L. N. (2020). Respon Orang Tua terhadap Pembelajaran Daring pada Masa Pandemi Covid-19. *THUFULI: Jurnal Ilmiah Pendidikan Islam Anak Usia Dini*, 46-52.
- Gikas, J., & Grant, M. M. (2013). Mobile computing devices in higher education: Student perspectives on learning with cellphones, smartphones & social media. *Internet and Higher Education*. <https://doi.org/10.1016/j.jheduc.2013.06.002>
- Ismawati, D., & Prasetyo, I. (2021). Efektivitas Pembelajaran Menggunakan Video Zoom Cloud Meeting pada Anak Usia Dini Era Pandemi Covid-19. *Jurnal Obsesi: Jurnal Pendidikan Anak Usia Dini*, 5, 665-675. doi:10.31004/obsesi.v5i1.671.
- Kuntarto, E. (2017). Keefektifan Model Pembelajaran Daring dalam Perkuliahan Bahasa Indonesia di Perguruan Tinggi. *Indonesian Language Education and Literature*, 3(1), 99-110. 10.24235/ileal.v3i1.1820.
- Lestari, A., & Gunawan. (2020). *The Impact of Covid-19 Pandemic on Learning Implementation of Primary and Secondary School Levels*. *Indonesian Journal of Elementary and Childhood Education*, Vol. 1 No. 2 58-63.
- Marhamah. (2021). Implementasi Penggunaan Aplikasi Zoom Meeting dalam Pembelajaran Daring di TK Kemala Bhayangkari 11 Purwakarta. *Indonesian Journal of Community Services in Engineering and Education (IJOCSEE)* Vol. 1, No. 1 (2021) pp. 56-64
- Monica, J., & Fitriawati, D. (2020). Efektivitas Penggunaan Aplikasi Zoom sebagai Media Pembelajaran Online pada Mahasiswa saat Pandemi Covid-19. *Jurnal Communio : Jurnal Ilmu Komunikasi*, 9 (2), 1630-1640.
- Putra, N. P. (2020). Solusi Pembelajaran Jarak Jauh Menggunakan Aplikasi Zoom dan WhatsApp Group di Era New Normal pada Warga Belajar Paket C di Pusat Kegiatan Belajar Masyarakat (PKBM) Bina Insani. *JIPSINDO*, 7 (2), 162-176.
- Sulistiani, S., Haryanto, H., & Atmojo, S. E. (2022). Model Pembelajaran Jigsaw untuk Menumbuhkan Motivasi dan Hasil Belajar Mahasiswa Pendidikan Guru Sekolah Dasar Pada Pembelajaran IPA. *Jurnal Penelitian dan Pengembangan Pendidikan*, 6(2).
- Sun, L., Tang, Y., & Zuo, w. (2020). Corona Virus Pushes Education Online. *Nature Materials*, 687-687. Doi: <https://doi.org/10.1038/s41563-020-0678-8>.
- Winarsieh, I., & Rizqiyah, I. P. (2020). Peranan Guru dalam Pembelajaran Daring pada Masa Pandemi Covid-19. *Indonesian Journal of Teacher Education*, 1 (4), 159-164.