

HASIL CEK_Technology Readiness and Learning Outcomes of Elementary School Students during Online Learning in the New Normal Era

by Universitas Ahmad Dahlan Yogyakarta 45

Submission date: 03-Nov-2023 12:00PM (UTC+0700)

Submission ID: 2216013677

File name: School_Students_during_Online_Learning_in_the_New_Normal_Era.pdf (268.89K)

Word count: 4029

Character count: 22952

Technology Readiness and Learning Outcomes of Elementary School Students during Online Learning in the New Normal Era

¹Ika Maryani*, ²Siti Latifah, ³Laila Fatmawati, ⁴Vera Yuli Erviana, ⁵Fitri Nur Mahmudah

¹⁻⁴Universitas Ahmad Dahlan Yogyakarta, Jalan Ki Ageng Pemanahan No.19 Sorosutan Yogyakarta, Indonesia,

⁵Universitas Ahmad Dahlan Yogyakarta, Jalan Pramuka No. 42, Sidikan, Yogyakarta, Indonesia

ABSTRACT

Technology readiness is a condition where students are prepared to support the success of online learning during the COVID-19 pandemic. Good technology readiness will support learning and have an impact on student learning outcomes. This study aimed to determine the influence of fourth grade elementary school students' technology readiness on their online learning outcomes in the new normal era. The current research was conducted using a quantitative method through a survey on 93 elementary school students in Kretek District, Bantul, Yogyakarta, Indonesia. Samples were taken randomly using an incidental system from all fourth grade elementary school students with a population of 122 students. The technology readiness data were collected using a closed-ended questionnaire containing 20 statements, while data on learning outcomes were gathered from the students' final exam results. Data analysis was conducted using descriptive and inferential statistics. The results showed that technology readiness has a positive influence on student learning outcomes. Hypothesis testing using simple linear regression test revealed that at a significance level of 0.000 (< 0.05), the t -calculated (8.496) $>$ t table (1.701). Thus, it can be concluded that technology readiness has a significant effect on fourth grade students' learning outcomes in the new normal era. It can be concluded that technology readiness has a significant effect on the learning outcomes of fourth grade students in the new normal era. The aspect of technology readiness supports students' ability to manage digital learning resources, digital platforms, and learning devices. The learning process using digital learning resources will run optimally and have an impact on the achievement of learning outcome.

Keywords: Technology Readiness, Online Learning, Learning Outcomes.

INTRODUCTION

The pandemic of COVID-19 has created substantial changes in society, particularly in education. Especially at the primary school level, the modifications made to the education system make it difficult for teachers to convey content and for students to comprehend subject matter. Elementary schools are educational institutions that provide a six-year curriculum for children aged 6 to 12 years (Çimen & Koçyiğit, 2010; Dere, 2019). According to Piaget, children ages 7 to 11 are in the concrete operational stage, when they learn to use real-world examples in everyday situations (Piaget, 1972). Therefore, elementary pupils find it difficult to comprehend abstract concepts (Maryani et al., 2018; Sahin & Yilmaz, 2020). However, current online learning in schools substantially reduces student-teacher and student-learning media interactions. This system poses a challenge for educational human resources, including teachers, students, institutions, and even parents in the community. All relevant stakeholders must actively assist students in learning and acquiring the needed competencies.

During this pandemic, the government has established a temporary policy for distance learning (Azhari & Fajri, 2021; Giatman et al., 2020). However, one of Jogja's subdistricts, Bantul in the Kretek subdistrict, has begun implementing an odd-even system in its schools. Current elementary schools in the Kretek District use a Blended learning system that combines online

and offline learning. This is consistent with the decision by the municipal government of Yogyakarta to permit schools to hold face-to-face meetings twice or once each week. This is done to prevent the transmission of the COVID-19 virus.

Today's educators must find out how to deliver learning materials that are easily accepted by students. Fundamentally, elementary school students are children who have not been able to effectively comprehend the information when learning is not face-to-face (Giatman et al., 2020). Similarly, Piaget's theory

Corresponding Author: ika.maryani@pgsd.uad.ac.id

<https://orcid.org/0000-0002-7154-2902>

How to cite this article: Maryani I, Latifah S, Fatmawati L, Erviana VY, Mahmudah FN (2023). Technology Readiness and Learning Outcomes of Elementary School Students during Online Learning in the New Normal Era. Pegem Journal of Education and Instruction, Vol. 13, No. 2, 2023, 45-49

Funding: This research was funded by Pendanaan Riset Inovatif (RISPRO) Lembaga Pengelola Dana Pendidikan, Indonesia.

Conflict of Interest: This research does not have a conflict of interest with anyone or any institution

DOI: 10.47750/pegegog.13.02.06

Received : 05.07.2022

Accepted : 06.09.2022

Published: 01.03.2023

claims that Children aged 7 to 11 are in the concrete operational stage, employing real-world examples in their everyday lives (Piaget, 1972). According to this theory, elementary school-aged children have trouble comprehending information if they merely visualize it. This is seen by the disparities in student learning outcomes between online and offline instruction. The analysis of learning outcomes on research subjects showed that the increase in children's task scores during online learning was much greater than during face-to-face learning, such as from 70 to 90 or 100. This is possible because parents sometimes assist their children with homework. In actuality, children do not always comprehend the task and because their parents always perform it. Meanwhile, in face-to-face learning, unlike online learning, students display their real cognitive abilities and capabilities (Connolly & Stansfield, 2007; Patricia Aguilera-Hermida, 2020). Students during face-to-face learning also represent the original ability of the students themselves, which vary considerably from student to student.

It is difficult for elementary school teachers to make students feel at ease and willing to take lessons when they are not delivered face-to-face. The usage of the Internet and multimedia technologies can transform the manner in which information is sent and serve as an alternative to classroom-based instruction (Zhang, 2006). The implementation of online education necessitates the use of mobile devices, such as smartphones, laptops, and tablets, that may be used to access information at any time and in any location (Gikas & Grant, 2013). In this instance, it is vital to prepare students for online learning, including ensuring that their technology is ready to enable online learning during the COVID-19 pandemic. With the current state of technology preparedness, the problem of educators distributing learning materials to students can be resolved. During this pandemic, technology has had a significant impact on education.

Technology readiness in online learning is significant since it is useful for solving a problem that emerges in the learning process. Without technology readiness, teachers will have difficulties delivering learning materials to students, and students will also find it difficult to understand the information (Lukas & Yunus, 2021; Tang et al., 2021). In this scenario, technology can be a supporter of the remote learning system, so that learning can achieve the desired goals.

Rogantina (2017) explains that technology plays a crucial role in increasing the quality of education (Ghavifekr & Rosdy, 2015; Raja & Nagasubramani, 2018). Technology can also boost the efficacy and efficiency of the teaching and learning process, which in turn helps the achievement of educational goals (Basheer et al., 2017)(Lu & Liu, 2015). This indicates that technology in education gives benefits to help successful learning during a pandemic. So it can be inferred that technology plays a vital part in learning during the COVID-19 pandemic, which must be done online to break the chain of dissemination of COVID-19.

The effectiveness of online education depends not only on students' technology readiness, but also on their human capital. During the pandemic, student learning outcomes will be affected by the technological preparedness of Human Resources personnel or the elementary school children themselves. Students who possess a high level of technology readiness will undoubtedly achieve better learning outcomes than those who do not. This study intends to examine the effect of technology readiness on the learning outcomes of fourth graders in elementary school.

METHOD

Research design

This study uses a quantitative approach with a survey method. The survey was conducted on technology readiness data and learning outcomes on events that passed so that they are included in ex post facto research. This study aims to find the cause of changes in learning outcomes caused by differences in technology readiness where data occurred in the past.

Participant

This quantitative study surveyed 93 fourth-grade pupils from elementary schools in Kretek District, Bantul, Yogyakarta Special Region, Indonesia. As a method of sampling, simple random sampling was utilized.

Data collection tools

Data on students' technology readiness were taken using a closed-ended questionnaire containing 20 statements, while data on student learning outcomes were collected through secondary data in the form of students' final exam scores written in their semester report cards (Table 1).

Data analysis

The data analysis consisted of descriptive and inferential statistical analysis. It consisted of validity and reliability test, nor-

Table 1. Technology Readiness Indicators (Frerking & Beauchamp, 2016)

Technology readiness indicators	Item No
Basic principles of technology	1,2,3,4
Formulation of technology concepts and their application	5,6
Proof of concept function	7,8
A collection of components in a relevant environment	9,10
Demonstration of a model or prototype in a relevant environment	11,12
System prototype demonstration in an application environment	13,14
Testing of completeness requirements in the application environment	15,16,17,18
Operation success test	19,20

normality test, linearity test, and hypothesis testing using simple linear regression.

FINDINGS

The analysis results related to pupils' technology readiness showed that the majority (95%) of fourth grade students responded very well to the questionnaire. The results of the questionnaire analysis showed that 32.3% of respondents had very low Technology readiness (TR), 26.5% low, 20.4% moderate, 6.5% high, and 14% very high. Although the learning process was done out offline with limited face-to-face meetings, these students showed high satisfaction since they could communicate directly with teachers and classmates. Furthermore, the pupils admitted that it was easier to understand the material that was presented offline. To boost students' knowledge in online learning sessions, teachers usually give light assignments to students. This task is meant so that students can learn and understand the related subject matter independently.

As shown by the results of the hypothesis testing using simple linear regression, task assignment had a considerable impact on the outcomes of online learning. The variables of technology readiness and learning outcomes passed the Kolmogorov-Smirnov normality test with significance levels of 0.188 and 0.339 (> 0.05), respectively. The linearity test requirements were satisfied by the results of the normality test, which indicated that there was no significant difference and there was little perception among observers. Furthermore, the linearity test showed a significance value of $0.638 > 0.05$. This figure indicated that technology readiness and student learning outcomes had a linear relationship. Following the linearity test, simple linear regression was used to test the hypothesis. The findings of the Simple Linear Regression Test indicated that technology readiness had a substantial impact on student learning outcomes ($0.000 < 0.05$, when t -calculated $> t$ -table ($8.496 > 1.701$)). Therefore, H_a was approved and H_o was rejected, where technology readiness had a 98.9% impact on the outcomes of online learning. On the basis of these findings, it can be stated that technology readiness has a significant impact on the online learning outcomes of primary school students in the new normal era.

The technology readiness of elementary school students in Kretek District, Bantul, Yogyakarta Special Region, Indonesia, has a very significant impact on their academic performance. Because students already have a component that promotes online learning, technology readiness can increase student learning outcomes. This is reinforced by Chairudin's (2021) assertion that online learning has a major effect on student achievement. The research of Tutut Faridawati (2011) has also revealed that learning facilities and parental involvement can enhance pupils' mathematical achievement. The study further showed that learning

environments and parental involvement had a 48.2% effect on students' mathematics achievement.

Normality Test

A normality test is used to determine whether the observational data have a normal distribution. In this study, Kolmogorov-Smirnov was used to test for normality. The advantage of the one-sample Kolmogorov-Smirnov normality test is that it is straightforward and does not lead to divergent opinions among observers (Sahab, 2019). Table 2 displays the result of the test for normality of data distribution in this study.

Based on the table above, it can be seen that the asymp.sig values of technology readiness (0.188) and learning outcomes (0.339) are greater than 0.05 hence it can be concluded that the research data were normally distributed. The normality test is a test of difference between the data being tested for normality and the standard normal data. In this study, the significance value is over 0.05. The two variables have met the requirements in the normality test and there is no significant difference between the values of the two variables. The advantage of the normality test utilized is that it does not produce much perception among observers (Table 2).

Linearity Test

A linearity test is used to examine whether or not two variables have a linear connection that is statistically significant. Table 3 summarized the findings of the linearity test conducted in this study.

According to Table 3, the linearity score of 0.638 is greater than 0.05, indicating that there is a linear relationship between technology readiness and learning outcomes (Table 3).

Hypothesis Testing (Simple Linear Regression)

Simple linear regression explores the relationship between the independent and dependent variables. The following are the

Table 2. Normality Test Result
(One-Sample Kolmogorov-Smirnov Test)

	Technology Readiness	Learning Outcomes
N	93	93
Normal Parameters ^{a,b}	Mean	52.17
	Std. Deviation	7.638
Most Extreme Differences	Absolute	.113
	Positive	.113
	Negative	-.081
Kolmogorov-Smirnov Z	1.087	.941
Asymp. Sig. (2-tailed)	.188	.339

a. Test distribution is Normal.

b. Calculated from data.

Table 3. Linearity Test Result

			Sum of Squares	df	Mean Square	F	Sig.
Learning Outcomes* Technology Readiness	Between Groups	(Combined)	405.194	28	14.471	3.329	.000
		Linearity	302.275	1	302.275	69.545	.000
		Deviation from Linearity	102.919	27	3.812	.877	.638
	Within Groups		278.172	64	4.346		
	Total		683.366	92			

Table 4: Result of the Simple Linear Regression Analysis Coefficients

Model		Unstandardized Coefficients		Standardized Coefficients	t	Sig.
		B	Std. Error	Beta		
1	(Constant)	73.361	1.473		49.814	.000
	Technology Readiness	.237	.028	.665	8.496	.000

a. Dependent Variable: Learning Outcomes

provisions of the simple linear hypothesis test: 1) Accept H_a if the probability (p) $\leq 0,05$, indicating that the independent variable has a substantial simultaneous or partial effect on the dependent variable. Table 4 provides an overview of the outcomes of simple linear regression analysis (Table 4).

Table 4 shows t -calculated of 8.496 at a significance level of 0.000. Meanwhile, t -table with $dk = n - 2 = 30 - 2 = 28$ and $\alpha = 0.05$ is 1.701. Therefore, t -calculated (8.496) $>$ t -table (1.701) and the significance value (0.000) $<$ 0.05. Thus, H_0 was rejected and H_a was accepted. This finding indicated that technology readiness had a significant effect on learning outcomes. The research hypothesis saying "Technology readiness has an effect on elementary school students' learning outcomes during online learning in the new normal era" is accepted.

DISCUSSION

The technology readiness of elementary school students in Kretek District, Bantul, Yogyakarta Special Region, Indonesia, has a very significant impact on their academic performance. Hypothesis testing is an indicator of this influence. This is a good relationship to say that technology readiness can support the success of the online learning process. Because students already have a component that promotes online learning, technology readiness can increase student learning outcomes. This is reinforced by research (Bahasoan et al., 2020; Lukas & Yunus, 2021) that online learning has a major effect on students.

The learning facilities and parental involvement can enhance students' academic achievement (Higgins & Katsipataki, 2015; Wright et al., 2018). Parents who provide technology facilities as online learning resources mean to support their students' efforts in learning. The study further from (Higgins & Katsipataki, 2015; Wright et al., 2018) shows that learning environments and parental involvement had a 48.2% effect on students' mathematics achievement. Therefore,

technology readiness is determined from the involvement of parents in providing online learning facilities.

Digital technology simplifies work because it functions swiftly, with quality, effectively, and efficiently (Knox, 2019). The transmission of information is facilitated by technology. Technology use has an effect on student learning motivation because all students can integrate technology into their education (Ahmadi, 2018; Sun & Gao, 2019; Wang, 2015). High motivation allows students to learn independently to master the learning content.

During online learning, the instructor presents the content before assigning homework at the conclusion of the meeting (Martin & Bolliger, 2018). Compared to past studies, the present study demonstrates that learning outcomes can be enhanced when teachers distribute assignments via WhatsApp, Zoom, Google Classroom, and others (Bahasoan et al., 2020; Lukas & Yunus, 2021). The use of technology in online learning enhances students' comprehension of a subject and prevents them from becoming bored easily.

CONCLUSION

On the basis of research conducted in a cluster of elementary schools in Kretek District, Bantul, Yogyakarta Special Region, it can be concluded that in the new normal era, technology readiness has a major impact on the learning outcomes of primary school students during online learning. The linear regression test then revealed that the t -calculated (8.496) was bigger than the t -table (1.701) with a significance level of 0.000 (smaller than 0.05). This value implies acceptance of H_a , suggesting that technology readiness has a positive influence on students' learning outcomes. As a suggestion, teachers should pay attention to students' technological readiness before integrating IT-based learning. Initial diagnostics can be

done by involving reports from parents, reflection on student readiness, and teacher observations in class.

REFERENCES

- Ahmadi, D. M. R. (2018). The Use of Technology in English Language Learning: A Literature Review. *International Journal of Research in English Education*, 3(2), 115–125. <https://doi.org/10.29252/IJREE.3.2.115>
- Azhari, B., & Fajri, I. (2021). Distance learning during the COVID-19 pandemic: School closure in Indonesia. *International Journal of Mathematical Education in Science and Technology*. https://doi.org/10.1080/0020739X.2021.1875072/SUPPL_FILE/TMES_A_1875072_SM9011.DOCX
- Bahasoan, A. N., Wulan Ayuandiani, Muhammad Mukhram, & Aswar Rahmat. (2020). Effectiveness of Online Learning In Pandemic Covid-19. *International Journal of Science, Technology & Management*, 1(2), 100–106. <https://doi.org/10.46729/ijstm.v1i2.30>
- Basheer, A., Hugerat, M., Kortam, N., & Hofstein, A. (2017). The effectiveness of teachers' use of demonstrations for enhancing students' understanding of and attitudes to learning the oxidation-reduction concept. *Eurasia Journal of Mathematics, Science and Technology Education*, 13(3), 555–570. <https://doi.org/10.12973/eurasia.2017.00632a>
- Çimen, N., & Koçyiğit, S. (2010). A study on the achievement level of social skills objectives and outcomes in the preschool curriculum for six-year-olds. *Procedia - Social and Behavioral Sciences*, 2(2), 5612–5618. <https://doi.org/10.1016/j.sbspro.2010.03.915>
- Connolly, T. M., & Stansfield, M. (2007). From e-learning to games-based e-learning: Using interactive technologies in teaching an IS course. *International Journal of Information Technology and Management*, 6(2–4), 188–208. <https://doi.org/10.1504/IJITM.2007.014000>
- Dere, Z. (2019). Investigating the Creativity of Children in Early Childhood Education Institutions. *Universal Journal of Educational Research*, 7(3), 652–658. <https://doi.org/10.13189/ujer.2019.070302>
- Frerking, M. A., & Beauchamp, P. M. (2016). JPL technology readiness assessment guideline. *IEEE Aerospace Conference Proceedings, 2016-June*. <https://doi.org/10.1109/AERO.2016.7500924>
- Ghavifekr, S., & Rosdy, W. A. W. (2015). Teaching and learning with technology: Effectiveness of ICT integration in schools. *International Journal of Research in Education and Science (IJRES)*, 1(2), 175–191.
- Giatman, M., Siswati, S., & Basri, I. Y. (2020). Online Learning Quality Control in the Pandemic Covid-19 Era in Indonesia. *Journal of Nonformal Education*, 6(2), 168–175. <https://doi.org/10.15294/JNE.V6I2.25594>
- Gikas, J., & Grant, M. M. (2013). Mobile computing devices in higher education: Student perspectives on learning with cellphones, smartphones & social media. *The Internet and Higher Education*, 19, 18–26. <https://doi.org/10.1016/J.IHEDUC.2013.06.002>
- Higgins, S., & Katsipataki, M. (2015). Evidence from meta-analysis about parental involvement in education which supports their children's learning. *Journal of Children's Services*, 10(3), 280–290. <https://doi.org/10.1108/JCS-02-2015-0009/FULL/XML>
- Knox, J. (2019). What Does the 'Postdigital' Mean for Education? Three Critical Perspectives on the Digital, with Implications for Educational Research and Practice. *Postdigital Science and Education 2019 1:2*, 1(2), 357–370. <https://doi.org/10.1007/S42438-019-00045-Y>
- Lu, S.-J., & Liu, Y.-C. (2015). Integrating augmented reality technology to enhance children's learning in marine education. *Environmental Education Research*, 21(4), 525–541. <https://doi.org/10.1080/13504622.2014.911247>
- Lukas, B. A., & Yunus, M. M. (2021). ESL teachers' challenges in implementing e-learning during COVID-19. *International Journal of Learning, Teaching and Educational Research*, 20(2), 330–348. <https://doi.org/10.26803/IJLTER.20.2.18>
- Martin, F., & Bolliger, D. U. (2018). Engagement Matters: Student Perceptions on the Importance of Engagement Strategies in the Online Learning Environment. *Learning Journal*, 22(1), 205–222. <https://doi.org/10.24059/olj.v22i1.1092>
- Maryani, I., Husna, N. N., Wangid, M. N., Mustadi, A., & Vahechart, R. (2018). Learning Difficulties of the 5th Grade Elementary School Students in Learning Human and Animal Body Organs. *Jurnal Pendidikan IPA Indonesia*, 7(1), 96–105. <https://doi.org/10.15294/JPII.V7I1.11269>
- Patricia Aguilera-Hermida, A. (2020). College students' use and acceptance of emergency online learning due to COVID-19. *International Journal of Educational Research Open*, 1, 100011. <https://doi.org/10.1016/J.IJEDRO.2020.100011>
- Piaget, J. (1972). Intellectual Evolution from Adolescence to Adulthood. *Human Development*, 15(1), 1–12. <https://doi.org/10.1159/000271225>
- Raja, R., & Nagasubramani, P. C. (2018). Impact of modern technology in education. *Journal of Applied and Advanced Research*, 2018(3), 33–35. <https://doi.org/10.21839/jaar.2018.v3S1.165>
- Sahin, D., & Yilmaz, R. M. (2020). The effect of Augmented Reality Technology on middle school students' achievements and attitudes towards science education. *Computers & Education*, 144, 103710. <https://doi.org/10.1016/J.COMPEDU.2019.103710>
- Sun, Y., & Gao, F. (2019). An investigation of the influence of intrinsic motivation on students' intention to use mobile devices in language learning. *Educational Technology Research and Development 2019* 68:3, 68(3), 1181–1198. <https://doi.org/10.1007/S11423-019-09733-9>
- Tang, Y. M., Chen, P. C., Law, K. M. Y., Wu, C. H., Lau, Y. yip, Guan, J., He, D., & Ho, G. T. S. (2021). Comparative analysis of Student's live online learning readiness during the coronavirus (COVID-19) pandemic in the higher education sector. *Computers & Education*, 168, 104211. <https://doi.org/10.1016/J.COMPEDU.2021.104211>
- Wang, A. I. (2015). The wear out effect of a game-based student response system. *Computers & Education*, 82, 217–227. <https://doi.org/10.1016/J.COMPEDU.2014.11.004>
- Wright, K. B., Shields, S. M., Black, K., & Waxman, H. C. (2018). The Effects of Teacher Home Visits on Student Behavior, Student Academic Achievement, and Parent Involvement. *School Community Journal*, 28(1).
- Zhang, L. (2006). Effectively incorporating instructional media into web-based information literacy. *Electronic Library*, 24(3), 294–306. <https://doi.org/10.1108/02640470610671169/FULL/XML>

HASIL CEK_Technology Readiness and Learning Outcomes of Elementary School Students during Online Learning in the New Normal Era

ORIGINALITY REPORT

21%

SIMILARITY INDEX

17%

INTERNET SOURCES

11%

PUBLICATIONS

4%

STUDENT PAPERS

PRIMARY SOURCES

- 1 Ratih Bayuningsih, Fajar Sidik. "Factors Related to Stress in Children with Online Media Learning Methods during a Pandemic at Jaya Mulya 1 Elementary School, Karawang-Indonesia", Cold Spring Harbor Laboratory, 2022
Publication 1%
- 2 philosophy.tabrizu.ac.ir
Internet Source 1%
- 3 Tengku Muhammad Sahudra, Raja Novi Ariska, Nursamsu Nursamsu. "The Initiatives to Strengthen Teachers' Online Learning Skills During the Covid-19 Pandemic", AL-ISHLAH: Jurnal Pendidikan, 2021
Publication 1%
- 4 www.coursehero.com
Internet Source 1%
- 5 scipg.com
Internet Source 1%

6	www.mdpi.com Internet Source	1 %
7	ijies.sie.telkomuniversity.ac.id Internet Source	1 %
8	usnsj.com Internet Source	1 %
9	Nadhifa Salsabillah Riyadi, Nur Rohmah Hidayatul Qoyyimah. "The Effect of Friendship on Loneliness in Post-Pandemic Overseas Students", KnE Social Sciences, 2023 Publication	1 %
10	text-id.123dok.com Internet Source	1 %
11	Submitted to Universitas Islam Indonesia Student Paper	1 %
12	Submitted to Universitas Negeri Padang Student Paper	1 %
13	awej.org Internet Source	1 %
14	Tririndi Krisna Nuralim, Erna Dwinata. "Learning to read through google classroom for undergraduate EFL students in Indonesia", SALEE: Study of Applied Linguistics and English Education, 2022 Publication	<1 %

15	www.atlantis-press.com Internet Source	<1 %
16	www.ncbi.nlm.nih.gov Internet Source	<1 %
17	repository.unj.ac.id Internet Source	<1 %
18	journal.uinsgd.ac.id Internet Source	<1 %
19	www.neliti.com Internet Source	<1 %
20	Xiaoyan Li, Yaxin Tan, Yuanqing Wei, Lei Zhou. "Research on Factors Affecting Online Learning Stickiness among College Students from the Perspective of NAM-TPB Integration", Research Square Platform LLC, 2023 Publication	<1 %
21	dspace.uii.ac.id Internet Source	<1 %
22	journal.ummat.ac.id Internet Source	<1 %
23	jurnal.fkip.unila.ac.id Internet Source	<1 %
24	Naomy Jepchumba, Prof Patrick Karanja Ngugi, Prof Romanus Odhiambo, Dr Noor	<1 %

Ismail Shale. "Freight Management and Performance of Food and Beverage Manufacturing Firms in Kenya", International Journal of Managerial Studies and Research, 2022

Publication

25

Raj Kishor Kampa. "Opening to open source", Global Knowledge, Memory and Communication, 2018

Publication

26

Neha Tuli, Gurjinder Singh, Archana Mantri, Shivam Sharma. "Augmented reality learning environment to aid engineering students in performing practical laboratory experiments in electronics engineering", Smart Learning Environments, 2022

Publication

27

e-journal.usd.ac.id

Internet Source

28

espace.curtin.edu.au

Internet Source

29

repository.uki.ac.id

Internet Source

30

Testiana Deni Wijayatiningsih, Muhammad Muhibbi, Dodi Mulyadi, J-Roel B.Semilla. "Integrating Hybrid Learning and Team-Based

<1 %

<1 %

<1 %

<1 %

<1 %

<1 %

Project in EFL Writing Class", JEES (Journal of English Educators Society), 2023

Publication

31 Submitted to Universitas Sebelas Maret <1 %
Student Paper

32 eprajournals.com <1 %
Internet Source

33 etd.uwc.ac.za <1 %
Internet Source

34 etheses.uin-malang.ac.id <1 %
Internet Source

35 journal.unnes.ac.id <1 %
Internet Source

36 repository.unej.ac.id <1 %
Internet Source

37 Abdulnaser A. Fakhrou, Sara A. Ghareeb. "The Effectiveness of a Proposed Program Titled (Creativity Lamp) in Raising the Primary School Students' Academic Achievement and Promoting Creativity among Them in Kuwait", Journal of Curriculum and Teaching, 2020 <1 %
Publication

38 dergipark.org.tr <1 %
Internet Source

39 ejournal.poltekkes-smg.ac.id <1 %
Internet Source

40	ejournal.uin-suka.ac.id Internet Source	<1 %
41	ejournal.upbatam.ac.id Internet Source	<1 %
42	ijosmas.org Internet Source	<1 %
43	jurnal.fkip.unmul.ac.id Internet Source	<1 %
44	repository.uinjambi.ac.id Internet Source	<1 %
45	saga.ukdw.ac.id Internet Source	<1 %
46	www.esd-conference.com Internet Source	<1 %
47	www.randwickresearch.com Internet Source	<1 %
48	"Online Teaching and Learning in Asian Higher Education", Springer Science and Business Media LLC, 2023 Publication	<1 %
49	Jackson Pasini Mairing, Rhodinus Sidabutar, Elyasib Yunas Lada, Henry Aritonang. "Synchronous and asynchronous online learning of advanced statistics during Covid-19 pandemic", JRAMathEdu (Journal of	<1 %

Research and Advances in Mathematics Education), 2021

Publication

50

Simon M. Panjaitan, Agusmanto J. B. Hutauruk, Christina Sitepu, Sanggam P. Gultom et al. "IMPLEMENTATION OF ONLINE LEARNING AND ITS IMPACT ON LEARNING ACHIEVEMENTS OF MATHEMATICS EDUCATION STUDENTS", Infinity Journal, 2023

Publication

<1 %

51

society.fisip.ubb.ac.id

Internet Source

<1 %

Exclude quotes On

Exclude matches Off

Exclude bibliography On