

OriginalArticle

**COMPARISON BETWEEN 2 ELEMENTARY SCHOOLS ABOUT BARRIERS IN ONLINE LEARNING FOR TEACHERS DURING PANDEMIC COVID-19 IN KEMILING DISTRICT BANDAR LAMPUNG CITY 2023**Uswatun Hasanah<sup>1)\*</sup>, Rilyani<sup>2)</sup>, Riska Wandini<sup>2)</sup><sup>1)</sup> Faculty of Health Sciences, Malahayati University<sup>2)</sup> Nursing Study Program, Malahayati University\*Corresponding, E-mail : [simahayarily@gmail.com](mailto:simahayarily@gmail.com)**ABSTRACT**

**Background.** There are still many teachers who have learning barriers during the pandemic. Teachers from Elementary School 2 Beringin Raya and teachers from Elementary School 2 Sumberejo who had learning obstacles with students such as network constraints, learning applications, parental conditions, limited student learning devices because mobile phones were brought by working parents and lack of supervision.

**Research Purpose.** To find out the comparison of online learning barriers for elementary school teachers during the Covid-19 pandemic at Elementary School 2 Beringin Raya and Elementary School 2 Sumberejo in Kemiling District, Bandar Lampung City.

**Research Method.** Quantitative research with Cross-Sectional approach. The study was conducted on 73 respondents using total sampling technique. Sampling technique using online learning barriers questionnaire during the Covid-19 pandemic.

**Findings.** The hampered at Elementary School 2 Sumberejo is that the average score of 76.86 is higher (bad) than the average score at Elementary School 2 Beringin Raya is 71.16 lower (good). When compared using the statistical test Mann-Whitney test, there is also a difference in Mean Rank between Elementary School 2 Sumberejo 42.49 and Elementary School 2 Beringin Raya 31.66. There is a significant difference in value between Elementary School 2 Sumberejo and Elementary School 2 Beringin Raya with a p-value of 0.001.

**Conclusion.** There is a difference in online learning barriers between the two elementary schools in Kemiling District, Bandar Lampung City in 2023. The teacher who was most hampered by learning during the Covid-19 pandemic was Elementary School 2 Sumberejo.

**Keywords:** Barriers, Covid-19 Pandemic, Learning, Online.

**BACKGROUND**

The pandemic is a phenomenon that is certainly not wanted by anyone, including the sector for citizens in Indonesia. With the emergence of the Covid-19 outbreak in Indonesia, many sectors have undergone changes with various restrictions and strict implementation of health protocols [1]. The sectors affected by this outbreak are not only in the economic sector. But all derivatives from the economic sector are very widely affected, including the manufacturing, transportation, social, food, and education sectors. A sector that cannot be underestimated is education [2].

Teachers as the frontline in education have the duty to teach, educate, provide assessment and evaluation so as to provide moral and mental support to students [3]. The teaching and learning process carried out by teachers and students is usually carried out at

school or through direct interaction without any intermediary media . However, in recent months the duties of the teachers mentioned previously have changed in the learning process, this happened because of an outbreak that attacked the world, including Indonesia [4]

Based on global data related to the development of Covid-19, there are 581,686,197 confirmed global data, deaths in 232 infected countries, and 169 confirmed cases. Based on Covid-19 data in Indonesia, the number of people examined was 68,892,564. 6,249,403 confirmed Covid-19 [5]. Based on data related to Covid-19 in Lampung Province. Total confirmed cases with a total of 76,090. Based on covid-19 data from Bandar Lampung City. Probable 2, suspect 0, positive 11,384,cured 10,577. And 798 died

Obstacles related to the implementation of learning began to be felt by teachers, namely: Learning applications, internet networks, learning management learning assessment, lack of supervision. The results of the research survey found problems such as "Online learning barriers for teachers of Elementary School 2 Beringin Raya and Elementary School 2 Sumberejo during the Covid-19 pandemic in Kemiling District, Bandar Lampung City. Based on interviews (observations) conducted with teachers in online learning, it was found that there are still many teachers who have learning barriers during the pandemic. It was found that there were (54.05%) teachers from Elementary School 2 Beringin Raya and (27.77%) teachers from Elementary School 2 Sumberejo who had learning obstacles with students such as, network constraints, learning applications, parental conditions, limited student learning devices because mobile phones were brought by working parents and lack of supervision [6]. Based on the description above, the research is interested in conducting a research entitled "Comparison Between 2 Elementary Schools About Barriers In Online Learning For Teachers During Pandemic Covid 19 In Kemiling District Bandar Lampung City 2023"

## RESEARCH METHOD

The type of research used in this study is quantitative using observational analytical methods. With a Cross-sectional approach, this study was used to determine the comparison of online learning barriers for teachers during the Covid-19 pandemic in 2 elementary schools in Kemiling District, Bandar Lampung City in 2023. The study was conducted on 73 respondents using total sampling technique. Sampling technique using online learning barriers questionnaire during the Covid-19 pandemic.

## FINDINGS

Table 1

Average Online Learning Barriers of Elementary School 2 Beringin Raya (N=37)				
Variable	Mean	Min-Max	Sdt.Deviantion	CI 95%
Elementary School 2 Beringin Raya	71,16	(36-84)	11,049	(67,48-74,85)

Based on table 1, it is known that the variables of Elementary School 2 Beringin Raya teachers who were hampered during online learning activities during the Covid-19 pandemic were an average value of 71.16 with a Min-Max value (36-84), a Sdt.Deviantion value of 11,049, and a CI value of 95% (67.48-74.85).

Table 2  
Average Online Learning Barriers at Elementary School Sumberejo (N=36)

Variable	Mean	Min-Max	Sdt.Deviantion	CI 95%
Elementary School 2 Sumberejo	76.86	(62-88)	4.135	(75.46-78.26)

Based on table 2, it is known that the variables of Elementary School 2 Sumberejo teachers who were hampered during online learning activities during the Covid-19 pandemic were an average score of 76.86 with a Min-Max value (62-88), a Sdt.Deviantion value of 11,049, and a CI value of 95% (75.46-78.).

Table 3  
Comparison of Online Learning Barriers of Elementary School 2 Beringin Raya and Elementary School 2 Sumberejo (N = 73)

No	Variable	N	Mean+SD	Mean Rank	U	P-Value
1	Elementary School 2 Beringin Raya	37	71.16+11.049	31.66	468.500	0.001
2	Elementary School 2 Sumberejo	36	76.86+4.135	42.49		

The results of the statistical test obtained P-Value = 0.001 which means  $p < \alpha = 0.05$  (Ha accepted and Ho rejected), it can be concluded that there is a comparison of online learning barriers at Elementary School 2 Beringin Raya and Elementary School 2 Sumberejo.

## DISCUSSIONS

Frequency Distribution of Online Learning Barriers at Elementary School 2 Beringin Raya and Elementary School 2 Sumberejo. Based on table 1, it is known that the variables of Elementary School 2 Beringin Raya teachers who were hampered during online learning activities during the Covid-19 pandemic were an average value of 71.16 with a Min-Max value (36-84), a Sdt.Deviantion value of 11,049, and a CI value of 95% (67.48-74.85).

Based on table 2, it is known that the variables of Elementary School 2 Sumberejo teachers who were hampered during online learning activities during the Covid-19 pandemic were an average score of 76.86 with a Min-Max value (62-88), a Sdt.Deviantion value of 11,049, and a CI value of 95% (75.46-78.)

Comparison of Online Learning Barriers of Elementary School 2 Beringin Raya and Elementary School 2 Sumberejo. Based on table 3 The difference between online learning barriers at Elementary School 2 Beringin Raya and Elementary School 2 Sumberejo, which is hampered at Elementary School 2 Sumberejo, is that the average score of 76.86 is higher (bad) than the average score at Elementary School 2 Beringin Raya is 71.16 lower (good) and there are differences. Or when compared using the statistical test Mann-Whitney test, there is also a difference in Mean Rank between Elementary School 2 Sumberejo 42.49 and Elementary School 2 Beringin Raya 31.66. The difference in online learning barriers for Elementary School 2 Beringin Raya teachers is that online learning cannot be applied properly because it is constrained by limited student learning tools where teachers explain

the material only using the Classroom application and WhatsApp Group. From the obstacles implemented in learning planning, there is a lack of ability to use technology so that it can result in the learning process being less optimal for parents, hampered implementation of learning due to the absence of internet and limited quotas for underprivileged students. The obstacles in online learning can be reduce by stress management during covid-19 pandemic so that decrease anxiety [7]. Online learning assessment is hampered, especially for teachers, it is difficult to make assessment instruments, the process of making questions for teacher assessment to students [8].

While the results of questionnaire research obtained on Elementary School 2 Sumberejo teachers, the majority of teachers answered that they were hampered because of psychological conditions to learn where at that time the environment was affected by the Covid-19 pandemic, Usually teachers face students directly in class or in the field which allows teachers to see all student activities. However, it is different from the situation of online learning that does not meet directly with students which ultimately results in teachers having difficulty in preparing students psychologically to follow learning [9].

Teachers find it difficult to provide opportunities for students to practice movements in the online learning process that involves students having limited opportunities because they do not know exactly what movements will be practiced and tools that are not available at home, For example, for sports movement practice tasks [10]. Online learning cannot be applied properly because it is constrained by the limitations of student learning devices where teachers explain the material only using the WhatsApp Group application [11].

## CONCLUSION

There is a significant difference in online learning barriers between the two elementary schools in Kemiling District, Bandar Lampung City in 2023. The Elementary School 2 Beringin Raya and Elementary School 2 Sumberejo. The teacher who was most hampered by learning during the Covid-19 pandemic was Elementary School 2 Sumberejo.

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