

# The Effectiveness of Online Learning Media on Psycholinguistics Subject During COVID-19 Pandemic at University of Muhammadiyah Sumatera Utara (UMSU)

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**Received:** 23 August 2021; **Accepted:** 15 September 2021; **Published:** 28 September 2021

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## Abstract:

Since COVID-19 hit almost all of the countries, almost every sector in the world changed including education system. Because of this situation, Face to face system or conventional technique for teaching learning process also changed and online learning to be implemented from kindergarten till university. This was made to help student and teacher relationship and communication without limited by time and space. In Muhammadiyah University, E-learning used to relate students and lectures communication for teaching and learning process. So, the goal of this research tried to find out the effectiveness of online learning during COVID-19 Pandemic on Psycholinguistic subject at English Education Study Program in UMSU. This research used quantitative method. The total population of this research is 69 students who are in the eight semester that took psycholinguistic subject came from class A and B morning. To be the instruments of this study is the questionnaires given to the students via Google form and became the source of the data. Only 40 students returned it back and these became the sample for this research. Then, the data to be collected and analyzed. From the data collection, it was found that 70% students said it was good to use online learning and the rest 30 % can't follow this learning.

## Keywords:

E-learning, Online Learning Media, COVID-19, Psycholinguistics

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## 1. Introduction

The Covid-19 pandemic has hit all countries in the world, including Indonesia. According to the latest data from the World Health Organization (WHO) on April 24, 2020, as many as 213 countries have been infected with Covid-19, of which 2,631,839 have been confirmed positive and 182,100 have died. Covid-19 is an infectious disease, which means it can spread, either directly or indirectly, from one person to another [2]. This condition attacks the respiratory system such as the nose, throat, and lungs. The complexity of handling the outbreak, the unavailability of vaccines and

drugs to cure Covid-19 patients and the limited personal protective equipment (PPE) for health workers have made the government implement strict policies to break the chain of the spread of Covid-19 [13].

One way to break the chain of the spread of Covid-19 is to limit public interaction, which is applied by the term physical distancing. However, the physical distancing policy can hamper the rate of growth in various fields of life, both in the economic, social, and of course education fields [12]. The government's decision to dismiss students, move the teaching and learning process at school to be at home by implementing the Work From Home (WFH) policy has made many parties nervous

The impact of dismissing students from school was done in order to stop more victims, while of course, loss learning will be a big problem. When someone or a group of people engage in the learning process, they gain experience, increase their abilities, and broaden their knowledge by going from ignorance to knowledge, from ignorance to understanding [6]. The WFH policy is contained in the Circular of the Minister of Administrative Reform and Bureaucratic Reform (PAN & RB) Number 50/2020 concerning the Second Amendment to the Circular Letter of the Minister of PAN & RB Number 19/2020 concerning Adjustment of the Work System of State Civil Apparatus in Efforts to Prevent the Spread of Covid-19 in Government Agencies. The evolution of ICT in the Industry 4.0 era has had a significant impact on the teaching and learning process. Teachers have taken advantage of the accessibility to technology to raise the standard of education [7]. As ASN, teachers in an effort to carry out the learning process need to be done online or in a network (online). However, the implementation of the online learning process has several obstacles. One of the toughest obstacles in online learning is teaching Psycholinguistics courses

The current problem is that there are still many students who think that the subject is still difficult to learn. The difficulties that exist in psycholinguistics courses require the creativity of psycholinguistics course lecturers to develop their learning, both in terms of methods and media used. The use of online media or multimedia-based media is one solution to make students able to understand the subject matter well. This is in line with the results of Ibrahim & Suardiman's (2014) research which shows that there is a positive influence on the use of e-learning on the motivation and learning achievement of students at the Yogyakarta Annual Elementary School. E-learning is a new innovation that has made a significant contribution to the evolution of the teaching and learning process. Instead of simply listening to teachers describe their material in dry and boring ways, students now have access to teaching materials that are dynamic and interactive [3,8]. Hence, Sherly et al [11] stated that e-learning as one of the IT-based learning model has been able to overcome the constraints of time and distance in conventional learning through a full online based learning process [14]. Online learning using online media has been implemented at the Muhammadiyah University of North Sumatra since March 2020 since the implementation of work from home on March 16, 2020 during the COVID-19 pandemic. The online media used are E-Learning, Zoom, YouTube, WhatsApp group, Google Classroom, and quizzes [9,10]. The material is given in the form of PowerPoints, short videos, and reading materials. However, in the implementation of online learning, it is necessary to evaluate in order to obtain clear data-based improvement steps. This is what underlies the author to find out the description of the effectiveness of online learning using online media at the University of Muhammadiyah Sumatra, especially in the English Study Program, FKIP UMSU.

## 2. Methods

This research type was descriptive qualitative approach. Herman et al defined qualitative research is a research where data are collected in the form of words or pictures rather than numbers [5,1]. Hence, this research's objective is to find out the effectiveness of online learning using online media during COVID-19 on Psycholinguistic subject at English Department in University Muhammadiyah of Sumatera Utara. The instruments of the research were questionnaire and document analysis. This questionnaire spread through the google form for the students. The data source used for the analysis resulted from the students who are in the seventh semester that took Psycholinguistic subject with 40 students participated in this research. Then, all the questionnaires collected and analyzed to get the result.

## 3. Result and Discussion

The discussion of the results of this research show that students actively remain disciplined in carrying out online learning activities, regardless of the all limitations, obstacles and conditions encountered. This can be seen from the results of the handwritten reports of each student at the end of each lecture meeting. This report is proof of attendance, that students are active online through the integration of the Zoom application, Google Classroom and the intranet application on the [www.elearning.umsu.ac.id](http://www.elearning.umsu.ac.id) website, where students will be recorded as to whether or not they are present in participating in online distance learning activities. Besides that, all students who were respondents as many as 40 people have responded and answered everything in filling out this survey questionnaire online.

### a. Respondents

Respondents in this study were UMSU students, faculty of teaching and education, majoring in English education in the eighth semester of the psycholinguistics course with a total of 40 people.

*Table 1. Respondents.*

No	Class	Total	Percentage
1	A	27	67.5%
2	B	13	32.5%

### b. The condition during online learning

The online learning conditions discussed include: can or cannot take distance learning well, who accesses online learning, learning companions at home, ease of accessing learning materials, difficulties in online learning, materials that need to be added to online learning, tasks in learning online and advice. For complete data, see the table below:

*Table 2. To what extend do students follow the online learning?*

No	Indicator	total	Percentage
1	Good	28	70 %
2	Not good	12	30%

From the data above, it can be concluded that students of the English education study program can participate in online learning at home well in anticipation of the spread of the COVID-19 virus as much as 70%, the remaining 30% cannot properly participate in online learning due to unstable internet signal factors because most of

them disagreed, this shows that the online distance learning method applied is not appropriate

**Table 3.** *Who does access the E-learning at the first time?*

No	Indicator	Total	Percentage
1	students	39	97.5%
2	Parents	-	0
3	Friends	1	2.5%

From the data above, it can be seen that students of the English study program already have awareness and responsibility for lectures with a proven high percentage of accessing learning materials in e-learning as much as 97.5% and only a few who do not access learning materials in e-learning only 2.5%

**Table 4.** *Who does the person that assist you in learning?*

No	Indicator	Total	Percentage
1	Parents	20	50%
2	Friends	10	25%
3	Others	10	25%

The data above shows that the role of parents during online learning is very large, with the enthusiasm of accompanying their children to study at home by 50% while only 25% of students are assisted by friends and the rest are assisted by private teachers by 10%.

**Table 5.** *How about students' reaction towards the online learning?*

No	Indicator	Total	Percentage
1	Do directly	30	75%
2	Postpone	10	25%

From the data above, it can be seen that students of the English language study program have an extraordinary enthusiasm and good discipline when the learning system changes from offline to online as much as 75% while those who are less enthusiastic and disciplined are only 25%.

**Table 6.** *How about parents' assistance during online learning?*

No	Indicator	Total	Percentage
1	I myself check Elearning, my parents just remind me	39	97.5%
2	My parents help to check Elearning and do the assignments	1	2.5%

The data above shows that students of the English education study program have a great sense of responsibility and a good willingness to learn by accessing on learning materials themselves without orders from their parents, while only 2.5% are lazy to access them.

**Table 7.** *Is it easy to follow psycholinguistic subject via online learning?*

No	Indicator	Total	percentage
1	Easy to follow	31	77.5%
2	Difficult to follow	9	22.5%

The data above shows that the learning materials for psycholinguistics courses available in die learning are easily understood by students of the English education study program by 77.5% while only 22.5% of students still find it difficult to understand the learning materials.

**Table 8.** *Is it easy to access e-learning UMSU.*

No	Indicator	Total	Percentage
1	Easy	24	60%
2	difficult	16	40%

The data above shows that students can easily access learning materials available on the e-learning website even though they are not on campus during the COVID-19 pandemic anywhere and anytime as much as 60% while 40% have problems accessing e-learning which may be due to unstable internet network and limited internet quota.

**Table 9.** *The difficulties in psycholinguistic subject.*

No	Indicator	Total	Percentage
1	too many assignments	11	27.5%
2	Too many materials	4	10%
3	The instructions aren't clear	8	20%

The data above shows that the difficulties experienced during the psycholinguistics course are constrained by the number of tasks that must be done by students as much as 27.5%, then instructions that are not clear in doing the questions 20% and the remaining 10% too much material.

**Table 10.** *What do you think about psycholinguistic material?*

No	Indicator	Total	Percentage
1	Expected	25	62.5%
2	Not to be expected	15	37.5%
3	Far from being expected	-	0%

From the data above, it can be concluded that the material for the psycholinguistics course is in accordance with the expectations of students in the English education study program, 62.5%, which means that the teaching material is good, while the number of those who say it is not as expected is 37.5%.

**Table 11.** *What is added in psycholinguistic material?*

No	Indicator	Total	Percentage
1	Material	5	12.5%
2	Assignment	1	2.5%
3	Video	25	62.5%
4	Others	9	22.5%

From the data above, it can be seen that the teaching materials for psycholinguistics courses are good but there are things that must be added to make it even better, namely the addition of 62.5% learning videos, 22.5% others, 12.5% materials and 2.5% assignments.

**Table 12.** *What are the easiest medias used to access the learning material?*

No	Indicator	Total	Percentage
1	E-learning	4	10%
2	Zoom	6	15%
3	Google Classroom	3	7.5%
4	WhatsApp	27	67.5%

From the data above, it can be concluded that the easiest and most widely used media for English education study program students during online learning is

WhatsApp 67.5%, Zoom 15%, E-learning 10% and the least using the Google classroom 7.5% application.

*Table 13. What do you think about assignment in online learning?*

No	Indicator	Total	Percentage
1	Must be completed to practice responsibility and discipline	26	65%
2	Must be completed because this way you can keep learning	4	10%
3	Must be completed to get good marks	4	10%
4	Must be completed to get new knowledge	6	15%

The data above shows that students of the English education study program already have very good responsibility and discipline in online learning during a pandemic to do 65% of assignments, while those who add insight are 15%, and those who state that they do assignments to keep learning and get a value of 10%.

*Table 14. Do you always read the instructions via WhatsApp?*

No	Indicator	Total	Percentage
1	Always	36	90%
2	Never	1	2.5%
3	Sometimes	3	7.5%

The data above shows that students of the English education study program always read every instruction during learning available in the WhatsApp study group before working on assignments, 90%, while those who sometimes read instructions were 7.5% and those who did not read instructions at all were 2.5%.

## 4. Conclusions

The learning innovation carried out in the psycholinguistics course is by using online media to help students undergo online learning during the covid-19 pandemic. As a result, students rated psycholinguistics learning using online media as very effective (70%), most of them rated it as ineffective (30%) and none (0%) rated it very ineffective. To make mathematics learning even more effective, in the future teachers or educators are expected to apply the ten suggestions given by students, namely (1) learning is carried out through video calls; (2) the provision of concise learning materials; (3) minimize sending material in the form of heavy videos to save quota; (4) the selection of material in the video must be based on the criteria of language that is easy to understand; (5) continue to provide material before the assignment; (6) giving varied and different questions for each student; (7) the assignment must include how it works; (8) additional time for delivery of tasks; (9) remind students if there is an assignment given; and (10) reduced tasks.

## Conflicts of Interest

The authors declare that there is no conflict of interest regarding the publication of this article.

## Funding

This research received specific grand from funding agency Universitas Muhammadiyah Sumatera Utara (UMSU), so the researchers would like to say great gratitude for this paper publication.

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