

Online Learning During Covid-19 Pandemic

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ABSTRACT

This study aimed to determine the effect of the communication process on communication effectiveness in online learning at SMA Sukma Bangsa Bireuen. This study uses the theory of CMC (*Computer-Mediated Communication*), limited by respondents consisting of students in classes XI, XII, and teachers of SMA Sukma Bangsa Bireuen. This type of research is a quantitative research using *statistical analysis of variables* in this study include the variable (X): Communication process in online learning at SMA Sukma Bangsa Bireuen and variable (Y): Effectiveness of communication in online learning at SMA Sukma Bangsa Bireuen. The total population of SMA Sukma Bangsa Bireuen includes students of class XI, XII along with teachers as many as 104 people; the determination of the sample uses the total sampling method. Data collection techniques using questionnaires indirectly. The data analysis technique used is multiple coefficient analysis using the *Product Moment* correlation formula and hypothesis testing using SPSS 25. The results showed that the communication process in online learning did not affect the effectiveness of communication in online learning at Sukma Bangsa Bireuen High School. This is evidenced by the t count $>$ t table ($1.6599 > 0.570$). Basically digital not only changes the face of the educator sector, many job patterns are changing due to the widespread digitization in almost every sector of life

Keywords: *Communication, Learning, Online, Covid-19, Education*

1. INTRODUCTION

Online learning utilizes multimedia technology, video, virtual classes, animated online text, voice messages, e-mail, telephone conferences, and online video streaming. Online learning can only bring together teachers and students to carry out learning interactions with the help of the internet [1]. In online learning, there are characteristics, while the characteristics are online, massive, and open. Online learning can affect the effectiveness when undergoing the learning process. Perceived barriers also influence effectiveness during online learning.

One example of the obstacles that are felt when learning online is the signal in Indonesia which is not yet entirely smooth, and there are still many in remote parts of the country that does not support a good signal. When doing online learning also has an impact that is felt by students, namely some teachers who do not fully understand the media used, the lack of student motivation in carrying out the online learning process, and the difficulty of interacting with teachers when faced with material that is not understood causes one-way communication to occur.

Until now, the world community is still battling the Covid-19 virus even though a vaccine has been found. The impact of the pandemic that has lasted more than a year not only slows the economic sector but also interferes with learning activities in schools. The government makes rules so that schools eliminate face-to-face learning and replaced with online so that students are not left behind learning materials even though they are at home. This step is of course to break the chain of spread of corona virus in Indonesia.

Based on Circular Letter No. 4 of 2020 on the Implementation of Education Policy in the emergency period of the spread of the Covid-19 virus, the Minister of Education urged that all educational institutions do not conduct the teaching and learning process directly or face-to-face, but must be done indirectly or remotely. Therefore, during the pandemic the learning process was changed using an online system where teachers and students conducted the teaching and learning process through applications on mobile phones or computers that use internet network connections.

Sukma Bangsa Bireuen High School is one of the high schools that feel the impact of online learning. The learning process in the school uses e-learning applications. It's a digital link that brings together

conversations, content, assignments, and apps in one place that allows teachers to create a dynamic learning environment. Using e-learning aims to offer a distance learning experience as personally engaging and socially connected as learning in the classroom. Through the application teachers can track students' progress in their daily work using tasks.

This study aims to determine whether communication can affect communication effectiveness during online learning at Sukma Bangsa Bieuen High School.

Research Objectives

1. To know and to analyze the communication process that affects online learning at Sukma Bangsa Bireuen High School
2. To find out and analyze the effectiveness of communication that affects online learning at Sukma Bangsa Bireuen High School

II. RESEARCH METHOD

This research uses quantitative methods based on the philosophy of positivism as Sugiono argues, that this philosophy is used to examine in certain populations and samples. Sampling techniques are generally done incidentally, data collection using research instruments, quantitative / statistical data analysis with the aim of describing and testing established hypotheses.

The purpose of this study is to explain the or absence of a relationship of bound variables (X) and variables (Y) namely the process of communication and the effectiveness of communication in online learning at Sukma Bangsa Bireuen High School. The procedure of the selected quantitative approach is oriented towards correlational problems (causal correlation). The research shorts used are survey approaches, namely research by taking samples from one population and using questionnaires as a basic data gathering tool[2]

III. RESULT AND DISCUSSION

About Sukma Bangsa Bireuen

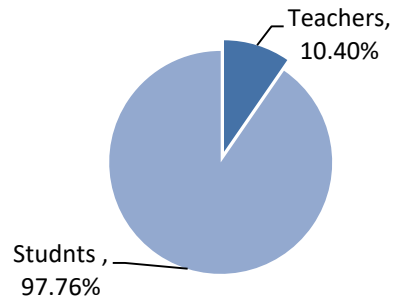
SMA Sukma Bangsa Bireuen, is one of the schools in the Sukma Foundation organization. Sukma Bangsa Bireuen School was inaugurated by President Soesilo Bambang Yudhoyono on July 14, 2006, and the use of all facilities since the 2006/2007 school year.

Sukma Bangsa Bireuen School has complete teaching and learning facilities, including sports facilities, and places of worship, as well as other supporting facilities. Overall from primary to upper secondary level in the 2019/2020 school year Sukma Bangsa Bireuen School has a total of 616 students.

The school has a very clear vision, mission and objectives, the management team of Sukma Bangsa Bireuen School consists of The Director of the School, Head of Elementary School Center, Junior high and high school, Head of Business Administration, Head of Data and Information Center, Head of Library and Assistant Manager of The Complex.

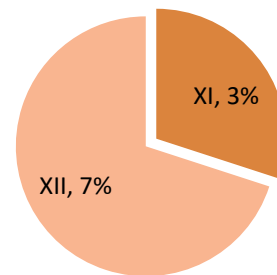
Respondent Characteristics

Figure 1. Respondent Status



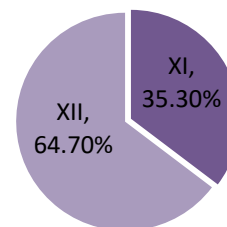
From the chart above shows the respondent data examined from the sample number of 104 people consisting of 94 (97.76%) students and 10 (10.40%) consisting of SMA Sukma Bangsa Bireuen teachers.

Figure 2. Respondents as Teachers



From the chart above, there are 10 teachers who fill out questionnaires divided into class XI teachers as many as 3 teachers (3%) and there are class XII teachers as many as 7 people (7%).

Figure 3. Students According to Class Room



From the chart above, there are 94 students divided into class XI and class XII.

During covid-19 pandemic, there are changes that occur in various fields, one of which is in the field of education. In the field of education, this makes changes made drastically, namely by doing learning from home or online learning.

Online learning that is felt today is caused by the covid-19 pandemic. This causes the distance learning process to be more effective to use because it avoids an increase in cases of coronavirus transmission. In the learning process there are several indicators contained in the questionnaire statement in variables (X).

The results of the research data showed that 104 respondents consisting of teachers and students of Sukma Bangsa Bireuen High School. In the results obtained from the custody and have been applied in spss veris 25 validity tests, variable X and variable Y are expressed with the entire valid variable with the provision of the value $t_{table} > t_{calculated}$. From the results of the rehabilitation test it is stated that variable X and variable Y are expressed reliable whose meaning is the questionnaire used in each questionnaire can be used repeatedly. In that case the results of spss state that Cronbach's Alpha value of variable X $0.76 > 0.60$ and Cronbach's Alpha value variable Y $0.75 > 0.60$.

From the results of the calculation of the correlation coefficient of product moment obtained the value $r = 0.816$ with the value t calculated 0.570 and the value t calculated 1.6599 . It can then be interpreted that the Null Hypothesis (H_0) is accepted ($1.659 > 0.570$), meaning that there is no influence of the communication process in online learning on the effectiveness of online learning communication at Sukma Bangsa Bireuen High School. As for the correlation result of 0.816 , based on the high low correlation according to the sugiyono scale 0.816 is between $0.80 - 1,000$ meaning there is a very strong relationship between variable X and variable Y.

Since pandemic, one way to break the chain of spread of Covid-19 is to psycal distancing. However, the psycal distancing policy inhibits the pace of growth in all aspects of life, whether economic, social and even educational. The government's decision to continue the learning process at home led to many pros and cons. Because the changes are quite drastic causing various problems experienced by educators and students. But behind the problem, there are lessons that can be taken one of which educators better understand technology and do new learning methods by creating video and other content[3]

During the Covid-19 pandemic that has now penetrated into all aspects of the field, including in the world of education. Therefore, the government has provided a policy to dissolve all educational institutions. This seeks to prevent the transmission of corona virus in Indonesia as in Circular Letter No. 4 of 2020 on the Implementation of Education Policy in the Emergency Period of Covid-19 Spread issued on March 24, 2020. In the Circular letter explained that the health and safety of students, teachers, education personnel, families and the community is a top priority in setting policy.

Similarly, the Sukma Bangsa Foundation that precedes the safety and health of student teachers as a priority, but does not completely strip the quality of education. The quality of education remains the basic foundation of the implementation of education only during covid-19 the implementation of education is carried out in a different way without face-to-face as is done in normal coondition. Where the interaction of students and teachers or fellow students is done directly. In the pandemic period if the old pattern is carried out is a great risk for the spread of the virus and worsens the health of the wider community.

But it is not easy for anyone to make that change, the pattern of online learning is a new one in human civilization, especially for developing countries such as Indonesia. Therefore, during the teaching and learning process both teachers and students often encounter various technical

obstacles such as weak signals and the ability to master technology.

Basically digital not only changes the face of the educator sector, many job patterns are changing due to the widespread digitization in almost every sector of life. . Awaludin Arifin stated that realizing that digitalization is also not an easy thing. Fundamental changes need to be made even to downsize the company's organizational structure which has an impact on reductions. Digitalization also requires changes in working patterns in almost New knowledge and changes in the way analogs work into digital Which also requires other connected supporting infrastructure All of this requires resources. It's big enough and not a little.[4]

During the online learning period, educators are required to innovate to change the pattern of laryngeal learning into an online pattern. Learning patterns that have been changed in a short time have caused various obstacles, ranging from technical problems to the learning process, such as networks, quota fees which are quite expensive, have not yet operationalized applications such as Zoom, Google Meet, Google Classroom, Edmodo, Microsoft Teams with procedures The correct way to do this is by not turning on the microphone (mute) when listening so as not to store, how to display PPT/documents, and the low participation of students in learning (Syaharuddin, 2020).

Other impacts that were felt directly by students during the pandemic were that some teachers did not fully understand the media used, the lack of student motivation in carrying out the online learning process and the difficulty of interacting with teachers when faced with material that had not been understood led to one-way communication. And this problem is also felt by teachers who do not know directly the level of student understanding.

IV. CONCLUSION

Based on the exposure of research results in previous chapters regarding the influence of the communication process in online learning at SMA Sukma Bangsa Bireuen on the effectiveness of communication, which the researchers studied using *Computer-Mediated Communication* theory, the researcher could conclude that the total respondents in this study were: 104 respondents and given 23 statements by the researcher.

By knowing the average value of the two variable values, then based on the calculation of the *product-moment* correlation, it is known that the correlation coefficient value is 0.816 , which means that there is a positive relationship between the Communication Process in online learning at Sukma Bangsa Bireuen High School on the Effectiveness of Communication in online learning at Sukma Bangsa Bireuen High School. The significance test shows the t -table value is greater than the t -count value ($1.659 > 0.570$), which means H_0 is accepted, and H_a is rejected.

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