



## Google Classroom: A Learning Media In Increasing Students' Motivation

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**Abstract.** The objective of this study is to know the effect google classroom as learning platform in increasing students' learning motivation in non-formal education subject of students' Early Childhood Education programs during the first semester STAIN Mandailing Natal 2020/2021. This study is an experimental research with descriptive analysis. The population of this study was 128 students and there are 25 students as respondents in the cluster class. Pre-test and Post-test were used as techniques in collecting data. To analyze the data, the researchers used SPSS 16. The result of this study showed that the mean of pre-test was 47.692 and Post-test was 76.154 which can be concluded that there is an increase in the students' learning motivation in experimental group using Google Classroom.

**Abstrak.** Penelitian ini bertujuan untuk mengetahui pengaruh penggunaan google classroom sebagai media pembelajaran dalam meningkatkan motivasi belajar siswa pada mahasiswa pendidikan anak usia dini, mata kuliah pendidikan luar biasa stain mandailing natal pada semester pertama 2020/2021. Jenis Penelitian adalah experimental research dengan deskripsi analisis. Populasi dalam penelitian ini adalah 128 mahasiswa sedangkan untuk sampel dalam penelitian ini adalah 25. Dalam pengambilan sampel menggunakan cluster class. Penelitian ini menggunakan Pre-test dan Post-test sebagai teknik pengumpulan data. Teknik analisis data menggunakan spss 16. Hasil penelitian ini menunjukkan bahwa dalam penggunaan google classroom sebagai media pembelajaran memiliki pengaruh signifikan. Hal ini ditunjukkan dengan skor mean Pre-test adalah 47.692 dan mean Post-test adalah 76.154. ini artinya terdapat peningkatan setelah menggunakan google classroom.

#### Keywords:

*Keywords satu;*

*Google classroom*

*Keywords dua;*

*students' motivation*

*Keywords tiga; (5).*

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## INTRODUCTION

Since COVID-19, the Indonesian government had appealed that learning has to be carried out online to reduce the risk of spreading the corona virus. This is in line with the circular issued by the Ministry of Religion Number 13 of 2020 about work from home states that all activities should be conducted at home. An article of Dara (2020) said that the effect of COVID-19 made all the sectors work from their home. This also applies to many countries where all employees must work from home to reduce the exposure to public places and to the risk of virus. World Health Organization (WHO) supported the actions of every government to move the activities online to reduce the face to face interaction since this virus can easily be acquired.

In the educational aspect, Hanum (2013) explained that online learning (e-learning) can be an advantageous way of transferring learning. He also mentioned that it can be used for improving the understanding of the students to the material, expand the sources of teaching using the material, and add online interactive learning activities that could help teachers save time in teaching and learning in the distance learning. The main objective of the teachers is to make the learning process successful despite the distance through good implementation of the activities to capture the students' attention.

In the preliminary study of the researchers in learning process, the writer conducted pre-test to students' Early Childhood Education programs on non-formal education subject and the writer found out that there are many students who get low grade. This preliminary study was conducted in a non formal education subject at students' Early Childhood Education programs at STAIN Mandailing Natal Academic Year 2020/2021. The writer found some of problems because the students have low score and low motivation to a lecturer who uses traditional method in this learning process as well as in identifying errors and providing feedback in the learning process.

This can be concluded that learning process was not optimal because of the low learning motivation of students'. To meet this need and contribute solution, a creative learning platform can be integrated in teaching so that students' engagement shall

improve. One of creative learning platform that would improve the motivation of the students is the use of Google Meeting. Some studies have searched this aspect such as: a). Google classroom media on Fauzan (2019), his study revealed that google classroom is an effective tool that can increase the students' learning outcomes and it can achieve a successful in learning process. b). "Pengembangan kelas virtual dengan google Classroom dalam keterampilan pemecahan masalah Problem solving topik vektor pada siswa SMK untuk Mendukung pembelajaran, Ivan and Stefani (2018), their study stated that they implemented the use of Google Classroom in their institution by 88% and it contributed to the success of the learning outcomes of the students. c). Rachmadyanti and Wicaksono (2016) shared also that google classroom has positive effects in the learning process and reaching the goal of the students. Moreover, Aditya (2018) said that the use of e-learning could improve English teacher of ability and this was supported by the study of Sardiman (2016:6) where he explained that an online media platform, as a supporting tools for learning, stimulates student's learning. This learning platform is a tool that can send messages from to the receiver which is very important in the learning process that runs effectively. Online learning platform is an effective tool that to be used to reach the goal of education such as book, newspaper, television and so on (Sanjaya, 2014 : 163) which can deliver information and can stimulate students to learn more effectively and successfully in learning process.

The use of online learning platform has an effect in the learning process of the students and can create a ripple of impact to the learning environment in class. It can also give a positive effect such as generate new desires, interests, motivation, and stimulation of the learning activities, and it can even bring psychological effects to students (Arsyad, 2000:15). Arsyad also explained that some the use of online learning platform can create a positive benefit among the learners, To wit: 1). The delivery of lessons becomes more standardized. 2). Learning can be more interesting. 3). Learning becomes more interactive. 4). Learning process runs efficiently. 5). Learning process becomes more flexible. 6). The quality of learning outcomes can be increased. 7). Students'

positive attitude will be created and the learning process can be improved. 8). The role of teacher will be positive (Arsyad, 2000:22-23).

It can be concluded that online learning platform is important in the learning process because the use of learning media is efficient, effective, and flexible because it can increase students' learning outcome. Integrating online learning platform shall benefit the teachers when they understand the how and whys in using this in teaching as well as if one knows which platform is suitable in a subject. There are five kinds in media: a). Human-based media (teachers, instructors, tutors, role-playing, group activities and field trips). b). Print-based media (books, guides, exercise books, work aids and freelance sheets), c). Visual-based media (books, work aids, charts, graphics, maps, pictures, transparencies and slides), d). Audio-visual based media (video, film, slide program and television), e). Computer-based media (computer-assisted teaching, interactive video and hypertext), Arsyad (2000:37). And, one of the effective learning media in the learning process is google classroom which is a soft application (software). According to Maiyana (2018), a software is usually made by a computer company to do certain tasks like Ms. Word, Ms. Excel, and etc. It is also an application for software (software) developed to carry out certain activities (syafitri, 2019). This means that application aims to achieve something that can run well. Google Classroom is one of the innovations in the learning process of the 21<sup>st</sup> century. Fauzan (2019) explained that the use of Google Classroom can carry out the learning process and give chance to educator to explore scientific ideas for the learner's improvement (Rozak, et al 2018). Hakim (2016) explained further that the use of goole classroom requires a google account and it is needed to "sign in" to google classroom account. This is created by google to aid the lecturers and learners when one is unavailable, thus it is organize and flexible (Sabrina et al 2020).

The writer made sure that the use of google classroom can increase students' learning motivation. Learning motivation is very important to students because this provides a positive affect in reaching out students' standard in classroom. According to

Sardiman (2001:85), the level of motivation of a student will determine achievement level of learning. Students who have high motivation had better learning outcomes than students who are motivated to learn low (Yusuf, 1993:14). Motivation can be a driving force for the students that lead to learning activities, so that the learning goals can be achieved. Learning Motivation is also a non-intellectual psychological factor and it's specific role, in terms of growing passion, is to make the students feeling happy and enthusiastic about learning (Sardiman, 2016:75). Purwanto (2007) added that motivation is a complex statement in an organism that directs behavior towards a goal. From the experts' explanation, the writer can conclude that learning motivation is a desire that is interested in knowing more about something and can effect an interaction in the learning process; this can be seen from student activeness uring the process of learning. Learning motivation plays an important role in achieving the success of the learning process.

## METHOD

The study is located in Jl. Prof Andi Hakim, Panyabungan Mandailing Natal and was conducted to a non-formal education subject in the first semester to students' under the Early Childhood Education programs in STAIN Mandailing Natal Academic Year 2020/2021. According to Sugiyono (2015:3), research method is a scientific way to get data with Specific purposes and uses. Based on this, there are four keywords that need to be considered such as: scientific method, data, purposes, and uses. This study used Experimental research to search the effect of a particular treatment on another under a controlled condition. A controlled condition means an existence of results from research converted into numbers. The statistical analysis (Sugiyono, 2011:72) was used in this study to determine the main characteristic of true experimental study. The respondents were classified under an experimentation and it is taken randomly from a certain population. The subject used in this study is in the first semester of the students' enrolled in the Early Childhood Education programs Academic Year 2020/2021, Panyabungan Mandailing Natal, North Sumatera. There are

seventy eight respondent who were clustered in the sampling. The collection of data was done through Pre-test and Post-test. The technique of collecting data in this study were through the writers who gave Pre-test before treating the data to experimental group and control group, this aims to know students' ability to a non-formal education subject. After the treatment using google classroom, the writers gave the Post-test to know the effect of it. The data analysis was through the use of SPSS 16 to tabulate data and it was subjected to a descriptive analysis.

## RESULT AND DISCUSSION

This study was conducted on September 7<sup>th</sup> 2020 until September 28<sup>th</sup> 2020 in a non-formal education subject during the first semester of students in Early Childhood

Education Programs at STAIN Mandailing Natal for Academic Year 2020/2021. There were 128 learners in the Early Childhood Education programs. The population and respondents in this study shall take sample, the writer used cluster sampling, there are 13 students as experimental group and 15 students as control group. This study conducted Pre-test to students on September 7<sup>th</sup> 2020 before the analysis of the data. After getting the data, the writers used Google Classroom as a learning media in the process of students' for the experimental group while the control group used traditional method. After treatment, the writer gave Post-test to two groups namely experimental group and control group to know the result using SPSS 16.

Table 1. The result of test experimental group

One-Sample Test						
Test Value = 0						
	t	Df	Sig. (2-tailed)	Mean Difference	95% Confidence Interval of the Difference	
					Lower	Upper
Pre	20.667	12	.000	47.692	42.66	52.72
Post	42.214	12	.000	76.154	72.22	80.08

The table above explained that the data in Pre-test showed that there is an increase in the result in the experimental group, this can be seen from Pre-test of mean was 47.692 up 76.154 (Post-test). This means that the use of google classroom gives positive effect in non formal education subject at students' Early Childhood Education programs in STAIN Mandailing Natal Academic Year 2020/2021. Nirfayanti and Nurbaeti ( 2019) stated that the use of google classroom gives good effect on students' learning motivation which in their study gained an average score of 78.31 in high category or 83.72% in very good category in terms of students' learning outcome. Integrating technology in teaching is an important step towards revolutionizing the motivation of students in learning, thus making the learning more engaging and personalized. This would open more opportunities for students to be more learned

as an individual and highly independent in discovering one's potential to be better.

The table above stated that the score of mean in Pre-test was 42.667 while the mean of Post-test was 42.667. This can be concluded that the use of traditional method in control group does not give any positive affect in non formal education subject of students' Early Childhood Education programs in STAIN Mandailing Natal for Academic Year 2020/2021.

Mineo (2020) stated that transition has to be decided upon by schools in the teaching and learning pedagogy, otherwise a possibility of closure may be expected for schools that will not be able to adapt with the changes. Traditional teaching method has long been effective but adapting to change is necessary especially when dealing with these concerns such as the pandemic crisis.

**Table 2.** The result of test control group

One-Sample Test						
Test Value = 0						
	t	Df	Sig. (2-tailed)	Mean Difference	95% Confidence Interval of the Difference	
					Lower	Upper
Pre	36.101	14	.000	42.667	40.13	45.20
Post	36.101	14	.000	42.667	40.13	45.20

## CONCLUSIONS AND SUGGESTION

Based on the finding and discussion above, it takes conclusion that the use of google classroom as learning media in increasing student learning motivation to the students in the Early Childhood Education programs on non formal education subject has significant effect. This can be seen from the table of test experimental group which showed that Pre-test of mean was 47.692 up 76.154 (Post-test). Thus, there is no significant in control group because of the use of traditional method in control group.

With this, the writers have seen that Google Classroom is an effective learning media platform that can be integrated or adapted in the teaching and learning process even in post-pandemic. Schools have to strategize to cope with the changes caused by the pandemic crisis, thus, change is inevitable.

In addition, the educators have to embrace the shift in the pedagogy from traditional to blended or even pure online so that the learners in the 21<sup>st</sup> century shall be enthusiastic in the implementation of this new modality of learning. However, this would not be applicable to all countries with a slow internet connection and limited budget for technological integration. Nevertheless, it can still be considered as a goal for every educational institution in providing the quality in education most especially in increasing the learning motivation of the students. This is both an opportunity and a challenge that everyone has to reconsider.

The writers would also like to suggest that, based on this study, lecturers in the traditional teaching should the use Google Classroom as learning media for online learning and be open for integration in their learning. This article also can be as reference

for all future researcher who wish to study online modality of teaching and learning as well as the exploration on the effectiveness of other online learning platform.

Education must not stop despite all the crisis that the world is facing. Learning must continue and the educators must continue to initiate a lot of innovation to become more relevant with the students.

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