

## ONLINE LEARNING ASSESSMENT USING THE RECORDING ZOOM MEDIA AT TK COR JESU MARSUDIRINI

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**Abstract.** This research is based on a number of phenomena in the field during the COVID-19 pandemic that hit the world, including our country, Indonesia, which also had an impact on the world of education, all activities were carried out online or online and carried out from home so that the level of service provided by teachers in early childhood was not optimal. due to lack of direct service. This research uses experimental research method. Collecting data by conducting experiments. The research sample was kindergarten children, totaling 10 respondents at Cor Jesu Marsudirini Matraman Kindergarten, located on Jl. Matraman Raya 129, East Jakarta. This study aims to (1) How is the effectiveness of children's online learning by using zoom? (2) Are there differences in the effectiveness of children's online learning by using zoom and before using recording zoom? The results showed; (1) The use of recording zoom meetings during learning is proven to be more effective and facilitates teachers in assessing learning and providing implementation of the learning process for early childhood students. (2) There is a significant difference between the effectiveness of children's online learning by using zoom and before using recording zoom with a moderate relationship

**Keywords:** learning assessment; media recording zoom; early childhood education

### I. INTRODUCTION

The online or online learning process that takes place at the early childhood education level has not been effective. For the world of education in Indonesia, this condition is an unexpected thing for teachers, parents and children. Teachers, parents and children suddenly have to find ways to keep the learning process going even if they are at home for an indefinite period of time. Some PAUD units are still able to carry out the learning process by utilizing technology and communication (ICT), one of which is by using zoom media as was done by TK Cor Jesu Marsudirini. Zoom is a communication application using video. The application can be used on a variety of mobile devices, desktops, to phones and room systems. In general, users use this application to conduct meetings to video and audio conferences. The application, headquartered in San Jose, California, United States, was founded in 2011 and is used by various organizations and companies to accommodate employees remotely. In general, early childhood education institutions, the ratio of educators to students is 1 : 20. Given this number, it is believed that not all children can be noticed by teachers. PAUD-age students have diverse behaviors, especially when learning through online, some turn off videos or play audio during learning activities, so that educators will find it difficult to assess and supervise during activities. Understanding Assessment is the process of gathering and processing information that has meaning in decision making and determining the quality of the ability [1].

Based on experiments and from several sources in the field, it was found that the dominant teacher was less able to monitor children intensively in the educational process. The

results of the interview with the Cor Jesu Kindergarten teacher Marsudirini Matraman (April 2021) stated that with a large number of children, it was quite difficult for teachers to monitor them one by one on a computer screen during the zoom lesson. The lack of direct supervision of students during activities has an impact on teacher assessments. Furthermore, regarding direct supervision of students in the network is also an obstacle, in connection with the comparison of the number of teachers and students, it is necessary to use a recording device that is used by the teacher to record the results of learning activities so that the results of the recording can later be analyzed more deeply by the teacher and the form can be determined. other treatments in the learning process.

The recording device is functioned to assist teacher analysis in monitoring student activities and behavior in learning, especially for early childhood. According to its function, the video recording zoom can store moving images in this case the behavior of students in the learning process to be analyzed by the teacher so that the teacher is expected to provide the maximum possible service for early childhood. In this case, the video in question is not a means for teachers to deliver learning but is a means for teachers to record the learning process for further analysis by the teacher together with the principal and other teacher friends. In this study, the use of recording zoom media as one of the learning media is focused as a tool to help record all information and activities of students in learning. The recording results are then used to improve the optimization of services for early childhood. In connection with the advantages of recorded video as a medium and learning aid in assessment, its use is to increase

the effectiveness of learning, especially to provide improved services for early childhood.

Assessment is a process of measuring the results of children's learning activities. Measurements were made based on the results of observations of the children's behavior and work. The observations made must be authentic, that is, in accordance with the actual facts. Assessment of the results of children's learning activities must be measurable, sustainable, and comprehensive including the growth and development that has been achieved by the child over a certain period of time. Early childhood needs are socialization with peers, for their development and growth. Early childhood education is the most basic education as laying the foundation of life. Providing stimulation or stimulation in the context of intervention and early detection is the focus of education in developing all aspects of development [2]. The nature of education is an effort to develop the potential of children so that they can develop optimally. The essence of Early Childhood Education is a process of providing stimulation so that children's potentials develop optimally [3]. [4] Children aged 0-6 years, The golden period where growth and development is very rapid and affects life in the future, Children are easy to accept various stimuli from the environment, Family is the first and foremost environment that can provide the best stimulation for children's growth and development, Love is important for the formation of their personality.

## II. RESEARCH METHODS

This research uses the Pre-experimental method. [5] Experimental research method is a research method used to describe the actual state of the aspects under study looking for behavioral influences. The type of data collected to describe the results of this study is primary data, namely data directly obtained from research subjects. In this study, primary data came from the first source, namely kindergarten teachers about the use of video recording zoom media for assessment of early childhood learning. The source of data in this study is TK Cor Jesu Marsudirini Matraman with a sample of 10 respondents. Data collection in this study was carried out using video recording or storage during zooming, from the results of the zoom video recording, it could be viewed, observed and then used as an assessment of children's learning. Tests in this study were carried out using descriptive statistical analysis in explaining the actual situation on the aspects of the variables studied, as well as conducting a paired sample difference test to determine differences in the effectiveness of children's online learning by using zoom and before using recording zoom.

## III. RESULTS AND DISCUSSION

### A. Results

Use of Zoom Recording Media and Learning Strategies Based on the research conducted, it was obtained

data that the use of video recording zoom as a learning tool in increasing the effectiveness of teachers in carrying out early childhood learning. The use of aids in the learning process is important to assist in learning.

In this case, learning resources include messages, people, materials, tools, techniques, and the environment. Learning resources even turn into components of an instructional system if the learning resources are pre-arranged, designed and selected and then combined into a complete instructional system so that it has an impact on purposeful and controlled learning. In the learning process, tools are very important to use in learning. Video camera serves to capture an object or certain events. Important events or rare objects can be captured with photos, movies or recorded via video or audio, then the event can be saved and used if needed. This video recording zoom is shown to record the learning process for analysis in order to improve learning and assessment.

The effectiveness of children's online learning by using zoom

Table 1. Descriptive Statistical Analysis

	N	Max	Min	Mean	Std. Dev
Religion and Morals	10	2.00	4.00	3.0000	.94281
Motor Physics	10	3.00	4.00	3.3000	.48305
Language	10	2.00	4.00	3.1000	.56765
Cognitive	10	3.00	4.00	3.2000	.42164
Emotional Social	10	2.00	4.00	2.8000	.63246
Art	10	3.00	4.00	3.3000	.48305
Valid N (listwise)	10				

Table 2. Range of Measurement Scale

Description Scale Range	Description Scale Range
1 – 1,9	Undeveloped
2 – 2,9	Start Growing
3 – 3,9	Growing As Expected
4 – 4,9	Very Well Developed

(1) Based on the results of descriptive statistical analysis, currently for the field of religion and morals the average value of 3.00 is in the category of developing according to expectations, by utilizing the standard deviation value of 0.94 in the field of religion and morals it is in the range from developing to growing as expected.

(2) Based on the results of descriptive statistical analysis, currently the physical motor field has an average value of 3.30 which is included in the category of developing as expected, by utilizing a standard deviation of 0.48 the motoric physical field is included in the category range from developing to developing. according to expectations.

(3) Based on the results of descriptive statistical analysis, currently the language field has an average value of

3.10 which is in the category of developing as expected, by utilizing the standard deviation value of 0.57 the language field is in the category of starting to develop to developing according to hope.

(4) Based on the results of descriptive statistical analysis, currently the cognitive field has an average value of 3.20 which is included in the category of developing according to expectations, by utilizing a standard deviation of 0.42 the cognitive field is in the range of categories ranging from developing to developing according to hope.

(5) Based on the results of descriptive statistical analysis, currently the social-emotional field has an average value of 2.80 in the category of starting to develop, by utilizing a standard deviation value of 0.63 the social-emotional field is in the range of categories ranging from developing to developing according to expectations.

(6) Based on the results of descriptive statistical analysis, currently the language field has an average value of 3.30 which is included in the category of developing as expected, by utilizing a standard deviation value of 0.48 the language field is in the range from developing to developing in accordance with hope.

Differences in the effectiveness of children's online learning by using zoom and before using recording zoom.

Table 3. Different Test

	N	Correlation	Sig.
Pair 1 After & Before	10	.637	.047

Based on the output of the paired different sample test in table 2, it is known that the correlation coefficient value is 0.637 which states that there is a relationship between the effectiveness of children's online learning by using zoom and before using recording zoom with moderate closeness of relationship, and based on the significance test it is known that the probability value is  $0.047 < 0.05$ , so that by comparing the probability values, it can be concluded that there is a significant difference between the effectiveness of children's online learning by using zoom and before using recording zoom.

**B. Discussion**

(1) Based on the research conducted, the researcher found that the distance learning activities carried out through zoom had been optimal starting from the initial, core and closing activities. Learning activities at Cor Jesu Marsudirini Kindergarten during the pandemic were carried out entirely from home through zoom which was divided into 2 sessions, namely the first Zoom at 08.00-08.30 together from play groups, TK A and TK B, the activities carried out were singing, exercising and praying together. The second zoom is at 08.45-09.30 according to each class, the activities carried out are carrying out core and closing activities. Learning activities through zoom at Cor Jesu Marsudirini Kindergarten were recorded through recording, while some teachers did not record it. The reason for the teacher recording or recording is to facilitate the assessment because

from the recording the teacher can play back the activities that have been carried out so that the teacher can see the activities of the children carefully one by one what the children are doing. assisted by parents, or parents working on it can be seen through the video. So that the teacher in the assessment can assess directly. Teachers can judge children not only from the results but can be judged from the process carried out even though it is from home because everything can be recorded via video recording zoom.

(2) This study compares the results of the assessment of video recording after the teacher made a recording during the lesson and before the teacher made the recording during the lesson using zoom. Online learning is very different from face-to-face for early childhood, the concentration is only about 10 minutes, after 10 minutes the child gets bored, doesn't focus anymore, when face-to-face learning if the child is bored we can look directly at the child, hold the child and persuade him to arouse Concentration and enthusiasm for re-learning is easier, on the other hand, if online learning is zoomed, a child closes the camera, leaves the zoom so that the teacher seems to be talking to himself. So it is difficult for teachers to assess the ongoing learning process, which is assessed by the results sent by parents. It is important for teachers to obtain comprehensive data on the growth and development of children. The influence caused by the use of recording for teachers in assessment is to facilitate teachers in direct assessment such as assessment in the face-to-face learning process, because teachers can see directly when children do assignments or carry out all activities for the assessment of 6 aspects of early childhood development with view recorded video recording zoom. Assessment before using recording zoom focuses on assessing the results not on the process, because the teacher only judges from the results of photos of children's activities that have been finished from their parents, so teachers cannot judge from all aspects of early childhood development which include aspects of the development of religious and moral values. physical motor, cognitive, language, social emotional and art. The assessment looks at the photos sent by parents, the teacher will usually judge on the cognitive and artistic aspects only, while on the aspects of religious and moral values, physical motor, language and social emotional the teacher has a little difficulty in giving an assessment.

**IV. CONCLUSION**

The results of the study show that the use of recording zoom meetings during learning is proven to be more effective and facilitates teachers in assessing learning and providing implementation of the learning process for early childhood students. There is a significant difference between the effectiveness of children's online learning by using zoom and before using recording zoom with a moderate relationship. Currently the social-emotional field has the effectiveness of children's online learning by using zoom is in the category of starting to develop, so it is recommended that the provision of material when children's online learning is more optimized, so that the purpose of

holding online learning using zoom produces overall effectiveness. evenly in all aspects taught to children through learning by using zoom.

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