

EVALUATING TECHNOLOGICAL ABILITY OF PUBLIC ELEMENTARY SCHOOL PENINGGILAN 7 TEACHERS AT POST-ONLINE LEARNING

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ABSTRACT

During a pandemic, learning is carried out online, this condition is of course a challenge for teachers. This research was conducted with the aim of knowing the teacher's ability to use technology during online learning at SDN Peninggilan 7. The subject of this study was the teacher, while the object of this research was the teacher's ability to use technology during online learning. This research was conducted at SDN Peninggilan 7, Jl. Voluntary No.12, RT.002/RW.005, Paninggilan, Kec. Ciledug, Kota Tangerang, Banten 15153. The method used in this research is descriptive qualitative with a case study approach. Data collection techniques used in this study were observation, interviews and documentation. Field data analysis techniques used are data reduction, data presentation and conclusion/verification. From the results of the study it can be seen that most of the teachers at SDN Peninggilan 7 during online learning, the technology that teachers often used in the learning process is the computer. In the field of education, the computer as a modern technology opens up great possibilities to be an educational tool. Especially in learning, computers can be used as a tool to convey information or ideas contained in learning to students.

Keywords: Teacher Ability to Use Technology

INTRODUCTION

The pandemic of Covid-19 became the issues of the whole world and also be the crisis of health for the society. This Covid-19 pandemic has also been giving an extravagant impact to education world. Huge numbers of schools in dozens of countries in the whole world were closed to avoid the spread out of the virus. ABC News reported on March 7th, 2020 that the learning activities of at least 290.5 million students were bothered due to those school closures. Regarding with more than 1000 cases, Indonesia became the second highest country suffered from the spread-out. This country was in the 31st position out of 40 countries with the most cases around the world (Tribun News, 14-15 of June, 2020).

Referring to the data above, it showed that Indonesia was in a critical health condition so that a correct solution was needed to stop that spreading out of Covid-19 virus in order to make all activities became normal again especially in the education field. The Ministry of Education and Culture of Indonesia said that there was around 60% of teachers in this country were not proficient yet in utilizing technology. As well as at Public Elementary School Peninggilan 7 in which the technological knowledge of its 2 teachers and also several other teachers or around 65% were still low. Education is a very important thing to create qualified human resources. The development of science and technology requires qualified human resources to counter current globalization era.

In fact, learning process became ineffective during the pandemic because there was no direct meeting. The students had to study online from home. During the process of learning, many students complained that they could not catch up the learning and they were unable to answer any question addressed by the teacher. Because it was difficult for the students to answer the questions through that social network. Thus, it is necessary to evaluate that e-learning covering: first, e-learning implementation; second, the influence of e-learning strategy; and third, comprehensive evaluation towards e-learning that had not been implemented, because evaluation is part of the activities that

should be inserted in the instructional process to reach learning objectives.

Teachers should not just the students learn, but more than that, they have to guide and lead their online classes to build learning activities. Therefore, the objectives of learning will be well-achieved. For the sake of this, teachers are required to be skillful in teaching and not only master the knowledge but also have the mastery of understanding the lesson plan, selecting and evaluating the learning method appropriately. This pedagogical knowledge should always be improved to the higher levels. Teachers are expected to do their jobs better with more responsibilities (Suparno, 2004:47).

The utilization of the right learning technology will improve students' motivation in learning process and escalate their understanding towards the materials explained by the teachers. Conversely, ineffective utilization of learning technology will make students unable to understand the lessons, hence, the expected outcomes will not be achieved. One of the learning technologies that most frequent used by the teachers is computer. In education field, computer is a modern technology that opens a very big opportunity as teaching media. Especially in learning, computer can be used as an instrument to convey information or ideas contained in the lessons to the students. In today's situation, unfortunately, there are still many teachers who use very simple learning environment which is not interesting for students to get involved into the learning. Most teachers still focus on text-books as learning media and this make the learning outcomes not good.

The problems of online teaching and learning hold important roles in terms of learning objectives' achievements at schools, because teachers do not only transfer their knowledge to the students but they are also required to keep their attitudes, morals, and skills of teaching such as the online one. The more advanced the technology and information is, the more various technologies that can be used by teachers to create learning atmosphere (Sari et al., 2021). Therefore, the innovation of more effective and interesting learning should be continuously improved in order to fulfill the expectations of teachers' roles as educators who will improve the optimum quality of national education.

Schools that implement curriculum 2013 should have used effective learning technology in every learning. However, not all teachers are able to utilize technology, such as teachers at Public Elementary School Peninggilan 7. As part of learning facilities, technology refers to any activities used to receive, gather, analyze, report or communicate the information. Technically, technology covers hard-wares (such as computers, laptop, etc.), application and the circuit of soft-wares (such as internet, WLAN, infrastructures of local network, and tele0conference). The process will become more effective and efficient since it will ease teachers in receiving or delivering information (message or content, materials) of the lessons, improving students' understanding, presenting data or information through more interesting and reliable ways. Besides, it will also be easier to interpret and get the information. Thus, it can be said that technology plays important role as an effective and functional tool in the teaching and learning process. However, in the reality, the utilization of technology in teaching and learning process still faces various problems.

RESEARCH METHODOLOGY

This research applies case study, namely a deep study on people in a relatively long period, continuously, and use single object, in which the case can be experienced by one or two persons. The biggest advantageous of a case study is that to opportunity to conduct a deep study, through a case-study, the researchers will be able to understand children or adults in the context of individual environment, said Furchan in the magazine for thesis writing (Bagaskara, Hamidah dan Ari, 2016: 23).

RESEARCH FINDINGS AND DISCUSSION

Research Findings

1. The Results of Observation

Observation was conducted directly at Public Elementary School Peninggilan 7 at Jl.

Sukarela No.12, RT.002/RW.005, Paninggilan, Kec. Ciledug, Kota Tangerang, Banten 15153/ In order to do this observation, the researchers got the permission from the school principal, i.e. Mr. Bunyamin. The researchers did the observation to know the ability of the teachers in using technology during the pandemic. This school has rules that must be obeyed by the students.

The process of learning during the pandemic was started by sharing application link via WhatsApp Group; the link was for the students to access either Google Meet or Zoom depending upon the teachers. After that, the students accessed the link by firstly typed the code which also given in WAG. Along the learning process, the teacher explained the lesson from the book. The students put their attention to that explanation.

2. The Observation Results of the Subjects

The subjects of this research were all the people in that school consisting of 3 class-teachers and 9 students. The first informant was AR as the class-teacher of class 5A, The second one was DT as the class teacher of class 5B. The third was NA as the class-teacher of class 5C. While the fourth informants were 9 students of grade 5.

3. The Results of Observation of the Activities

The researchers did the observation from the beginning to the end of the class during the teaching and learning process for one week. The morning class at 07.00 a.m.-12.00 a.m. and then continued by the afternoon class which was held at 13.00 p.m.-17.00 p.m. Before the class started every day, it was opened by the prayers and sang one national song. The researchers observed both teacher and the students in preparing the lesson. There were some of the teachers who used learning media such as laptop, sound-system, or projector to display the learning videos to the students, pembela

4. The Results of Observation of Time

The time to conduct this research was every Monday, Tuesday and Wednesday for one week starting from 07.00 p.m. – 12 p.m. and continued to afternoon class from 13.00 p.m. to 17.00 p.m. This research was conducted along the learnings. During the class, the students were given time to give opinion, ask and answer questions. Thus, the communication between students-teacher and student-student was good. Even though some of the students were not accustomed yet in addressing to and answering questions from teacher, because they were not confident yet.

DISCUSSION

Based on the results of this research through the observation, interview, documentation and field-notes, conducted at Public Elementary School Peninggilan 7 about “Evaluating Technological Knowledge of Teachers in Post Online Learning at Public Elementary School Peninggilan V could give both positive and negative to teachers’ utilization of technology to Grade V of that school. The results of the interpretation of this research focused on including “The Utilization of Technology by Teachers as Learning Media during Online Learning, teachers’ technology was learning media that made the learning process became more effective and efficient since it eased teachers in getting and delivering information, and students’ understanding of the lessons. Along with the time, the existence of technology was starting to swiipe various aspects of life and professions. Technology was able to assist the process of learning but could not substitute teachers’ roles. In the process of implementing evaluation, the teachers are expected to keep on using various techniques in using technology as learning media. As it was referred to mini research results described above, it was shown that during the pandemic of Covid-19, teachers used learning media with various applications. Those applications were included Zoom, Google-Meet, Google Classroom, WhatsApp and other applications. Types of technologies used during online learning were different one to another. Teachers in this public school recommended the use of WhatsApp, Google Classroom and

Google Meet applications during online learning. Learning media which were well-designed would obviously help the students in digesting and understanding the lessons. The activities of online learning were started from sharing the links via WhatsApp group to access Google Meet or Zoom App. The students were also given code of that application in WhatsApp group. Along the learnings, the teachers explained the materials face-to-face in online platform. In the end of the class, teachers gave assignment through Google Classroom to the students to be submitted via the same application.

The Problems in Covid-19 Pandemic Influenced the Efficiency of Students' Online Learning. In fact, there were many problems during that online learning faced by the students, parents, and teachers. Some of general things that mostly became the obstacle one was the limitation of devices since not all the students had device for online learning. They also had the limitation of owning mobile-phone. This issue also made the learning process became ineffective and bothered. The limitation of having mobile-phones generally experienced by all the society in middle-low levels. They could not afford the supported device. Besides device problem, the need of internet quota was the other problem that existed. Online learning from home required the students to have access to internet; not all families were able to buy quota which was relatively expensive. For those facts, these problems became issues in online learning especially for the students. Internet network was slow or only available in certain places that created other problems. Direct interaction is one of the success keys of learning process in which actions and reactions between students and teachers exist. This interaction supported the effectiveness and success in teaching and learning process. The level of students' focus in following online learning from home was not efficient due to the noises from both inside and around the house such as the sound of Television and others.

The Roles of Teachers and Parents in Online Learning. Teachers did efforts in conducting online learning to make it meaningful and joyful for the students. The things that have to be paid attention by the teachers to make the learnings became well and smooth were their abilities to utilize technology. Teachers needed to learn the development of technology could be used as online learning media such as learning by using interesting videos. This functioned to support the students in receiving the materials easily and in fun ways. Teachers had to be able to deliver the learning materials which were planned and effective in terms of time. Thus, teachers needed to manage and plan the learnings in detailed so that the quality of learnings became better. In online learning, the teachers were also required to integrate their concentration and understanding for the materials to the students because it was long distance learning. Besides, because the pandemic of Covid-19 also gave big impacts both physically and mentally to all individuals including the students, hence they were given motivation to adapt to all new things. In the time of online learning from home, parents held important roles in students' learning method. Parents helped their children to plan the learnings. Parents kept running the same habits and taught responsibilities to their children toward their school assignments while learning from home. Therefore, the patience of the parents in guiding their children to study at home, so that those children felt comfortable and safe with learning atmosphere at home especially in pandemic. The advancement of technology in pandemic of Covid-19 put the parents to help their children in using various learning applications, Parents needed to be creative in utilizing any media to support the learning process of the children at home such as utilizing online videos or written or picture-based module. Besides that, parents had to be able to know the strengths and weaknesses of their children to learn so that it was easy for them to receive the materials.

CONCLUSION

Based on the findings of the research held by the researchers to evaluate teachers' technological ability at post-online learning at Public Elementary School Peninggiling 7 above, it could be concluded that teachers' skill in utilizing technology during the pandemic of Covid-

19 was still low. The findings need to be taken into account since the relation between education and technology cannot be separated nowadays. Technology supports the effectiveness of education. The advancement of technology in learning escalates all elements of modern education, teachers, students, and schools which have to adapt.

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