CHAPTER II
LITERATURE REVIEW

A. The Nature of Teaching Activities in the Pandemic Era

Online learning is learning that takes place on the internet, and there is no face-to-face communication between teachers and students. The Minister of Education and Culture of the Republic of Indonesia in Circular No. 4 of 2020 concerning the implementation of education policies in the emergency period of the Covid-19 pandemic, explained that the learning process is carried out at home through distance online learning to provide meaningful learning experiences for students.According to Dewi, (2020:56), online learning is learning that is carried out remotely through parental guidance. With online learning, students have time to study anytime and anywhere.

The World Health Organization (WHO) has concluded that COVID-19 has been assigned as a pandemic that happens all through the world (Zanke et al., 2020). WHO announced that the COVID-19 epidemic a public health emergency of international concern was. The COVID-19 outbreak spread external the city of Wuhan on January 30, 2020 (Shereen et al., 2020). At the end of 2019, Wuhan, a developing business center of China, experienced an outbreak of a novel COVID-19 that murdered over 1,800 and infected more than 70,000 people within the first fifty days of the pandemic. This outbreak then spread to all parts of the world. Presently, in excess of 105.000,000 individuals are influenced by the COVID-19 outbreak around the world. The COVID-19 pandemic outbreak has changed all parts of human existence on the planet, including Indonesia. In consonance with Caraka et al. (2020), COVID-19 has a serious and boundless effect, particularly in Indonesia. It was first revealed in Indonesia on March 03, 2020, quickly spread to each of the 34 provinces by April 09, 2020. From that point forward, COVID-19 has proclaimed a condition of the public debacle and well-being crisis. Currently, in excess of 1.110,000 individuals are influenced by COVID-19 in Indonesia.

World pioneers create exacting principles to foresee the spread of COVID-19. WHO prescribes a few normalized well-being conventions to envision the spread of COVID-19, for example, wearing masks, washing hands, not shaking other people's hands, and keeping up social and physical distancing. Feng et al. (in Suppawittaya et al., 2020) informed that everyone needs to follow the standard recommendation of prioritizing self-hygiene, including hand-washing whenever possible, using alcohol to clean substances that are touched, and using medical face-mask rationally when exposed to high-risk areas. It is in line with Lotfinejad et al. (2020) concerned about standard recommendations, especially hand hygiene. They stated hand hygiene with alcohol-based hand rub (ABHR) is commonly utilized around the globe as one of the best, simple and low-cost techniques against COVID-19 cross-transmission.

Corona Virus Disease or known as COVID-19 is a virus that spreads among humans in a short period of time. This disease can attack due to upper respiratory tract infections to ARDS (Acute Respiratory Distress Syndrome). During the Covid-19 Pandemic, which plagued the State of Indonesia, forcing the Government, especially the Minister of Education, to implement a new policy, namely teaching and learning activities carried out with an online system or now it is familiarly called daring. The aim of this government policy is to break the chain of transmission of the Corona Virus which is harmful to the people of Indonesia. According to (Isman, 2020) online learning is the use of internet networks in the learning process. With this, students have the flexibility of time to study, can study anytime and anywhere. Students can interact with the teacher using several applications such as classrooms, video converence, telephone, or live chat, zoom or via WhatsApp group.

Teaching is one activity that teachers do to convey the students' knowledge so the learning process occurs. According to (Vin-Mbah, 2012), the aims of the teaching process namely helping change the skills, attitude, increase knowledge, idea, and appreciation. Teaching is an act that requires considerable moral responsibility. The success of education in students

depends heavily on the teacher's accountability in carrying out their duties. Therefore, it is a learning process where students receive and understand knowledge and cultivate it in such a way for good and progress together. Teaching is a part of education, to achieve the objective the teacher needs to provide creative and innovative teaching and learning process. Achievement of learning objectives must be supported by the teacher's role. The teacher must know and implement suitable ways to deliver materials to students. In achieving learning objectives, not only seen from teachers but the selection of strategies and methods in teaching. Therefore, the general purpose of English learning stated by the government is to make the students can communicate in English language well in oral and writing (Nur Wahidah Pido & Erliana Dewi, 2019). (Wardoyo, 2013), to get the learning objective the teacher must understand the model and method which suitable for the students. Language teaching methods have cast light on the language teaching theory and practice (LIU Qing-xue & Jin-fang, 2007).

The COVID-19 pandemic outbreak has changed all parts of human existence. All life orders change immediately with this pandemic. Individuals are not permitted to leave their homes, go to work, neither go to schools in the name of social distancing. As stated in Pajarianto et al. (2020), the Republic of Indonesia's government, via the Ministry of Education and Culture and keep up by every local government, shifted student learning from schools to their homes through the Study from Home model. This is the right decision of the government since it supports the social distancing idea. In keeping with Aslam (2020), social distancing is a strategy to limit crowd interactions and prevent the spread of disease within groups of individuals. This is a typical practice that has been done overages to limit the spread of the virus by restricting its proliferation rate (R0) among communities.

Based on UNESCO's data as cited in Abidah et al. (2020) in Indonesia by Wednesday (3/25/2020), as many as 68,265,787 students were affected by the COVID-19. It broughtabout changes in teaching and learning interactions in schools. The problem is teachers and students are not permitted to do in-person learning.

Teaching and learning activities during the COVID-19 pandemic changed radically, including the strategies and media utilized by teachers when teaching. Learning that at first occurred offline (in-person) turned out to be totally internet-based. Teaching and learning activities during the COVID-19 pandemic have carried a few changes to students, teachers, and even guardians. This assertion is in accordance with the assessment of Duraku and Hoxha (2020), who said that the COVID-19 has affected the education, well-being, and functioningof all parties involved and benefiting from educational systems in the world.

The changes are in the learning framework, which at first regularly ran (in-person) to internet-based learning. So that learning administration should likewise be changed to be totally on the internet, for instance, learning materials utilizing audio, video, YouTube, and Google Classroom.

Interaction can be done through the Google Classroom application, video conferencing, telephone and WhatsApp. According to Thome, online learning is learning that utilizes multimedia technology, video, virtual classes, animated online text, voice messages, email, telephone conferences, and online video streaming (Kuntarto, 2017:101). Online learning is an activity that utilizes the internet network in every learning process. This agrees with what was stated by Dewi, (2020:67) who said that applications that can support the implementation of online learning through various discussion rooms such as Google Classroom, Whatsapp, smart class, Zennius, Quipper and Microsoft, are many more. Pohan, (2020:11) mentions several platforms or media that can be used in the online learning process including E-learning, Edmodo, Google Meet, V-Class, Webinars, Zoom, Skype, Webex, Facebook Live, Yootube Live, Schoology, WhatsApp. , E-mail and Messenger.

Technological progress will have an impact on human civilization and culture. In the world of education, education policy is sometimes influenced by the impact of technological advances. Sometimes, with advances in technology this will make it easier to achieve educational goals.

The benefits of online learning according to Pohan, (2020:8) are that it can make students more opposed to new things they know, including interaction techniques in learning, the use of diverse learning media. So that indirectly students can learn teaching materials independently. This is where a student is required to be able to use their non-cognitive skills such as skills in using technology and speaking English which are very often used for operating applications on cell phones. Self-Assessment to measure Non-cognitive skills Self-assessment is an assessment technique where students are asked to assess themselves with regard to the status, process and level of achievement of the competencies they have learned in certain subjects, based on criteria or references that have been prepared (Astutic and Maryani, 2007:34). In this study, students were not only asked to conduct self-assessments in certain subjects, but also in distance learning activities using the network that is currently being undertaken. The main purpose of this self-assessment is to support or improve learning processes and outcomes online (online) so that this assessment can be used as an assessment for improving the learning system. Antoro (2009:09) regarding the development of self-assessment to monitor the progress of distance students. This proves that self-assessment is suitable to be used as a measure of improving students' self-skills who are currently undergoing the online learning process. On the other hand, the implementation of self-assessment in learning assessment is still a debate about many teachers who are worried that it will result in an overestimated and subjective assessment. However, based on Wilujeng's (2014) research on self-assessment as a method of evaluating student learning outcomes, it shows that students who score high on self-assessment also get high scores based on teacher assessments.

Several obstacles in the implementation of self-assessment, including the problem of time and the level of honesty that is still lacking, and lack of self-confidence of students to assess their own work. In order to minimize this, Google forms will be used to do so. Currently, the application created by the largest technology development company in the world has been widely used by teachers in the online learning process in schools.

The change in learning styles that started from conventional and now must be implemented for learning through the network is not as easy as imagined, because e-learning is a new learning model implemented for students throughout Indonesia. When a reasonably in-depth study is required, the transformation of offline to online learning that is implemented to learners is required, because students who are used to taking offline learning will find it difficult to live by, and the current scenario forces children to participate in online learning. There are several applications that students and teachers have used during the online learning process, such as Google classroom, WA, YouTube, and Google class meetings. As we know that we have entered the era of revolution 4.0 which is increasingly sophisticated. The problem is that not all students can use the applications that are presented to them. Not only students who are clueless about technology, some teachers who are elderly are also still confused about operating the applications they use for online learning. Not only do the problems above occur during the online teaching and learning process, but there are also low costs in purchasing internet quota for families who have an average economy. These conditions make them overwhelmed and think even harder to find additional costs. This should be a concern for the government to review related distance learning. Whereas the 1945 Constitution has guaranteed that only every citizen has the right to receive a much better education. This is contrary to the facts and reality. Not only that, but many also found inadequate network strength such as students living in remote areas, it was difficult for them to get a good signal. This often happens to participants, so it can be said that online learning is not very effective in being implemented for students in distance learning.

1. Project Based Learning

This project based learning method was initiated by the implications of the Circular Letter of the Minister of Education and Culture no. 4 of 2020. This project based learning has the main objective of providing training to students to be able to collaborate, work together, and empathize with others. This project based learning method is very effectively applied to students by forming small study groups in working on projects, experiments, and innovations. This learning method is very suitable for students who are in the yellow or green zone. By carrying out this one learning method, of course, you must also pay attention to the applicable health protocols.

Project based learning is a learning model that makes students the subject or center of learning, emphasizing the learning process that has the final result in the form of a product. That is, students are given the freedom to determine their own learning activities, work on collaborative learning projects until the results are obtained in the form of a product. That is why the success of this learning is strongly influenced by the activeness of students.

With the implementation of a learning model, it certainly contains the goals to be achieved. The objectives of project based learning are as follows.

Train students' proactive attitude in solving a problem. Sharpen the ability of students to describe a problem in class. Increase the activeness of students in the classroom in solving complex problems until tangible results are obtained.

Sharpen the skills of students in utilizing tools and materials in the classroom to support their learning activities. Train the collaborative nature of students.

2. Online Method

This method utilizes an online network, and can make students creative in using existing facilities, such as creating content by utilizing items around the house or doing all learning activities through an online system.

This method is very suitable for students who are in the red zone area. By using a full online method like this, the learning system delivered will continue and all students will remain in their respective homes in a safe condition.

In recent years, online learning or e-learning methods have begun to be promoted by various groups. This method is considered to be an alternative for a more flexible and practical learning process and is preferred by the current generation of students. There are so many benefits of online learning, especially in terms of delivery which tends to be more attractive so as to increase interest in learning.

Online learning is a teaching and learning process that utilizes the internet and digital media in delivering the material. The online learning method is considered closer to the current generation of students who are known to be very integrated with technology products. This is one form of digitalization in the world of education that has many benefits.

Benefits of Online Learning with by Online learning is starting to become a trend in the digital era and can be used as an alternative to learning in many situations. Here are the benefits of online learning that you need to know.

Although online teaching has been encouraged for many years, the COVID-19 pandemic has promoted it on a large scale. During the COVID-19 pandemic, students at all levels (college, secondary school, and elementary school) were unable to attend school.

To maintain student learning, most schools have adopted online teaching. Therefore, the purpose of this study was to explore the design of online teaching activities and online teaching processes adopted by teachers at all levels during the pandemic. Online questionnaires were administered

to teachers in Taiwan who had conducted online teaching (including during the formal suspension of classes or simulation exercises) due to the pandemic.

According to a quantitative analysis and lag sequential analysis, the instructional behaviors most frequently performed by teachers were roll calls, lectures with a presentation screen, in-class task (assignment) allocation, and whole-class synchronous video-/audio-based discussion. Thus, there were six common significant sequential behaviors among teachers at all levels that were categorized into the four instructional stages of identifying the teaching environment, teaching the class, discussing and evaluating learning effectiveness.

College teachers reminded students of some matters first and then called the roll after the students went online. Secondary school teachers were more likely to arrange practical or experimental courses and to use synchronous and asynchronous interactive activities.

Finally, elementary school teachers were more likely to use homemade videos and share their screens for teaching and to arrange a large variety of teaching interactions. The differences among colleges, secondary schools, and elementary schools were identified, and suggestions were made accordingly. situations. Here are the benefits of online learning that you need to know.

3. Offline Method

Offline method is a learning model that is carried out outside the network. In a sense, this one learning is carried out face-to-face by taking into account the zoning and applicable health protocols. This method is very suitable for students who are in the yellow or green zone, especially with the strict new normal protocol. In this method, students will be taught in shifts (shift model) to avoid crowds. The offline learning model was suggested by the Minister of Education and Culture to fulfill curriculum simplification during this pandemic emergency. This method is designed to deal with curriculum delivery so that it is not too difficult when delivered to students.

In addition, this one learning is also considered quite good for those who lack or do not have the supporting facilities and infrastructure for the online system.

4. Home Visit Method

Home visits are one option in the learning method during this pandemic. This method is similar to teaching and learning activities delivered during home schooling. So, the teacher holds a home visit to the student's house at a certain time. Thus, the material that will be given to students can be conveyed properly, because the subject matter and assignments are carried out properly under the guidance of the teacher.

Using the home visit learning method, as an alternative to learning during the COVID-19 pandemic. This school program is implemented by means of teachers visiting student residences to provide learning, and solve problems faced by students.

Since the COVID-19 pandemic, it is not allowed to do face-to-face learning, so SMPN 1 Sungai Raya uses the home visit learning method. The decision to use this method is also approved by the guardian of the student, so that his child gets the subject directly from the teacher.

Before using the home visit method, SMPN 1 Sungai Raya did online learning. However, this method cannot be enjoyed by some students, especially those who live in remote areas and do not have supporting facilities to obtain material through online learning.

Home visits are carried out by means of teacher visits to students' homes and gathering students who live close to a maximum of 10 children. For the learning schedule in each home visit class, students will receive subjects twice a week, with learning times starting at 08.00 to 10.00 WIB.

With home visits, students can capture learning visually and audio, because not all of them master one of these learning media. There must be both, such as the teacher writing and the students seeing directly.

The home visit learning method can develop during this COVID-19 pandemic, so that students can still get a proper and easy-to-understand education.

5. Integrated Curriculum

This method will be more effective when referring to the project base, where each class will be given a project that is relevant to the related subject. In this method, it does not only involve one subject, but also relates learning material from other subjects.

By applying this method, in addition to students who collaborate in working on projects, other teachers are also given the opportunity to hold team teaching with teachers in other subjects. The integrated curriculum can be applied to all students in all regions, because this method will be applied online. So the implementation of the integrated curriculum is considered very safe for students.

As we know, the education system in Indonesia during the pandemic underwent significant changes. Various policies were carried out by the government to adjust to the current situation.

Therefore, the learning method also requires an innovation that is effective in helping students in distance learning (PJJ). That is. the establishment of a kind of project-based team teaching. The project can be a combination of several subjects and done at home.

From this brief explanation, we can see that the method in question is an integrated curriculum or also known as an integrated curriculum.

This method is actually not a new thing because before the pandemic period it had not been widely applied. The main reason is that the Indonesian education system still uses the separated subject curriculum method in which each subject is arranged separately and is not interconnected.

Well, if we describe briefly, this integrated curriculum aims to organize the curriculum by removing the boundaries of separate subjects so

as to encourage students to see the interrelationships and connectedness between subjects with one another.

An example of an online implementation is that students are divided into several teams and then given a project.

For example, in a Biology lesson, each student on a team is asked to look for a particular species in their home environment. Then, the results of the discovery of these species are associated with Geography lessons.

After that, each team made a report using English in which in this aspect the Language teacher could provide corrections. Through this description, we can see that this integrated learning involves students starting from planning, exploring, and doing brain storming.

In addition, students must also be able to work in teams, are required to actively seek as much information as possible, and be able to think critically so that learning abilities can be developed. Meanwhile, the role of the teacher here is more as a facilitator and catalyst.

Despite the many benefits of the integrated curriculum method, unfortunately, not all institutions are able to apply this method. The first most basic and common reason we encounter is the lack of teacher competence.

In this integrated learning, of course the teacher must be broad-minded, not stuttering about technology, have high creativity, and be able to do team teaching with other subject teachers.

The second reason is that many institutions have inadequate facilities and infrastructure. For example in terms of internet facilities and books as reading material.

Finally, this curriculum must be oriented towards achieving complete understanding of students and not only achieving the target of delivering material.

This is quite a challenge because in distance learning (PJJ), a teacher cannot monitor, control, and test students' understanding directly.

Despite its shortcomings, the integrated curriculum method is considered effective enough to be applied. We will be trained to think critically, able to work together in a team, and always hungry for information.

Remember, a pandemic like this is no longer a barrier to stop exploring and achieving, but we must prove that we are capable of dealing with it.

6. Blended Learning

The blended learning method is a method that uses two approaches at once. In a sense, this method uses an online system as well as face-to-face through video conferences. So, even though students and teachers are learning remotely, they can still interact with each other. This method is effective for improving the cognitive abilities of students.

The concept of blended learning is a new way of learning which combines face-to-face strategies in the classroom and distance learning or online. The application of mixed learning is an innovative way to increase the success of students in training.

Meanwhile, according to the Association for Talent Development, blended learning is the practice of using several media in one curriculum and combining formal and informal learning, such as learning activities in the classroom, online, and direct learning in the field, as well as job coaching.

The concept of blended learning can also be applied in companies, namely through training or human resource capacity development. Companies or organizations that have an approach to blended learning as well as identify the process of realizing the company's goals and objectives. This strategy should go deeper into learning with adjustments to improve the performance of certain teams, such as customer service.

7. Learning Through Radio

Learning through radio has become a learning innovation during the COVID-19 pandemic in Ogan Komering Ulu district. This method is a

collaboration between the Education Office of the Ogan Komering Ulu district and Radio Sukses which is a local government radio. This method is one way to overcome the difficulty of internet access and a solution for parents of students who do not have a smart phone. Learning is carried out by competent teachers with students who become models and also interactively with students who become listeners. For PAUD level, it is held every Wednesday with the CERIBEL system (Stories While Learning), Elementary level every Tuesday, and Middle School level every Saturday.

Given the COVID-19 pandemic, which does not know for sure when it will end, the above learning method can be used as an option for students, teachers and schools so that teaching and learning activities can continue.

Radio as one of the mass media has a strategic role in providing information, education and entertainment to the public. Through electromagnetic waves and internet connection, radio is able to send messages properly to consumers.

This role was increasingly strategic when the Corona Virus (COVID-19) began to be detected in Indonesia, and then escalated into a pandemic. This research was conducted to determine the role of radio during the COVID-19 pandemic, in dealing with the Covid-19 pandemic situation in Surakarta. With a qualitative method approach, the authors collected primary data by means of interviews and field observations.

B. Learning Media in the Pandemic Era

1. Understanding Learning Media

Learning media is a tool used as an intermediary in distributing information/messages of knowledge about learning to students. According to Yuliana, et al 2017: 136) states that learning media acts as a means of communication in a learning series, aiming to achieve learning processes and outcomes effectively and efficiently. Therefore, the role of the media is very important during the learning process. In contrast to the opinion of Musfiroh Daraini, Musfiroh (2017: 4) states that the use of media is needed

in the learning process. This matter because the media can help lecturers in delivering the learning material to be delivered. Media is a tool for teaching and learning process to deliver learning material in order to achieve learning objectives.

After understanding the meaning of "media" and "learning" it can be concluded that learning media are all forms of physical facilities in the form of environment, hardware (hardware) and software (software) that can be used as intermediaries or distributors of information from the sender of the message to the recipient of the message. According to Asyhar (2014:8) learning media can be understood as anything that can convey or distribute messages from a source in a planned manner, so that a conducive learning environment occurs where the recipient can carry out the learning process efficiently and effectively.

Based on the experts above, it can be concluded that learning media is a tool that helps the learning process and aims to make it easier to deliver data to students.

While online learning media is a learning media used in utilizing the internet network in its use. This online learning media itself usually uses an application on an Android phone or utilizes a website in practice, all the use of this learning media requires the use of the internet, so it can be operated.

As for the use of media in online learning, lecturers are given the freedom to choose. Several platforms or online media that can be used such as Edmodo, Google Meet, Google Classroom, Zoom Meeting Cloud, Skype, Whatsapp, Facebook, Youtube, E-mail, and so on.

a. Use of Learning Media In general, according to Sumiharsono and Hasanah (2017:10-11) learning media have uses, including:

b. Clarify the message so that it is not too verbal (in the form of written words or verbal only)

c. Overcome the limitations of space, time, energy and sensory power. For example, large objects can be replaced with pictures or film frames.

Motion that is too fast or slow can be helped with time elpse or high-speed photography, etc.

d. Generating a passion for learning, more direct interaction between students and learning resources. The use of appropriate and varied learning media can overcome the passive attitude of students,

e. Allowing children to learn independently according to their visual, auditory and kinesthetic talents and abilities. The existence of learning media allows students to learn independently according to their abilities and nature.

f. Giving the same stimulus, equating the experience and causing the same response. This can address the unique nature of students coupled with different environments and experiences, while the curriculum and educational materials are determined the same for each student.

2. The Benefits of Learning Media in the Pandemic Period

In recent years, online learning or e-learning methods have begun to be promoted by various groups. This method is considered to be an alternative for a more flexible and practical learning process and is preferred by the current generation of students.

There are so many benefits of online learning, especially in terms of delivery which tends to be more attractive so as to increase interest in learning. Online learning is a teaching and learning process that utilizes the internet and digital media in delivering the material.

The online learning method is considered closer to the current generation of students who are known to be very integrated with technology products. This is one form of digitalization in the world of education that has many benefits. Online learning is starting to become a trend in the digital era and can be used as an alternative to learning in many situations. Here are the benefits of online learning that you need to know.

Practical and flexible The first benefit of online learning is in terms of practicality. With online learning, interactions between teachers and students will be more practical because they do not have to travel to meet.

In addition, there is no classroom as a place for formal learning. The teaching and learning process can take place anywhere as long as it is conducive and can help to focus. In addition, there is no need for extras such as the need to "dress up neatly" or "appear formally" so that it is more flexible.

A more suitable approach Online learning uses a technological approach that is more suitable for today's learners than conservative methods of learning in the classroom.

The delivery methods used in online learning classes are also generally a combination of formal and informal. You will more easily understand something that is conveyed in a way that is more in line with your "style", right?

Enjoyable learning experiences Online learning has released learning items in the classroom such as teachers with markers and whiteboards, and students with notes and pens.

You will get more interesting teaching with various media formats, be it photos, videos or audio. All of them will give you a more enjoyable learning experience.

More personal, some online learning techniques may use materials that are one-way, but many also provide two-way communication. Some online learning classes really connect students and teachers at the same time to be able to interact like in class, but in front of a screen.

The teacher will directly provide learning materials and students will be able to directly ask and discuss it. In this way, online learning can be said to be more personal because both the teacher and the students actually have two-way interactions at one time.

Save time and money in conventional two-hour learning, for example, it can take at least three hours for classes to start due to room changes. Well

teachers and students must both travel time to reach the class used for learning.

In addition, there are additional costs such as the procurement of books and photocopies of materials and so on. One of the other benefits of online learning is that it cuts all these expenses so that students and teachers only need to be connected to a screen and an internet connection.

Easily documented by conventional learning methods, students need to take notes or to make copies of the course material for themselves. Another way is to photocopy the material, but this method will require paper media so it is not very practical. Another benefit of online learning is using media that allows students to record and store the material provided in digital form. So that it can be easily accessed and studied again at a later date.

Environmentally friendly with reduced mobility, you have indirectly reduced the pollution caused by motorized vehicles. In addition, online learning does not require paper either for the provision of materials, questions or data collection.

This of course has a positive impact on the environment because it reduces the consumption of paper made by destroying the environment and reduces the waste generated from its use.

Alternatives during social distancing The COVID-19 outbreak has forced us to limit social interactions to break the chain of spread, including the teaching and learning process in the classroom.

However, education must continue, one of which is by utilizing an online learning system. With this system you and your teacher do not need to meet but the teaching and learning process can continue.

Online learning has many benefits. Can save costs and time, more practical and flexible, a more appropriate approach, a fun learning experience, more personal, easy to document, environmentally friendly because it can change.