Utilizing Educational Technology as a Learning Solution in the New Normal Era of Community Life

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Abstract
This virus disaster has proven to be able to overwhelm almost all the people of the world, especially the people of Indonesia. In addition to having claimed many lives it has also damaged all systems of community life, one of which is the education system. To prevent this pathway from spreading the pandemic, the central government established policies specifically in the field of education which required students to carry out teaching and learning activities carried out at their respective homes online, both at the elementary, junior high, high school, and college level. The High School X educational institution is one of the educational institutions, which was the object of this study, which also experienced the impact of this pandemic and was forced to change its teaching and learning system, namely from offline learning activities and converted into online teaching and learning activities. Also related to the impact of the pandemic on the education system also affects the absence of the National Examination and changes the registration system for new students from High School X who will continue to the next level of education.

Keyword: Modernization, Technology, Covid-19 Pandemic, Online

Introduction
It is unexpected and unpredictable that the world will experience this disaster. A disaster that has killed the lives of most of the global community, causing a commotion almost the entire world community (Abuhassna et al., 2020). Disasters that cannot be seen
and predicted are the ones that make people tremble in fear. Not a natural disaster such as a tsunami, earthquake, and other natural disasters, but a disaster in the form of an attack from a number of small creatures that cannot be seen with the naked eye that attack human life, namely a viral disaster (Ifenthaler et al., 2019).

That as we know from the start, the virus known as the Corona virus, which is the main character of the current disaster, was born in China, to be precise in Wuhan, one of the cities in China. In a study stated that the virus originated from one of the wild animals, namely bats. Meanwhile, bats in Wuhan, China are one of the traded animals available in the market, where most people consume these animals. One of the targets for attacking the virus is the human respiratory system and its spread in various ways, for example by coming into direct contact with a person who has the virus, through the air, and so on. In this way, the virus spreads very quickly, even in its birthplace the virus has changed its name to the Corona Virus Diseases, a disaster that has claimed hundreds of thousands and even more people, until finally the city was closed or in quarantine (Kristiawan & Muhaimin, 2019).

As already mentioned, the disaster that made a commotion almost the entire world community indicates that the spread of the virus has multiplied so rapidly and in large numbers that it has spread to all parts of the world. Regardless of that, developed countries such as America, Britain, Italy, Spain and others as well as developing countries such as Indonesia, Malaysia, Thailand and other developing countries are visited by this virus community (Zulkarnain et al., 2020; Aisa & Lisvita, 2020). That it cannot be denied that the presence of this virus in all countries of the world is capable of changing the existing systems in this world. All of this happened because of the fear and concern felt by the whole world community about the dangers of this virus (Siron et al., 2020; Hastini et al., 2020). The world economy has become disrupted, as well as social, educational, political and others affected by the virus disaster.

Indonesia, is a developing country, a country located in Southeast Asia that is also affected by the Covid disaster. Just like other affected countries, this viral catastrophe is able to destroy previously normal systems into chaos (Adisel & Pranasona, 2020). One of the things affected is in the education sector in Indonesia, at the elementary, junior high school, high school and university levels who are forced to implement an online learning system to prevent the spread of the Covid-19 pandemic (Latip, 2020; Zulfitria et al., 2020). The process of replacing the learning system into an online system so that students can continue the learning process even though they are at home which is one of the government programs in suppressing and preventing the process of spreading the virus (Salsabila et al., 2020; Astini, 2020).

Social Transformation

Social change that occurs in people's lives is not a process of change that occurs suddenly in the circle of life. This is related to individuals or groups and even structures that carry out or plan for social change or some that lead to life, so that changes occur quickly in community activities (Affendi & Wahidy, 2019; Albatyneh et al., 2018). Regarding this view, a sociological figure, for example Comte, formulated and issued his idea that the changes that occur are the existence of objects that exist in life and exceed the power in humans. If we analyze that the form of objects is abstract or not real or invisible
to humans. However, that power rules and dominates the world, and we can accept it with reason or common sense (Aripin, 2019; Ginaya et al., 2018).

Marvin Harris said that the changes that occur in people's lives are due to changes in the superstructure. Superstructure change is a change of thought. Humans are able to create new things because of changes that occur in their life activities. For example, changes in the economy that result in humans looking for and finding new economies to achieve a decent life into the future. According to Suminar (2019), the main factor that causes humans to change is the economy that cannot fulfill their daily lives. These changes do not only affect individuals but also groups or structures that develop in their lives. Overall economic change can transform standard habits into increasingly chaotic, coercive and ultimately extinct. Thus, individuals, groups and structures are targets of social change in people's lives.

Aulia & Arpannudin (2019) stated that the scope of social change includes cultural elements both material and immaterial. Kingsley Davis states that social change is the changes that occur in the structure and function of society.

Where according to Aripin & Suryaningsih (2019) and that changes - changes in social is a variation of a way of life that has been received. These changes occur either because of changes in geographical conditions, material culture, population composition, ideology or because of diffusion or new discoveries in society. Meanwhile, according to Samuel Koenig, social change refers to the modifications that occur in the patterns of human life. These modifications occur for various reasons, both internal and external causes.

Furthermore, Abi (2019) quoted Selo Soemardjan's opinion, that social change is all changes in social institutions in a society that affect its social system, including values, attitudes and patterns of behavior among groups in society. The emphasis contained in this definition is on the institutions of society as the basic human association, where these changes are influenced by the structure of society itself. There are several factors that cause social and cultural change, including: a) Because that comes from the community itself: Increase or decrease in population, New discoveries, Conflicts in society, and The occurrence of rebellion or revolution within the community itself; and b) Causes that originate outside of society: Causes originating from the physical environment around humans, War with other countries, and The influence of the culture of other communities (Sudarsana et al., 2019).

Modernization

Basically, all nations and peoples in this world are constantly involved in the process of modernization, although the speed and direction of change varies from one society to another. The modernization process is very broad, it is almost impossible to limit its scope and problems, starting from the social, economic, cultural, political, and so on.

The concept of modernization in the special sense that modernization theorists agreed to in the 1950s and 1960s, is defined in three ways: historical, relative, and analytical. According to the historical definition, modernization is the same as westernization or Americanization. Modernization is seen as a movement towards the ideals of society which is used as a model. In relative terms, modernization means efforts aimed at matching the standards considered modern by both the public and the
authorities. The definition of analysis is more specific than the previous two definitions, which describes the dimensions of modern society with the intention of being implanted in a traditional or pre-modern society.

Modernization is a process of transformation from a direction of change to a more advanced or increasing direction in various aspects of people's lives. In simple terms, it can be said that modernization is a process of changing from traditional ways to new, more advanced ways, which are intended to improve the welfare of society. In line with Wilbert E. Moore's opinion, which states that modernization is a total transformation of traditional or pre-modern shared life in the sense of technology and social organization, towards economic and political patterns that characterize stable western countries.

In this case, it is related to the development of educational technology in society so that it can be a solution to this problem, namely the problems caused by this pandemic so that all people are forced to stay at home to prevent the spread of Covid-19 from spreading. The presence of technology in the field of education, such as the presence of the WhatsApp social media application, the Zenius learning application and the Ruangguru and so on can be an online learning space for students, so that even though students are at home, students can fill in positive things by learning online.

The requirements for modernization are as follows: a) An institutionalized scientific way of thinking in both the authorities and society. This requires a well-planned and well-planned education and teaching system; b) A good state administration system, which really embodies the bureaucracy; c) The existence of a data collection system that is good and orderly and centralized in a particular institution or agency. This requires continuous research so that the data is not left behind; d) Creation of a favorable climate from the community towards modernization by means of the use of mass communication tools. This must be done step by step because it has a lot to do with the belief system; e) A high level of organization, on the one hand means discipline, while on the other hand means a reduction in independence; and f) Centralization of authority in the implementation of social planning. If that is not done, planning will be influenced by the forces of interests who wish to change the planning in the interests of a small group in society.

Method

The qualitative method is a research method based on the philosophy of postpositivism, used to examine the condition of a natural object, (as opposed to an experiment) where the researcher is the key instrument, the sampling of data sources is done purposively and snowbaal, the collection technique uses triangulation (combined), data analysis is inductive or qualitative, and the results of qualitative research emphasize meaning rather than generalization.

The method used in this research is qualitative research methods. In addition, qualitative research methods also position the researcher as a core instrument. In this case, the researcher spends a lot of time in the research area to observe and understand the problem in depth. This method is descriptive in nature, so that the data collected is more in the form of words or images than data in the form of numbers which emphasizes the process rather than the product. This method tends to analyze data inductively. Researchers collect data or evidence not to prove the hypothesis that the researcher has
before carrying out the research. Rather, it is to develop theories based on specific things that have been found and collected from the field. In addition, this research emphasizes the process rather than the product, so that it questions how why rather than what.

As explained above, that this research method is descriptive. In this case, the writer describes the problems found as they are. Descriptive research aims to provide a description of a symptom or a relationship between two or more symptoms.

Results and Discussion

That if it is linked or we discuss education, our minds will immediately go to what is called school. Gorton, argues that "School is an organizational system, where there are a number of people who work together in order to achieve school goals, ..." School is an educational unit that has a fundamental function, namely as a vehicle or place for the learning process to take place, the process of planting and developing potential -the potential of the individual human, so that it will form a noble human being.

Albatayneh et al. (2018) stated that: "Schools are complex and unique institutions". It is complex, showing that school as a social system has various dimensions that are interrelated with one another. Meanwhile, it is unique, indicating that the school is an organization that has certain characteristics and is not shared by other organizations, such as a place for the learning process and the culture of human life. Thus, school is a system of formal educational organizations that requires management in carrying out its basic functions, namely as a place for the learning process to take place, the process of cultivating and developing the potential of the individual human, which is expected to produce quality graduates, in accordance with the demands of society's needs, and can contribute strong against nation-building.

Talcott Parsons mentions the school as a system, which consists of various sub-systems. The existing sub-systems in schools are related to one another. Interaction at school takes place in four categories. The four categories include school leaders, teachers, students, and non-teacher employees. school is a social system in which there is a set of established relationships, which determine what happens in school.

That educational institutions are one of the components in this country that are also affected by this virus disaster apart from economics, politics and society. It is undeniable that the virus disaster that hit this country has been able to tear apart the existing system, so that the institution must change its system so that it can run normally again in the sense that it can run according to the current situation. Many in the education system in particular have had to be adjusted and changed due to this disaster, for example, such as the elimination of national exams for elementary, junior high and high school levels, online learning, and other education policies.

As explained earlier, the current corona pandemic has also changed the existing system so that it can run but by adjusting the circumstances that are happening. Likewise, in the location I studied, the learning system was also carried out online, but if you look at it in depth, the actual learning policies implemented by the SDN 1 Tanggulangin school are not completely 100% online. I got a resource person who was willing to explain the learning system received during this pandemic. The resource person is one of the elementary school students who is currently in grade 6. told by him that the school is implementing a health protocol, namely by dismissing all students to study at their
respective homes. Then regarding the learning system the teachers will inform the tasks that must be done by students through social media in the form of whatsapp groups, so that later they will be done by students and collect directly to school in turn.

That in this case, City X is not the worst case in this Covid case, but there are cases of City X people who are indeed affected by this virus. In this case regarding the case of Covid, the potential for transmission of Covid is small, but it does not rule out the possibility that this could happen. Therefore, the health protocol in each activity is limited and in the monitoring of the village government, especially learning activities at this elementary education institution.

Returning to the case of online learning, as it has been explained that the learning activities carried out by the supervising teacher are only limited to giving assignments, it is not like maybe what is in big cities is teaching and learning activities in big cities that use application media, learning such as google classroom, zoom meeting, google meeting and other applications. This cannot be determined in this village considering that the resources are still limited, in other words, not completely 100% of parents have smartphones, besides that, even though the state of smartphones is also limited regarding learning applications such as some of the application media mentioned above. That is why learning is only done by giving assignments to students to do at home.

The Whatsapp application is the only application media that functions to receive information related to learning at the school. As a researcher, I once asked a resource person and tried to ask questions regarding the school's WhatsApp group. There are two kinds of whatsapp groups available, namely the first is the whatsapp group of the class concerned, and the second is the school's whatsapp group. Whereas in addition to school assignments in the form of assignments to students, there are also assignments in the form of assessments by the teacher of what activities are carried out by students while students are at home. The task given is in the form of photo and video documentation yang will be sent to the school group. The documentation is divided into two types, namely the first type is documentation of photos or videos of activities at home when helping mothers with household activities, for example helping with washing dishes, helping with sweeping, and so on. And the second type is the photo or video documentation of the child washing their hands related to the Covid program, namely the proper and correct way to wash hands using soap to avoid Covid-19.

That as we know, the current covid pandemic has been able to change the system of people's lives, in particular it has changed the education system which previously was able to run according to existing procedures and systems. As previously explained, this pandemic runs through the holy month of Ramadan until Eid, this pandemic is still present in people's lives. In addition, this pandemic is also present at an important event in national educational institutions, namely the schedule for implementing simultaneous national exams for Primary School, Middle School, High School, as well as the implementation process for college registration which had to be disrupted due to the Covid-19 pandemic. For elementary, junior high, high school levels due to the covid pandemic, namely the absence of a National Examination, due to the precarious situation that is happening.

The Covid disaster is a global disaster experienced by all Indonesians. In terms of education, it is also affected by this pandemic. It previously described is about learning
Whereas in this case the researchers also looked at the change in the system as a result of this outbreak associated new admissions process in particular researchers conducted this study and asked one of the speakers who have graduated from 6th grade that want to register for junior high school which is a further education level. Whereas the making of requirements for registrants is carried out by every educational institution intending to open registration at the agency concerned. Namely changes to the requirements for collection of subject scores. As previously explained, due to this pandemic the elimination of the National Examination, which basically the value obtained from the national exam is used to register for the junior high school in previous years. With this pandemic, the elimination of the National Examination as the main requirement for entry to the Middle School level also changed the system or requirements for entering the Middle School level. Researchers try to enter and participate in the process of registering resource persons to the junior high school level. The registration process for the first time in this agency was carried out online considering the current conditions. The registration process can be performed directly at their homes could it use a smartphone or laptop or computer. The registration process is carried out through the website of the educational institution concerned by filling in the bio as usual. After that on the page there is an order to enter the report card grades since grade 4 semesters 1 and 2, grade 5 semesters 1 and 2, and the last is to enter grade 6 grades which are only listed semester 1 only. The process of inputting the report card scores is a system that has been changed by educational institutions regarding the admission of new students, especially at High school X. With the elimination of the National Examination as the main requirement for entry to the Middle School level, this has been changed to the input requirement for report cards as the main requirement for considering the ability of prospective students who will register. Whereas until the time this research report was made, researchers were involved from the initial process of registering resource persons to the final stage, namely the process of submitting files to the educational institution, namely High School X. Unlike in the initial registration process which is carried out online, the file submission process is carried out in person, namely by delivering the required files at registration, for example a graduation certificate, photocopy of birth certificate, photocopy of family card and other requirements. That of the experienced researcher and observe the effectiveness of health protocols set forth by the school less can be noticed by most people, especially for the students and parents who were accompanied to the process of transferring files at the High School X. Conditions are increasingly not conducive when registrants are getting busier and day by day. Until in the end, considering the increasingly unfavorable conditions and the school that must continue to implement the health protocol related to Covid-19, the school continues to urge registrants and parents to continue to carry out health protocols.

The process of submitting files in the registration procedure held by the High School X educational institution is the only stage that is carried out offline or by direct contact with the school, because after that, the announcement process is also carried out online, namely announcing whether a candidate is accepted or not. These students at the school will be listed on the High School X website page, and prospective students can find out this information anywhere without having to visit the school. That is the registration
process carried out by educational institutions in the process of admitting new students during this pandemic. Whereas for the next stage, namely the next learning process, the relevant agencies have not announced how the policy will be during this pandemic, or will it be implemented online or offline.

Then the next discussion is about whether the learning carried out online will be fully effective or will it run as expected by the central government regarding education? the answer is not fully effective 100% teaching and learning process can be carried out as expected. Especially what happened in this Village, where learning is only about collecting assignments and will be captured and sent to the class group. Then another problem is regarding the distribution of the learning quota provided by the Ministry of Education and Culture. Whereas from the research I have done on this matter, there is a function that is not expected, namely regarding the learning quota, it is not used properly for the benefit of learning. As previously explained, the existence of this pandemic makes parents of students inevitably have to provide this online learning facility, which is in the form of a smartphone. Then the malfunction is that students prefer to play online games rather than do online learning. To make matters worse, the use of learning quotas for the benefit of playing online games.

From this we can know that educators have a very important role in the teaching and learning process of students. Not only as a transfer of knowledge, namely in the process of educating students intellectually, but there are also more important aspects, namely moral intelligence and spiritual intelligence. But we also have to remember that in such conditions no busy interactions are allowed to prevent the spread of Covid.

Researcher also don't forget to look at the phenomena that occur in this regard, what the people of this Village are doing to overcome this problem. that in this regard, teachers or educators see the importance of teacher supervision in the process of teaching and learning activities. From this, the process of teaching and learning activities is carried out face-to-face. However, what is done in this Village is teaching and learning activities with a new model, where even though the teaching and learning process is carried out face-to-face, it also takes into account health protocols. For High School X, teaching and learning activities are carried out at the teacher's house or also in the prayer rooms. In addition, face-to-face teaching and learning activities still pay attention or are still carried out on a small scale.

Conclusion

That currently, the presence of media or applications in a smartphone connected to an internet network that makes it possible for each individual to communicate remotely and quickly is abundant. And one of the media that is popular in supporting the communication and learning process is like Whatsapp which is used by parents or teachers to post assignments that will be given and done by students through class Whatsapp groups. And besides that, student guardians will provide activities related to Covid-19, for example, videos of washing hands or other useful things while studying at home which will later be posted in the class group.

In addition to online home learning activities, there is a change in the admission method for new students who are alumni of High School X who will register for secondary schools. Whereas it is the same as learning activities at home which are carried
out online, this also forces these further education institutions to change and adapt to the current situation, namely the registration of new students which is carried out online. Registration of new students is carried out through the educational institution's website, then the submission of files is submitted offline but still observes the established health protocols.

In addition, it is also stated in the addition that the importance of an educator in the teaching and learning process of students. Namely as a supervisor in the children's teaching and learning process. The teacher or educator is not only a transfer of knowledge, but has a more important role than that, namely as an agent in educating students, not only intellectually, but also spiritually and morally intelligent.

References


