

The Impact Of Covid-19 In Education Field And Teachers As Agents Of Change

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ABSTRACT

Covid-19 cause many changed to the education field and the teachers. In normal situation and condition, teaching and learning process is done face to face at the class, but it is very different now. The teachers and the students have to do online learning using learning applications. These changed causes the stakeholders face much impact especially in the process of transferring the knowledge. This research aimed to describe the impact of Covid-19 in education field and teachers as agents of change. This research used literature study to find out related theories to the research problems. The research sources are journal, book, documentation, internet, and library and so on. The results show that Face to face learning has to move to daring learning at home using technology internet. The teachers have to learn more about how to use daring media as a tool in the teaching and learning process like how to apply Google classroom, Facebook, Twitter, Zoom, and YouTube. The teachers is also have to improve their capability in online teaching and learning process by following workshops, choaching, seminar and KKG. Not only the teacher but also the students will do the same thing as the teacher learns how to do daring learning at home.

1. INTRODUCTION

Education in its purest sense for all human beings is an unavoidable necessity (Yusuf, 2018). In other words, education is never dying. People need the education to get knowledge for their continuity life. A human cannot do anything without the knowledge and it gets in education (Formal or informal). Every life activity needs science to get a good result. Bacon in Prasetyono said that science is the answer of human problems (knowledge is power). Science superiority in various life (Prasetyono, 2013).

Like a farmer, to be an empower farmer needs knowledge, skill, and action to their potential (Mutmainah & Sumardjo, 2014). It means that farmer necessities knowledge about agriculture in getting a better plan product. An entrepreneur also needs knowledge about commencing to sell their product to the consumers. A teacher is a necessary knowledge to teach the students. Whatever the professions, it needs science to work well. It gets from formal or informal education (in this paper talk about formal education).

Usually, education happens in educational institutions like schools and universities. The teaching and learning process do face-to-face. The teachers and the students learn in the

classroom directly. The interaction between the teachers and the students happens directly in the school environment (Aji, 2020). The students can play with their friends and classmate directly so they enjoy their learning environment every day. Now, every field of life has been changed included education field (Aji, 2020). The impact of covid-19 seems to the all sectors of human life included education sector (Hermawan, 2020). The government announces that all humans should avoid direct interaction or stay at home (learn from home) (Kemendikbud, 2020b). It is happened because of the coronavirus pandemic (Kemendikbud, 2020b).

Coronavirus pandemic causes many changes in human life. Working people have to work at home, and the educators should teach the students at home. The students have to learn at home too. It means that all educational activities are done at home using the internet (daring) to avoid coronavirus (Kemendikbud, 2020b). Teaching and learning processes have to use the application as Google meet, Google classroom, zoom, Webex, Facebook, Twitter, and so forth (Kemendikbud, 2020a). Daring learning is online learning process uses some applications such as Google Classroom, WhatsApps, Zoom, and Google Meet (Jamila et al., 2021).

This new situation and condition are so different from educational activities before. It means that in this condition every school has to force to use daring media (Aji, 2020). These cause the teachers and the students to work hard in adapting the recent way in the teaching and learning process especially about the skill in using technology (Aji, 2020). The teachers must be able to carry out the effective online learning process at home. Teachers must be able to teach in online way, teachers competence in applying technology is very needed (Mastura & Santaria, 2020).

In reality, teachers' competence in using technology is lacking, many teachers are not ready to utilize technology as a media in doing online learning. Senior teachers are not ready to use the facilities to support daring learning too (Hermawan, 2020). Not all teachers are proficient in applying technology especially in rural environment (Mastura & Santaria, 2020).

Differentiating ways, situation, and condition of learning will come with many impacts on the teachers and the students in doing and following the daring learning process. The writer is interested in writing this paper to see the impact of coronavirus on education and teachers as agents of change.

2. METHODOLOGY

The research method is a literature study. Literature study is a way to collect the data or sources which relevant to the research topic. The purpose of a literature study is to find out related theories to the research problems. The research sources are able to get from some sources like journal, book, documentation, internet, library and so on. This research focuses on review and answers the question relates to the variable (Sugiyono, 2015).

The research instrument use secondary data. Secondary data is gotten of journals, books, documentation, and internet. Documentation is a method to find important data or document trough article, newspaper, magazine, journal, library, browser, book documentation and electronic media like internet which is related to this study.

In analysing the data, the writer uses content analysis method. Content analysis method is describing and analysing the facts. It is more than describing the fact but give more details explanation to help the readers comprehend it well. Content analysis uses qualitative data in the form of text, make suitable prediction writer thinking analysis, making coding and result interpretation in the form of description (Rozali, 2022).

The procedure of content analysis is first, formulate the problem (the writer has to formulate specific problem). Second, media selection (the writer has to choose relevant data sources with research problem. third, definition operational (sit relates to analysis unit). Forth, drafting training code and check reliability (code carry out to identify the main features category). Fifth, data analysis and report preparation (quantitative data obtained by content analysis can be analysed by technique standard statistics and the data is also analyze in the form of coding sheets) (Rozali, 2022).

3. RESULTS AND DISCUSSION

3.1 Coronavirus (Covid-19)

Today, the world is getting a pandemic that makes government and citizen panic. The pandemic is a virus that named is coronavirus or covid-19. Firstly, this pandemic is called Novel Coronavirus (2019-nCoV). WHO announced that the new name of this illness is Coronavirus Disease (COVID-19) (Susilo et al., 2020). Coronavirus disease is a new sickness that is never identified in humans. The general characteristic of corona infection is an acute respiratory infection like cold, cough, respiratory difficulties (W. A. F. Dewi, 2020). Therefore, Coronavirus or covid-19 is one of unseen disease and attack human respiration that causes fever, cough, and breathing difficulties everyone without seeing who they are, age, and position.

WHO informs that coronavirus (covid-19) on January 14th, 2020 as a human health emergency that causes of world uneasiness (W. A. F. Dewi, 2020). Barcena in Parwanto said that the coronavirus is round with a diameter of about 125 nm as described in the study using cryo-electron microscopy. Coronavirus particles contain four main structural proteins, namely the S protein (spike protein) which is shaped like a nail, M protein (membrane protein), E protein (envelope protein), and N protein (nucleocapsid protein) (Parwanto, 2020).

This virus treats many humans with quick transmission from human to human. It can see from some causes like a medical officer who treats a covid patient without travel history to exposed placed of coronavirus. Chinese tour companion who come to Japan, a patient who confirmed of coronavirus come from Wuhan city passed it to his wife (Handayani et al., 2020). It means that this illness can spread quickly from human to human by physical contact.

3.2 Education Field

Education is part of human life. It means that humans need education for their life. The human character is shaped by teachers helping through education. But now, the situation is so different. Many life activities are changed. It is because of Coronavirus that causes human panic. This condition gives many impacts to all life aspects like social, economic, tourism, including the education field and stakeholders. Whatever the situation and the condition,

education has to go on. Responding to this situation, the government gives solutions to do daring teaching and learning using the internet (Kemendikbud, 2020a). Therefore, the teacher and the students can do their job as usual and education can run well.

The government governs to postpone all activities indoors or outdoor in all fields to emphasize the spreading of Coronavirus (covid-19) particularly in education fields. All education activities have to do daring using the internet and the tasks should be diverse (Kemendikbud, 2020a). based on those conditions, all education activities like teaching and learning process, administration, meeting, seminar, and so forth have to do using the internet or daring (Online) or learn at home. Besides that the government asks a citizen to stay at home, avoiding physical and social distancing. This condition cause educational institution should change the learning ways from face to face to online (Khasanah et al., 2020). It means that the educators and the students have to move from conventional learning at school to modern studying using technology or online studying.

Daring learning and direct learning is so different. It causes hard work to adapt the new ways in the teaching and learning process. Related to this case, the Ministry of Education and Culture of Indonesia distribute Circular Letter no. 4 2020 about the implementation of education policy in spreading emergency of coronavirus (covid-19) that teaching and learning process do at home using technology or daring learning in giving meaningful learning experience to students and its focus on life skill education about covid-19 (Kemendikbud, 2020b). In other words, online learning refers to ICT based learning (L. Dewi, 2017).

Daring learning is a learning process using the internet and it gives the students freedom of learning time, and also can learn the material whenever and wherever (Jamila et al., 2021). In other words, the students can access learning materials with unlimited distance, space, and place. As long as the students are connected to the internet they can access the material anywhere and anytime (Sari, 2015). The interaction among students and teacher can do using some applications like classroom, video conference, or live chat like zoom, youtube, WhatsApp, google classroom, and so forth (W. A. F. Dewi, 2020). Therefore, Daring learning is a learning process that needs internet to do learning process through video, sharing material or giving and asking the question, or debate about a case discussed.

All activities that are related to daring teaching and learning do without face to face, learning materials, communication, assignment, and examination are also online. Knowledge transferring is through online platforms that make the teacher and student meet and interact virtually. These platforms can use as supporting tools in transferring knowledge and discuss learning material (Wiranda & Adri, 2019). Using these new platforms demands the teachers and the students should learn more about how to do daring learning effectively and efficiently.

For Luddite teachers and students, this new condition and situation make them confused about how to follow this new way of teaching and learning process. In other words, the educators and the students have to out of the comfort zone. It is an uneasy job for the new user. Conventional learning to online learning will influence students in the understanding of the material indirectly (W. A. F. Dewi, 2020). Besides that, communication between teachers and parents is so necessary for achieving learning independently (Handayani et al.,

2020). So, in following daring studying, communication among teachers, students, parents are having a significant role in getting learning goals.

The teachers and the students face problems in following the new ways of online learning. Aji said that there are some problems in using technology internet that will hamper effective learning through daring studying. They are (Aji, 2020):

a. limited information and knowledge in using the technology

In Indonesia, the teacher's condition is some teachers still get difficulties in using technology. This situation is one of the problems that make the teacher is limited to using daring media in the teaching and learning process. The students are also in the same situation in mastering the use of technology as media daring in learning . In summary, the teachers and the students have limited information and understanding about the ways of using technology as daring media in the teaching process.

b. Inadequate Facilities and Infrastructure

Limited facilities and infrastructure is also being a problem in doing daring class (Aji, 2020). Doing an online study needs a smart phone, computer, or laptop to install some learning online or offline applications and also quota to access the learning material. These tools are not cheap. The teacher and the students need more effort to use it maximally.

c. limited internet accessed

In this country, not all educational institutions can enjoy the internet. Internet network still cannot cover daring media maximally (Aji, 2020). Particularly, the educators and the students in the corner of the country like in the district and sub-district. They cannot access the internet to access the daring material using some smart learning media daring because of limited internet access even though no internet access at their home.

d. Lack of money

Cost also be a problem in obstructing daring class. The teachers and the students need an internet quota to use online media but in reality, they cannot buy an internet quota to access online media every day (Aji, 2020). All things are considered, the family economy also contributes to making daring class run well, effectively, and efficiently.

Besides that, Bullen in Hartanto said that daring learning also has disadvantages, they are: the interaction among teachers to the students, the students to other students are lacking, teaching and learning process is more on exercise, not comprehension, limited internet accessed, limited cost, limited skill in using the internet, limited infrastructure and facilities (Hartanto, 2016). So, whatever the ways of learning, it never free from obstacles. Based on the explanation above, there are some problems in using daring learning, they are:

1. Limited knowledge about internet

The teacher and the students still do not have enough knowledge about using the internet especially using technology applications as a learning media because of this new thing for them.

2. Limited internet access

In our country, the internet is limited. Everyone cannot access the internet anytime and anywhere because there is no network.

3. Lacking of infrastructure and facilities

Daring learning needs some tools to support it like a good network, smartphone, and laptop, or computer, quota, and so on. But in reality, many teachers and students do have it.

4. Economic

Family economic will influence the process of daring learning. Online learning needs a quota to connect to the internet. For a family with limited economic, it is so difficult for them in buying quota internet for their children. Without quota, everyone cannot access the internet to do daring learning.

Daring class forces the teachers to be more creative to demonstrate the materials, giving unique tasks or assignments in getting the students interesting in following the class and submitting the task at the time. The daring class makes the teachers evaluate how effective their online class and that have to suitable with students' need (Handayani et al., 2020). The student's characteristics will influence the success of a model or learning media (W. A. F. Dewi, 2020). So, the teachers do not need to give many tasks to the students but distributing them several questions that help them to comprehend the material well without forcing them to do many tasks that make the students tired and bored in following the class and very late in submitting the assignment.

On the other sides, online learning gives new situations and conditions for the students in getting knowledge. Daring learning will give a good result when it is used maximally. Rohmah in Hartanto said that online learning gives some advantages to the users like shorter learning time and school fees are cheaper, the learning material is easier to access, the students can share information and access learning material anytime, knowledge development can be developed outside the classroom using technology internet and students are easy to be active in following teaching and learning process (Hartanto, 2016).

For the education field, online learning is giving many advantages. The advantages are the flexibility of time and place (in conventional class, the students have to attend the class based on the schedule but in daring class, the students can choose when and where they want to access the material), the students be independent learning, cost (the students can save their money. It means that the students do not need to pay transportation), the flexibility of learning time (the students can repeat the learning material anytime until getting understanding), faster in distributing material, task, quiz, can access anytime (Hartanto, 2016). Therefore, there are some advantages of online learning for education, teacher, and students, they are:

1. easy to communicate

The teacher and the students can discuss learning material anywhere and anytime without waiting for the subject scheduled to meet and ask the teacher. They can discuss everything related to the topic discussed to get a deep understanding.

2. easy to access

The teacher can distribute learning material, task, or project to the students using technology applications like WhatsApp group, google meet, or zoom. This

platform helps the students getting easy to access whatever the material, task, quiz, or projects from the teacher.

3. Flexible.

Utilizing application technology in daring learning is flexible. The teacher can distribute all things related to the learning topic freely without seeing place and time. Communication among teachers to students, students to students can happen anytime and anywhere.

3.3 Teacher As Agents Of Change

Education is so important in creating a good nation. Without science, the nation may not grow and develop well. Good education needs an agent of change that brings education in a good direction in achieving the national education goal. The agent of change in education is a teacher (Andrian, 2018). A teacher is so influential in improving the student quality and quantity in education or as an agent of change. Teacher as an agent of change has a special role in creating qualified graduation with their professionalism. Therefore, teachers' role in planning, performing, and evaluating has a big effect on their role as agents of change in education.

Teachers as agents of change have to bring good change to the students, event thought the change of cognitive, affective, and psychomotor aspects. A teacher is like a king who leads the citizen, teach much knowledge to the students, and give a good example of how to interact with older, parents, teenager, or young people. Bring good change to the students' behavior, learning result, how to interact in public (Andrian, 2018). On the whole, the teacher's role as an agent of change brings the students from a bad thing to a good thing by giving them the knowledge and be a good example for them.

Teacher as agents of change refers to a person who creating potential generation. But now, all worlds are attracting of coronavirus. Avoiding virus infection the government decides that all educational institutions have to close. This condition makes many differences in the teaching and learning process. Usually, the teacher teaches the students in the classroom face to face and the interaction among them directly. However, the teacher is still a teacher responsible to transfer knowledge and build students' characteristics. As a solution, the teacher as agents of change has to change the learning ways to be more meaningful learning (Andrian, 2018). Therefore, facing this event, the teacher should change the conventional learning process in the classroom to modern learning using technology media daring (internet) use some learning applications.

There are some learning applications that can be used by the teachers in the teaching and learning process in a covid-19 pandemic, they are:

1. Google Classroom

Google classroom is google application to help teacher, lecturer and students to organize and communicate to the students besides learning schedule at the school. Besides that, the teacher can use google classroom in doing online learning through multiplatform like computer and so forth. There are some fitures in google classroom like assignment, grading, communication, time-cost, archive, course, mobile application, and privacy that can be applied in delivering learning materials (Sabran & Sabara, 2004).

This application helps the lecturer and students doing teaching and learning process deeper because the lecturer and the students are able to submit and distribute task and evaluate the task at home or anywhere without limited time or learning schedule (Nirfayanti & Nurbaeti, 2019). Therefore, Google classroom is one daring applications that can be used by educators in delivering learning material, assignment, project, and also examination. This application helps the teachers to distribute quick and exact information to the students.

2. Whatsapp/whatsapps group

Whatsapp is one of the smartphone applications to receive and send a message without cost because it is used internet quota. User s are able to do online chat, share files, photos, audio, and so on (Sihombing & Sugianto, n.d.). besides that, Al Saleem in Jumi atmoko said that there is a WhatsApp group in WhatsApp messenger to create enjoy learning in discussing some learning topics to the teachers and classmates (Jumi atmoko, 2016). Aanal Modi in Jumi atmoko explains that WhatsApp messenger is able to increase learning collaboration, sharing knowledge and information that can be used in the learning process (Jumi atmoko, 2016), and it also can be used to defend enjoy learning all the time (Beldarrain, 2006). All in all, the WhatsApp group or WhatsApp application is able to support the teachers and the students in doing online learning particularly in sending and receiving video, audio, file, task, sharing information, asking, and answer questions anywhere and anytime.

3. Zoom

Zoom application is a cloud computing-based video conferencing service. The users can meet others virtually using video call, voice, or both of them in the same time and all conversations can be recorded. There are two terms in zoom application they are zoom meeting and zoom. This application has some features first, one-on-one meetings that use for meeting or video conference to one other user. Second, Group video conference that use for group video conference or more than one user. This service can support virtual meeting more than 500 users. Third, screen sharing that use for one-on-one conference or big group and also share screen to other members so they can see what we can see (Anduril, 2020). Therefore, this application can help the teachers and the students to meet in the different place to do learning activity.

4. Facebook

Facebook is a social networking service and website that launched on February 4th, 2004 and this application is so interested for the students because it is interesting, easy to use, and easy to access anywhere and anytime (Wulandari, 2018). Using Facebook as online learning media is influenced by students' skill in mastering the technology and high motivation (Riesyaputra et al., 2015). So, facebook is not only media sosial for chating and saying hello to others but it can be an online learning media for the teachers and the students.

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motivation (Riesyaputra et al., 2015). So, Facebook is not only media social for chatting and saying hello to others but it can be an online learning media for the teachers and the students.

5. Youtube

YouTube is the largest and most popular online video sharing media website on the internet. Currently, YouTube users are spread all over the world of all ages, from children to adults. The users can upload videos, search videos, watch videos, discuss/ask questions about videos, and simultaneously share video clips for free (Anggraini, n.d.). In summary, youtube is not only a media social but also can be a lore media in covid-9 pandemic for sharing or discuss the teaching and learning material using video.

Therefore, facing this changed needs more effort from all stakeholders. The stakeholders can do some tips below:

1. The governments have to distribute education estimates as soon as possible in helping the educators and the students in doing daring learning as long as the covid-19 pandemic.
2. The parents need to control and support their children in doing daring learning at home because, without control and support, our children cannot do it well.
3. The teachers need to improve their competence especially about applying some technology in teaching and learning process, arrange and create the learning material to be more interesting to get students to interest in daring learning. Do not give the students more tasks and projects but guide them to get a more joyful learning experience. So, it helps them to be easier in understanding the material.

4. CONCLUSION

Covid-19 pandemic gives many impacts to the education field and the teacher as an agent of change. All teaching and learning process done by using technology or online learning. Therefore, it needs teachers' competence in applying the technology in teaching process well. It needs teachers' skill in arranging interested material and also need more teachers' ability in explaining material in helping the students understand it is easily

Facing it, the stakeholders in education have to have more than one education planning and do not forget to socialize it to all headmasters and teachers. So, they know about it. For teachers, they must improve their ability relate to teaching and learning process especially about the way to do online learning using technology. Teachers can improve their capability by following workshop, coaching, seminar, KKG and so forth.

Besides that, all stakeholders have to help each other. The government makes online policies of teaching and learning. The teachers and the students implement the policies. The parents control and support their children in doing online studying. Like slogan Together is better than one.

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