

Innovation of Online Learning During the Covid-19 Pandemic in Students Majoring in Management, Faculty of Economics, Medan State University

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ABSTRACT

The Covid-19 pandemic has an impact on the world of education, including higher education. This corona virus inhibits teaching and learning activities that usually take place face-to-face requires lectures to be conducted online. Therefore, it requires innovation to create an effective learning process. The purpose of this study is to find out the picture of online learning innovation in the covid-19 pandemic in students of FE management department of Medan State University. The research subject is a student of the Department of Management of the Faculty of Economics, Medan State *University* class of 2020 which amounted to 226 students. Research data analysis is conducted using the Miles & Huberman analysis model which consists of three stages, namely data reduction, data display, and withdrawal and verification of conclusions. The results of the study are tool and infrastructure owned by the class of 2020 Management Department of the Faculty of Economics, Universitas Negeri Medan, in carrying out online learning is sufficient. Online learning can make students of the Class of 2020 Department of Management, Faculty of Economics, Medan State University learn more independently, creatively and technologically literate. The implementation of online learning as a whole effectively suppresses the spread of Covid-19 in the campus environment of Medan State University. Online learning innovations used in lectures are by case study methods, problem-based learning (problem base learning), project-based learning, Learning media used is e-Learning: Zoom, Google Meet; SIPDA: <https://elearning sipda unimed.ac.id>, Google Classroom, learning videos and other learning resources.

Keywords: *Innovation, Online Learning, Covid-19*

1. INTRODUCTION

In 2020 the whole world experienced an outbreak of pademi Covid 19. Covid 19 is a disease that is transmitted directly through droplets or saliva that results in multi-organ failure that can lead to death. To avoid the outbreak, the government establishes social distancing or in other words restricts the movement of its citizens, it is advisable not to leave the house. The determination of the government also has an impact on the learning process at the university, because with the provisions of social distancing makes the face-to-face learning process eliminated as an effort to avoid the transmission of the outbreak. The Ministry of Education and Culture issued circular No.4 year 2020 which contains the implementation of education policies from home using online technology or online learning.

Universitas Negeri Medan, especially the Faculty of Economics department of management immediately also responded to the circular by immediately establishing online learning to its students. Lecturers in the Department of Management are required to be able to utilize information technology such as Google Meet, Zoom, Edmodo, Whats Apps, and other social media. The online learning process in the Department of Management has been taking place from April 2020 until now in 2021. Online learning is still not an easy thing because of the many challenges faced, so the need for the Department of Management to make learning innovations to support online learning that leads to increasing the quality of management students.

In the online learning process, lecturers are required to be more creative to maintain the rhythm of learning, because the process depends on network

connectivity, which can suddenly turn off, so that the teaching process is cut off. Efforts or money, that is not small also makes online learning a challenge, because not evenly students have supporting tools such as mobile phones or computers that can connect with learning networks, thus making some students unable to follow learning or do lecture assignments given by lecturers. Another challenge for lecturers in online learning is in the face of students who cannot be monitored for their movements or responses, whether the student is correctly listening to the material we convey, or even just considering lecturers like broken tapes that sound without needing to be heard because they turn off the video camera of his laptop computer or his mobile phone camera.

In the online learning process conducted by lecturers with students, online activities make students become more independent and creative, and technologically literate. Students become conditioned in relation to social media, learn new features in the delivery of presentations, students can do things multi tasking, at one time doing several things at the same time. Online learning or e-learning allows students to access learning materials at any time, facilitate student communitization and increase student independence in learning.

2. LITERATURE REVIEW

2.2. Online Learning Innovation

Innovation is an improvement that can be in the form of ideas, objects, products, works and others by developing or combining existing things to look new. While the learning process is an activity carried out by educators and learners or individuals and groups in learning. Learning innovation is a learning activity carried out by educators and learners or individuals and groups in new or innovative ways in the learning process.

According to [1] learning innovation is a renewal of existing learning then packaged on the encouragement of new ideas that are the product of learning how to learn to perform learning steps, so as to obtain progress in learning outcomes.

Innovation is inseparable from the development of information technology that has a major influence on changes in every field. One of them is a change in the field of education. Technology can be utilized in learning innovation, which can be said to be a change from conventional to modern. According to [2] mentions that some studies show that the

existence of technology has a lot of positive influences on learning. The Internet has been combined into a tool used to complement learning activities. Online learning is a learning system that is done by not face to face, but using a platform that can help the teaching and learning process that is done even though it is remote. The goal of online learning is to provide quality learning services in a network that is massive and open to reach learning space enthusiasts for more and more breadth [4].

2.2.1. Various Online Learning Applications

There are several applications that can also help teaching and learning activities, such as whatsapp, zoom, web blog, edmodo and others. The government also took a role in addressing the inequality of learning activities during the Covid 19 pandemic. Launching the official page of the Ministry of Education, there are 12 platforms or applications that can be accessed by students to study at home, namely (1) home learning; (2) Our table; (3) Icando; (4) IndonesiAx; (5) Google for education; (6) Smart class; (7) Microsoft office 365; (8) Quipper school (9) Teacher's room; (10) Your school; (11) Zenius; (12) Cisco webex [4].

2.2.2. Online Learning Challenges

The challenge of online learning is one of them is expertise in the use of technology from educators and learners. According to [5] mentions that the characteristics of learners in online or online learning activities are:

- a) Learning spirit: student spirit during the learning process is strong or high for self-learning. When online learning the criteria for completion of material understanding in defense are determined by the student himself. Knowledge will be found alone and students must be independent. So that the independence of learning of each student makes the difference of learning success different.
- b) Literacy to technology: in addition to independence from learning activities, the level of understanding of students towards the use of technology. When online learning is one of the successes of online learning. Before online learning students must master the technology to be used. Tools commonly used as a means of online learning are computers, smartphones, and laptops. The development of technology in era 4.0 creates a lot of applications or features that are used as a means of online learning.
- c) Interpersonal communication skills: In these characteristics students must master

communication skills and interpersonal skills as one of the conditions for success in online learning. Interpersonal skills are needed to establish relationships and interactions between other students. As a social creature, it still requires interaction with others even though online learning is carried out independently. Therefore, interpersonal skills and communication skills must still be trained in community life.

- d) Collaborate: understand and use interaction and collaboration learning. Students must be able to interact between other students or with lecturers in a forum that has been provided, because in online learning that is carried out is the student itself. Such interactions are necessary especially when students have difficulty understanding the material. In addition to this, interaction also needs to be maintained in order to train their social soul. So that the soul of individualism and anti-socialism is not formed in the student. With online learning, students are also able to understand learning with collaboration. Students will also be trained to collaborate either with the surrounding environment or with various systems that support online learning.
- e) Skills for self-study: one of the characteristics of online learning is the ability to learn independently. Learning that is done independently is very necessary in online learning. Because during the learning process, the learner will search, find up to the conclusion of himself that he has learned. "Self-learning is the process by which students are directly involved in identifying what needs to be learned to be the holder of control in the learning process". When learning independently, it takes motivation as a support for the success of the online learning process.

3. RESEARCH METHODS

The type of research used is qualitative research, which is research based on the philosophy of post-positivism where truth in accordance with the nature of the object, used to examine the natural condition of the object, where the researcher as a key instrument and the results of the study emphasize meaning more than generalization. The location of this research was carried out at the Department of Management of the Faculty of Economics, Medan State University Jl. Willem Iskandar Psr. V Medan Estates. The research subject is a student of the Department of Management, Faculty of Economics,

Universitas Negeri Medan, class of 2020 which amount to 126 people and who have implemented online learning. Data collection is done through google form. The aspects asked in google form are: (1) Facilities and infrastructure owned by students to implemented online learning; (2) Student response to the effectiveness of online learning; (3) Implementation of online learning in breaking the chain of spread of Covid-19; (4) Innovation in online learning. Research data analysis is carried out using an analysis model [7] consisting of three stages, namely data reduction, data display, and withdrawal and verification of conclusions.

4. RESULTS OF RESEARCH AND DISCUSSION

4.1. Facilities and Infrastructure for Online Learning

The understanding of means is everything that is used as a tool to achieve meaning and purpose, while understanding of infrastructure is everything that is the main support for the implementation of a process. [8] Facilities and infrastructure owned by students for online learning include smartphones (HP), laptops or computers and Internet networks. In the time of the covid-19 pandemic as it is today internet facilities are an obligation that must exist. The results of the survey using google form are known that for internet network facilities there are smooth as many as 98 people and there are but not smooth as many as 28 people. Some students of fe unimed management department of 2020 access the internet using cellular services, and a small percentage use WiFi service. It can be seen that most students do not experience obstacles in terms of internet access. This is in line with the statement that internet use in Indonesia is very high, because it is driven by cheap internet tariffs, and the number of smartphone users reaches 167 million people or 89% of the total population of Indonesia. The results of the survey also found that 122 people have a smartphone, laptop or computer and 4 people who only have a smartphone. This is in accordance with research [10] stated that students already have the basic facilities needed to follow online learning. According to research [11] which states that the use of smartphones and laptops or computers in online learning can improve learners' learning outcomes. While [12] stated that many advantages of the use of information and communication technology in the implementation of online learning include not being bound by space and time.

4.2. Effectiveness of Online Learning

During the Covid-19 pandemic, learning is no longer done face-to-face. Many learnings are turning to using virtual technology to overcome distance barriers and prohibitions on crowding. Online learning applications used in FE Unimed management departments include Zoom, Google Meet; SIPDA, *Google Classroom*. Overall, students are satisfied with flexible learning. With online learning, students are not constrained by the time and place where they can attend lectures from their homes or from anywhere. In the real of online learning, lecturers give lectures through virtual classes that can be accessed anywhere and whenever not bound by space and time. This condition allows students to freely choose which courses are attended and which tasks must be done first. This can be seen from the results of the survey that all students of FE Unimed management department class of 2020 about 126 students always follow online learning, for understanding of lecture materials there are 99 students can understand the material delivered by lecturers and 28 students cannot understand. This is in answer with research [11] online learning has flexibility in its implementation and is able to encourage the emergence of learning independence and motivation to be more active in learning. While according to [13] that flexibility of time, learning methods, and places in online learning has an effect on student satisfaction with learning.

4.3. Breaking the Chain of Spread of Covid-19

To anticipate the spread of coronavirus (Covid-19). Unimed has issued a circular of the Rector containing important points as concrete steps of prevention internally. The circular letter is addressed to all communities and their ranks, the circular, contains a number of provisions, such as the transfer of teaching and learning activities into an online system and assignments. Lectures in the form of online or e-learning and delaying activities that gather a lot of mass on campus, are active steps for the prevention of coronavirus (Covid-19) in unimed environment. The readiness of lecturers of all facilities so that lectures in online form can run effectively and will not reduce the effectiveness of the lecture process, and this process remains in accordance with the achievements of each course. According to [14] doing social distancing as a good solution to prevent the spread of coronavirus (Covid-19). This is also in accordance with the results of the study [11] stating that distance learning encourages

the emergence of social distancing behavior and minimizes the emergence of student crowds so that it is considered to reduce the potential spread of the corona virus (Covid-19) in the college environment.

4.4. Innovation in Online Learning

Online learning innovation is innovative learning needs to be done in order to produce better learning output than before, in addition to the challenges and developments of science and technology want a renewal in learning. In the renewal of learning required a renewal agent where lecturers have a large role in the renewal. In order for innovative learning, innovative and creative lecturers are needed first. With the creativity possessed by lecturers, innovation can be generated by him. The survey results showed online learning innovations used in lectures in the Department of Management FE Unimed, namely with case study methods, problem-based learning (problem base learning), project base learning, Learning media used is e-Learning: Zoom, Google Meet; SIPDA: <https://elearning.sipda.unimed.ac.id>, Google Classroom, the use of learning videos and other learning resources. This is in line with the results of the study [15] stated that government policies in tackling the spread of coronavirus (Covid-19) have an impact on the emergence of new concepts related to learning innovations that can be applied. Learning innovations include Learning from Home: Collaboration between schools and parents, learning as an opportunity as well as a challenge, and innovation of Blended Learning learning model. Hopefully, these innovations can provide optimal results and can improve the cooperation between parents, teachers, and government in order to realize quality education and are able to compete globally. Innovation technology-based learning is expected to not only take place in the pandemic Covid-19, but can be applied after Covid-19 ends for the education of more advanced and quality.

5. CONCLUSION

The facilities and infrastructure owned by students was Force 2020 Department of Management, Faculty of Economics, Universitas Negeri Medan in carrying out online learning is sufficient. Online learning can make students of the Class of 2020 Department of Management, Faculty of Economics, Medan State University learn more independently, creatively and technologically literate. The implementation of online learning as a whole is effective in suppressing the spread of

Covid-19 in the campus environment of Universitas Negeri Medan. Online learning innovations used in lectures are by case study methods, problem-based learning (*problem base learning*), *project-based learning*, Learning media used is e-Learning: Zoom, Google Meet; SIPDA: <https://elearning.sipda.unimed.ac.id>, Google Classroom, use of learning videos and other learning resources.

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