ONLINE LEARNING STRATEGIES IN UNIVERSITIES DURING THE COVID-19 PANDEMIC (Case study of the University of Muhammadiyah Tangerang)

Indah Kusumawati

University of Muhammadiyah Tangerang
Tangerang City, Indonesia
ikusumawati74@gmail.com

Abstract

In the Covid-19 pandemic, where all lines of human life were affected, we need to think of learning processes and strategies that can reduce face-to-face, where in this process we use online systems because they are more flexible and efficient in meeting learning needs, in related online models, utilization media, learning styles, and types of communication used by students, out of 150 students who were used as research samples from the Faculty of Economics at the Muhammadiyah University of Tangerang in the COVID-19 pandemic, the result was that 70% of the students of the Faculty of Economics at Muhammadiyah University in Tangerang were familiar with various patterns the learning. Students most like the learning system through WhatsApp and Google Classroom, in addition it needs further research to research on this online problem-based, collaborative, and other models.

Keywords: *learning strategies, online learning, COVID-19 pandemic*

INTRODUCTION

Every year is always a scourge of problems and constraints in improving the quality of higher education in Indonesia, namely the problem of procurement, placement, appointment and coaching of educators. In addition to these four problems, not only the problem of the ratio of lecturers to students, but also there are problems in the form of level of guidance, the level of quality of professional expertise, and the level of welfare of educators in each year (Ariwibowo and Djuhartono, 2018).

During the Covid-19 pandemic, all educational institutions used an online system, namely learning in a network process, which meant that the learning did not use face-to-face, but instead used an online learning system that replaced the face-to-face system so far, this online learning method did not require students to present in class but access enough through internet learning, according to Lashey (2014) the use of available technology around us when balanced with discussion forums, and mixed media or bland learning becomes one of the learning media that is quite effective and efficient, through online methods of students can access lecture material through WhatsApp groups, e-mail, Google Classroom so they can have free time to study, on the sidelines of a pandemic outbreak.

Online lectures are considered one of the right solutions, the government makes an appeal to learn from home (Fajrian, 2020), it aims to break the chain of virus spread and maintain the security and safety of all campus residents, for learning from this house requires technology, and media adequate internet to be able to access lecture material, this online system is beneficial for both lecturers and students (Singh, Donoghue, 7 Worton, 2005) with the presence of this online process can provide more

opportunities to be able to use time properly and can use progress to improve performance and professionalism effectively and efficiently.

Relationship between the presence of students in class and their satisfaction in teaching and learning in higher education is an important aspect in higher education institutions, a supportive learning environment is one of the things that must be considered by educators so that students can achieve success in learning, this shows that the learning environment in accordance with the character and interests of students will generate enthusiasm and be a motivation for learning that is strong enough to encourage enthusiasm for learning (S. Alam & L. Jacson, 2013).

According to Saifudin (2016), online or online lectures is a form of internet utilization that can increase the role of students in the learning process, increase enthusiasm for learning

(Nugroho, 2012) Perception is a process of interpreting the stimulus received by the five senses into increase, which then moves students to think, to motivate themselves to achieve learning goals, the ability is known as Self regulate learning, or self-regular online learning in online lectures (Zimmerman & Martinez-Pons, 1988).

Self-regular (SRI) refers to the control and control of students towards their goals, how to obtain information, and self-development by knowing, monitoring and directing it (Zimmerman, 2000, p13-39) SRL cannot be done if an individual does not know himself well and does not can understand what he wants.

To be successful in online learning, students are expected to have a disciplined attitude, enthusiasm, and consistency in learning so as not to be late in collecting their college assignments and to be able to follow lectures well, discipline, regularity, and concentration are the keys to success in learning.

Online learning, which is a system online learning, this method is very effective in increasing class efficiency and allowing increased discussion or review of information outside the classroom. Online learning is not a new thing in the world of education today, before the Covid-19 pandemic we were actually introduced to blended learning, in other words online learning provides a good opportunity to transition to previous e-learning, what is online learning? according to the understanding online learning system, this method is very effective for increasing class efficiency and allowing increased discussion or review of information outside the classroom.

The outbreak of the COVID-19 virus has accelerated the practice of distance learning in Indonesia, due to social restrictions, students are required to study from home by utilizing the e-learning system, so that students are accustomed to using technology for their daily learning. Although the practice of e-learning has become a habit for students every day, the world of education has agreed to make blended learning a learning system after the spread of the virus has reduced, here combining a face-to-face school approach with blended learning technology into a method of continuing education for school institutions.

The benefits of online learning in the world of education, it is necessary to underline that the online learning method is very effective for the world of education, first, students who have limited funds and time can still participate in the teaching and learning process in accordance with the educational curriculum, for example by dividing class hours students are more flexible to take part time or other classes, with the help of the internet and smartphones the distance learning process can be carried out properly and flexibly, online learning does not prevent students from interacting face-to-face in their classes.

Both online learning and e-learning make the teaching and learning process at educational institutions effective and modern, schools that have problems with lecturer capacity and rooms can continue to carry out the teaching and learning process at their respective educational institutions with the help of a learning management system (LMS), on the other hand. Online learning while accelerating school accreditation and increasing the number of students with a comfortable education system that meets the educational needs of all people.

Digital technology brings learning effectiveness, ideally institutions find a very effective and efficient solution to unite several elements in one learning platform, namely with the YouTube approach this solution highlights the ability to create, organize and manage courses including distribution of learning content to all students, this solution also to measure ROI (Return On Investment) in informal learning.

Learning management system is a learning system through an e-learning system and makes learning more efficient and effective it can be done anywhere, anytime and is not tied to the situation and place of learning so that various facilities and media can be used such as zoom, google meet, google class and so This is also a place where teachers and students can interact through electronic media and create some animation programs to make learning more interesting.

The ongoing pandemic forces students to adapt to current conditions, government regulations that prohibit face-to-face learning have made students turn to online learning as a solution to keep getting knowledge while at home.

Literally online learning is a learning activity carried out using an internet connection, with filtered learning students are expected to gain the same knowledge as face-to-face learning, but more relaxed because teaching and learning activities are carried out at home.

There are several benefits of learning that can be felt, namely: learning is more relaxed because learning activities take place at home so that students and teachers are more comfortable during the learning process.

Learning time is more flexible, this is one of the advantages of courageous learning compared to face-to-face learning, with a bold system that allows students to manage their own study time so that they do not interfere with other activities, if the student is working.

It's easier to learn learning, because the learning system is fully digital and digital books, with learning materials that have been digitized, students don't need to experience difficulties such as seeing writing in front of the class screen, with a brave system they can read modules and see more learning videos. Clear,

Based on the description of the benefits above, online learning is the right solution to keep getting knowledge during the pandemic, although sometimes during the learning process in real time the uneven internet connection becomes an obstacle, but students still have alternative learning through WhatsApp, module books, photocopies or media so that learning can be carried out from their respective homes.

METHOD

Descriptive analysis used in this study uses the online media approach used by students viewed from the point of view of students who use these media such as the type of communication, learning styles, media used for students' successful learning. The data was obtained from a questionnaire that was distributed to students for two weeks after the online lecture process at the Faculty of Economics, Muhammadiyah Tangerang, this sampling data collection uses the non-probability sampling method using a convenience sampling approach, the number of members of the population of 150 students the questionnaire was distributed online when learning activities held.

RESULT AND DISCUSSION

Based on the questionnaire data obtained knowledge information about online lectures that as many as 70% of students stated that they use the Whatsapp application as a learning medium, the whatsapp feature is considered to facilitate students in the process of communicating and transferring

material, can send teaching materials in the form of soft copy and video and facilitate interaction between lecturers and students and saves more data quota compared to meeting zoom, which drains student credit data, there are some students who prefer google room around 15%, there are also 15% others use Zoom and video conferences Stating that they use Google Meet, email, Edmodo, and SMS features from their respective smart phones

Table 1. Applications Most Often Used In Teaching-Learning Activities

WHATSAPP	GOOGLE CLASSROOM	ZOOM	GOOGLE MEET	E-MAIL	EDMODO
70 %	10 %	5 %	2 %	1 %	1 %

Source: Primary Data that has been processed by researchers (2020)

The learning media used at the Faculty of Economics, Muhammadiyah University, Tangerang is based on understanding lectures through the online system

**Table 2. Number of Users Willing Online Learning
(Student)**

	Management Department	Accounting Department	Diploma Accounting Department	Total
Do not understand	10	5	5	25
Understand	75	25	25	125

Source: Primary Data that has been processed by researchers (2020)

Online learning conducted by FEB UMT during the COVID-19 pandemic period was greatly facilitated by the wide choice of learning media, this learning media was determined by the agreement of lecturers with students, this communication system was divided into one-way, semi-two-way communication systems, two-way communication systems, systems Two-way communication through the chat room media is preferred by students because it can communicate directly with the instructors this can be seen with the table below.

Table 3. Types of Communication in Online Learning

One way	Semi bidirectional	Two-way direction	total
10 %	15 %	75 %	100 %

Source: Primary Data that has been processed by researchers (2020)

In addition to the type of communication, learning styles, as well as learning media, in the Learning model, there are three types of learning styles namely: visual, auditory, and kinesthetic. This variety of learning styles can affect student achievement as revealed by (Eudoxie, 2011), based on the results obtained that 75% of students prefer lectures with such material in visual form such as soft copy

of pdf files, reference books, power points, writing, photos, about the lecture material, this is as stated in the theory (psycharis, Botsari, & Chatzariskis, 2014) in addition to visual material, 25% of students also like learning media through video tutorials. Video tutorials, audio recordings, and video conferences that explain the contents of the lecture material to facilitate students in learning, such learning styles are known as auditory terms as stated in the theory (Rhouma, 2016) the tendency of students as shown in the table below .

Table 4. Strategic learning for the online daring

Soft copy	Audio Recording	Posts/photos	Video	Video Conference	Total
5 %	10 %	5 %	3 %	2%	100 %

Source: Primary Data that has been processed by researchers (2020)

From the results of the calculations in table 4, there are results that learning through the provision of photocopies of learning modules is preferred by students and the presence of learning videos also makes students more interested in attending lectures, from the results of statistical calculations, 75% of students like photocopy learning modules. and 10% liked the learning audio or video recording.

CONCLUSIONS

From the results of data processing in this study it was found that of the 150 students who were used as respondents in the study of the Faculty of Economics at the University of Muhammadiyah Tangerang included in the category of millennial groups based on their age, they were more comfortable using the learning method by WhatsApp or google classroom used in this online learning model, in fact the students have understood all of the application systems due to the COVID-19 pandemic they must be able to apply the learning method that had been face to face turned into a learning system by online.

By knowing this online learning strategy, it is hoped that students will be more focused, effective and efficient in managing the available time so that they are not late in collecting their college assignments, starting to change the way of learning that was conventional with face-to-face switching to technology and internet media, for results that more perfect further research is needed using a more complex, problem-based, collaborative model

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