

ADVANTAGES AND DISADVANTAGES OF E- LEARNING LECTURES IN PANDEMIC COVID 19 ERA (a case study in UBP Karawang)

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Abstract

Online lectures are lectures through communication media such as E- learning app, Zoom, google meet, classrooms and others. Online lectures are usually used by lecturers to interact or discuss with students because there are problems that prevent lecturers from meeting directly with students in class. As fact, namely the pandemic Covid-19 outbreak which makes universities conduct online lectures, on the other hand, UBP Karawang has already made online learning app called Buana Online Course (BOC), since online classes have advantages and disadvantages, where lecturers can interact directly with students in class, at home or anywhere with no boundaries. Finally this research come up to engage lecturer and student feedback after more than 1 year education in Indonesia has set up E- learning dominantly in teaching- learning activities. Especially the use of E-learning application in UBP Karawang.

Keywords: advantages and disadvantages of E- learning, Buana Online Course, Covid 19

INTRODUCTION

Minister of Education and Culture (Mendikbud), Nadiem Makarim supports the Regional Government (Pemda) policy to close schools. This follows the increasingly worrying spread of the Corona virus (Covid-19). In addition, he also appreciated the private sector's steps in implementing the same policy. "The Ministry of Education and Culture is ready with all scenarios, including the implementation of working together to encourage online learning for students," said Nadiem as quoted by Antara, Sunday (15/3/20). The government, which imposes social distancing or social restrictions, makes a number of activities restricted. Starting from the closure of tourist attractions, restrictions on the use of public facilities, to teaching and learning activities.

Various colleges and schools have started implementing an online learning system. Like E-

Learning, Google Classroom, Edmodo and so on. The system is considered appropriate because students do not need to worry about missing material. Padjajaran University (Unpad), Bandung Institute of Technology (ITB) and several universities in Bandung have also implemented a similar policy. This step was taken as a follow-up to preparedness to face the Covid-19 pandemic.

In a learning process, students can carry out the process learning independently or collaboratively. In context online learning based on collaborative learning methods, the use of communication facilities is needed to support interaction between participants in the learning process. The first research was carried out with how to test hypotheses on several aspects including: analysis of perceptions of learners, recognize the strengths and weaknesses of the application of e-Learning, a significant difference in review of the final achievement or achievement learners, and suggested methods to be applied in e-Learning. From the results of these studies it is concluded that e-Learning and development is still very much needed and developed for enrich learning methods (Elango et al., 2008)

The second research with the research title "Web-Based Assignment Application". In this study, there are several facilities to be able to follow the assignment online and offline, consultations, articles and agendas. Discussion about online and offline assignments on research can be broken down as the following: for online assignments the question form is multiple choice and essay, presentation questions in the form of multiple choice are presented one question each and randomly given a time limit to answer each question that is not can be arranged by the lecturer, while for offline assignments the form of questions is in the form The files can then be downloaded by the student who takes the eye lectures that are taught by the lecturer concerned and there is no deadline collection of his duties (Sinangnjaya, P. 2009). The Research Problem in this research, the writer tried to sum up the research problem: 1 What are the advantages and disadvantages that occur in online lectures at UBP Karawang 2. Are online lectures effective in the pandemic era situation. The aim of the research are: 1. To find out the advantages and disadvantages of E-learning in UBP Karawang. 2. To find out whether E- Learning are effective in teaching-Learning activities in UBP Karawang

RESEARCH METHODOLOGY

Based on the categories of the research, a survey research is generally carried out to take a generalization from observations that are not too deep. Although unlike the experimental method

which requires a control group, generalizations in the survey research conducted can be more accurate when used on a representative sample (representative).

According to several expert opinions that have been stated, it can be concluded that survey research is a quantitative research method used to obtain data that occurred in the past or present, regarding beliefs, opinions, characteristics, behavior, variable relationships and to test several hypotheses about variables. Sociological and psychological from samples drawn from certain populations, data collection techniques by observation (interviews or questionnaires) and research results tend to be generalized. (hatch & farhady, 2002)

Object of the research

The writer conduct the students of UBP karawang especially the year of 2020, the second semester in this 2021 as the object of the research.

Population

The population are 8000 students of UBP karawang students. Based on the notation formula for the minimum research sample size by Slovin. Example if we have 8,000 people in a population, we can determine the minimum sample to be studied. The margin of error specified is 5% or 0.05.

The calculation is: $n = N / (1 + (N \times e^2))$

Thus, $n = 8000 / (1 + (8000 \times 0,05^2))$

$n = 8000 / (1 + (8000 \times 0,0025))$

$n = 8000 / (1 + 20)$

$n = 8000 / 21$

$n = 380.9 \sim 381$ students.

Sample

Due to several conditions such as access to information by students during the pandemic, the above calculations were adjusted in the research process, so that there was a change in the number of student representatives to 10% of the total number of students. So that when in the research process, the sampling used is representative sampling, using data from 80 students.

Data Collection

The data collection technique in this research is by doing a survey. The writer used a likert scale as the points. Likert scale has 5 points. A type of psychometric response **scale** in which responders

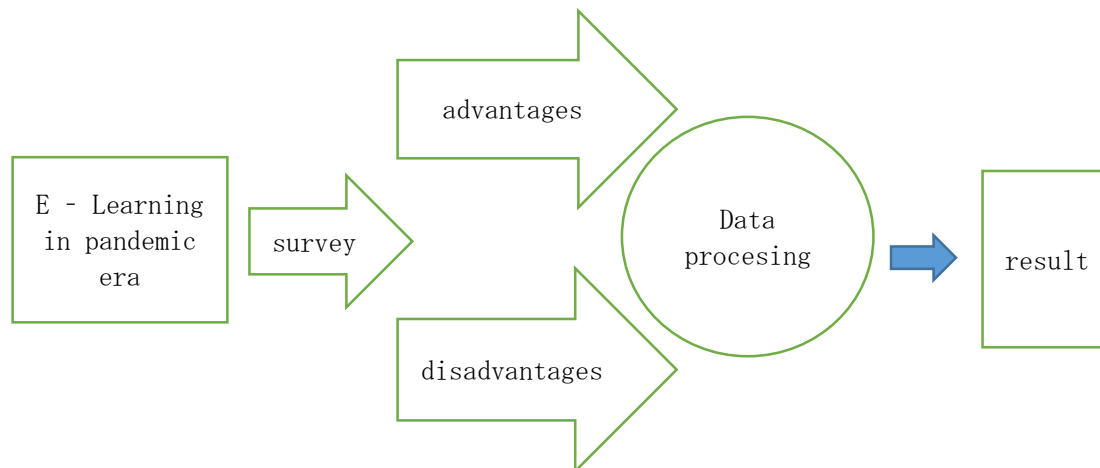
specify their level of agreement to a statement typically **in five points**: (1) Strongly disagree; (2) Disagree; (3) Neutral; (4) Agree; (5) Strongly agree.

Data Analysis

In conducting the research, the writer analyze the data by using SPSS, 20 application. In order to gain and to find out the information , the writer used interview and Questionaire

Frame work

In a learning process, lecturers and students can carry out the process learning independently or collaboratively. In this case, the writer tries to elaborate the frame work of advantages and disadvantages of E- learning in pandemic era.



RESULT AND DISCUSSION

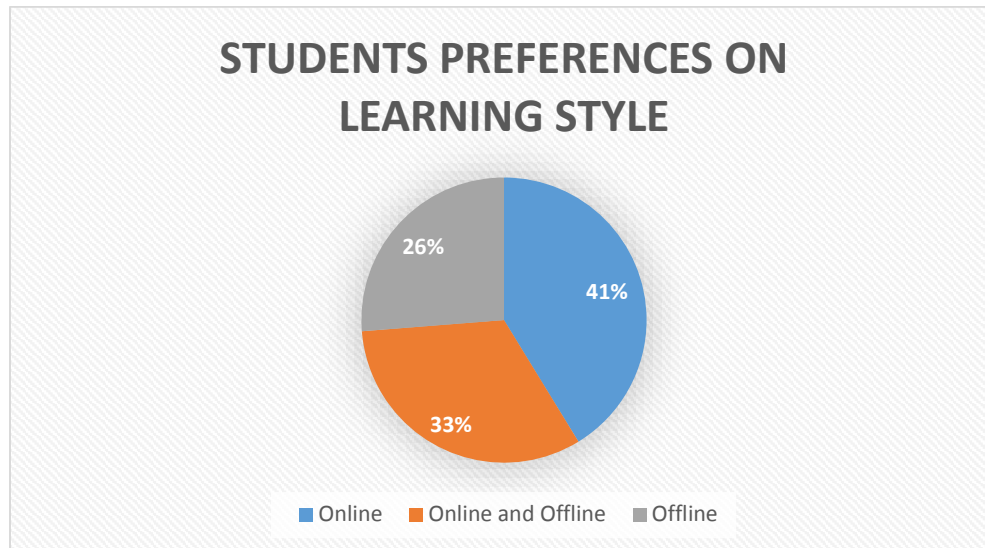
Advantages and disadvantages of E- learning in UBP Karawang

E-learning is a learning process by utilizing web or internet technology that can be accessed by students without having to meet face to face in the classroom. The concept of E-Learning-based learning is not something new in the world of education, but has been discovered and started since the 1990s in developed countries, with different terms but still have the same meaning, including: on-line learning, virtual learning, internet-enabled learning, web-based learning, distance learning, and so on. These terms refer to internet-based distance learning systems.

E-Learning-based learning is like a currency that has two sides, namely the benefits side and the problem side. To support E-Learning-based learning, there are at least three main components that need to be prepared:

1. Availability of devices (laptops or smartphones) that have good enough performance
2. third party application to support the course

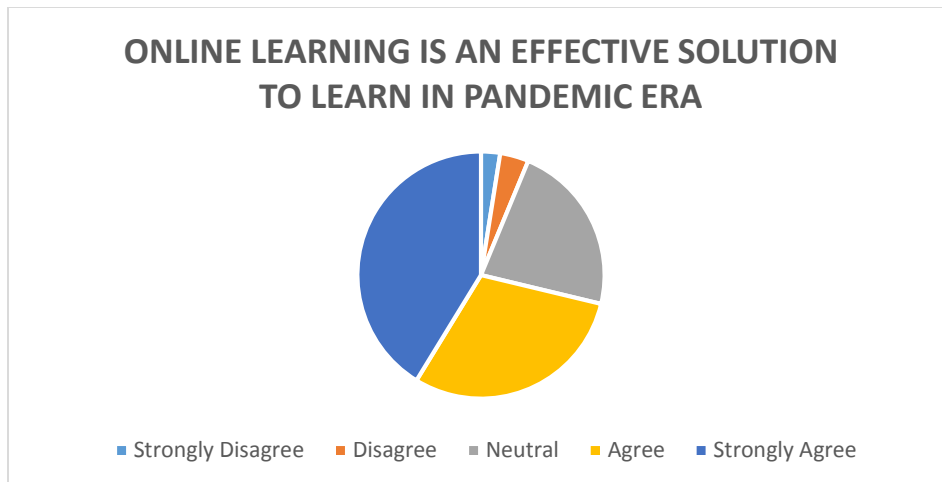
Advantages of Online Learning



Picture 1 Students Preferences on learning style

As many as 33% of UBP Karawang students agreed that they both prefer online / off line learning by using the Buana Online Course, and another 41% agreed to have online. As far as I concerned as a researcher of many educational topic, some of the obstacles students face in learning process using offline-based learning are boredom and tired of listening to the materials. However, as many as 26% stated that they agreed to have offline learning, because they think they can socialize better than on online-based learning.

Based on the data, online-based learning is more attractive to students than offline-based learning. This should be a concern, because in learning both online and offline, the important element in learning is the attention of students and their grasp of the material presented by the lecturer. They may be comfortable with online learning because they can follow the learning process anywhere, but it is questionable to what extent they understand the material, and how they deal with the various problems they face during online learning.



Picture 2 Online Learning is an effective Solution to Learn in Pandemic Era

Let's see how online-based learning is quite accepted by students as a learning tool. As many as 35% of UBP Karawang students agreed that the lecture materials were easily accessible by using the Buana Online Course, and another 40% strongly agreed. However, as many as 18% stated that they agreed and disagreed on this matter, while as many as 2% of students said they did not agree and 7% said they strongly disagreed, and 2% disagreed. Online learning media is an important thing that can be relied on during learning. The concern is how to create "an imaginary classroom" so that students can enjoy the online learning process because they can adjust the place to study independently at home, in a serious but comfortable way. Second, simply so that they "do not need" to come to campus.

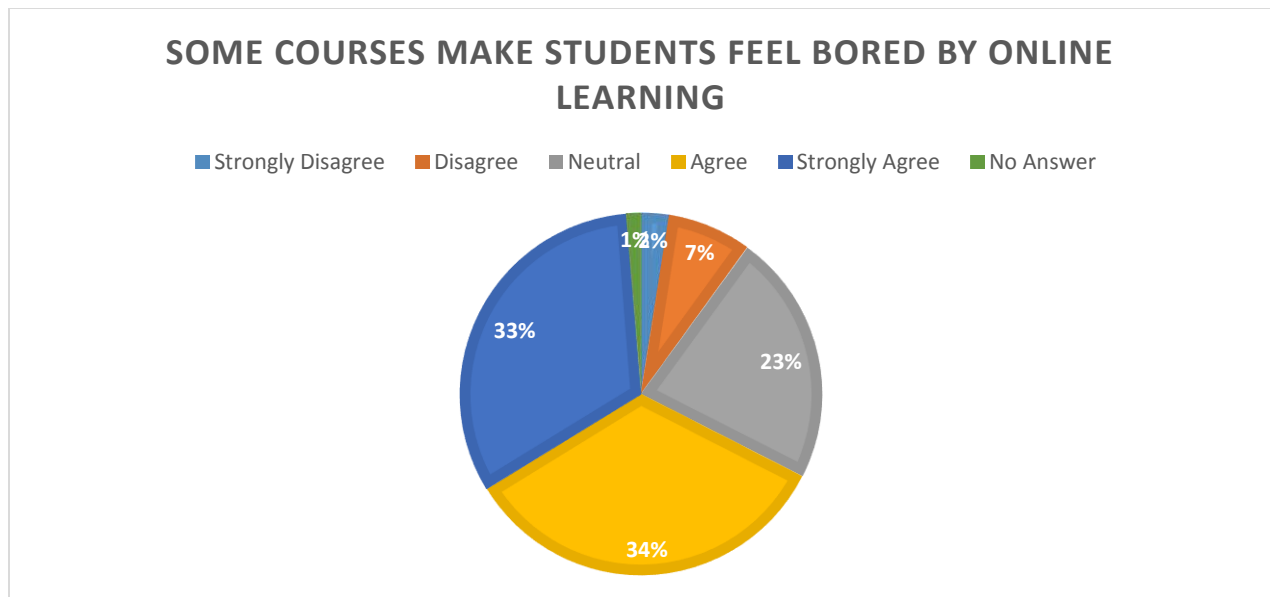
Some of the benefits obtained from E-Learning-based learning, namely:

1. Flexible. E-Learning learning is not fixed on a place or location where students can learn from the teacher, as long as the three components mentioned above are available.
2. Learn independently. E-Learning-based learning supports a student-centre-based learning environment or student active learner. Thus, students can learn maximally independently through various information media under the guidance of teachers or lecturers. This means, the concept of E-Learning-based learning opens students' horizons to explore more information needed than just learning from books provided by schools or campuses.
3. Cost Efficiency. E-Learning learning is considered to be more expensive, especially in the accommodation costs of students traveling to school or to campus. However, this still needs to be reviewed, because it relates to the distance traveled by students or students to school or campus.

Disadvantages of Online Learning

The expected results in the learning process are not balanced

The learning process that is not in harmony with the expected results makes some courses feel boring for students. This is because the goal of achieving basic competence with the E-Learning method that is run does not meet the point. In addition, the space for reciprocity between lecturers and students feels narrow. This is due to the different strengths of the internet network in each region, the limited duration of time provided by third parties, and the lack of intrapersonal communication between students and lecturers. This statement is supported by the following research results:

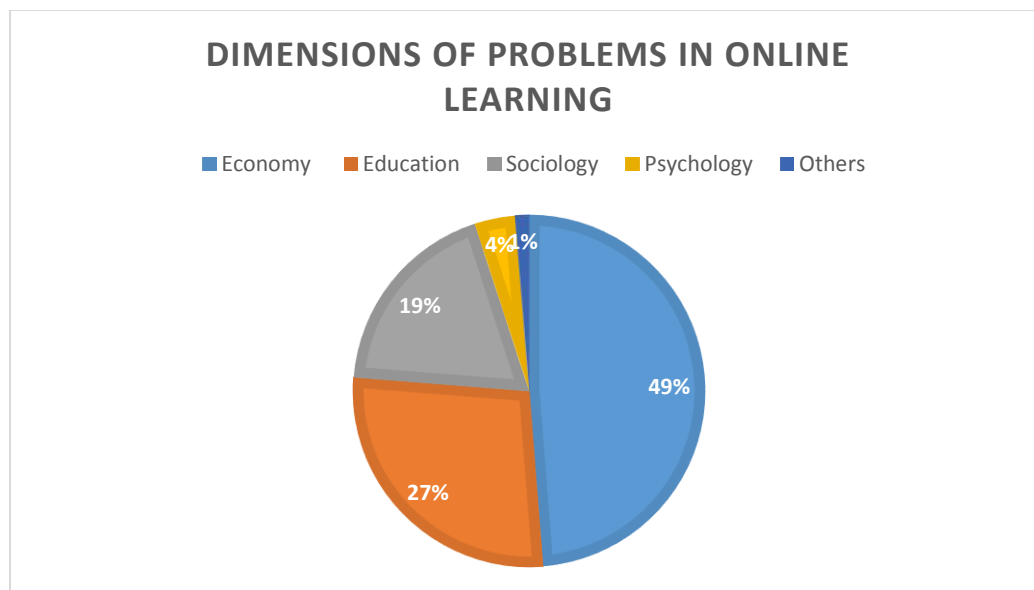


Picture 3 disadvantages of E learning

Several other obstacles experienced by both students and lecturers lie in economic, educational, sociological, and psychological aspects. In the economic dimension, the problems lie in: 1) the availability of internet networks that use quotas or wifi; 2) availability of primary devices to access online learning such as smartphones and laptops that have good performance; 3) the availability of supporting electricity, because in the event of a blackout, the teaching and learning process will be hampered. In the education aspect, the problem in E-Learning lies in the teaching and learning process, namely the methods, instruments and teaching materials that need to be improvised.

In addition, problems occur in the sociological dimension related to the need to meet and gather and socialize with colleagues or lecturers making E-Learning-based learning less favorable for some students. As humans are created as social beings, the existence of E-Learning makes some students feel isolated, both from the learning environment and with their families, because most of their time is spent studying and doing assignments in the room.

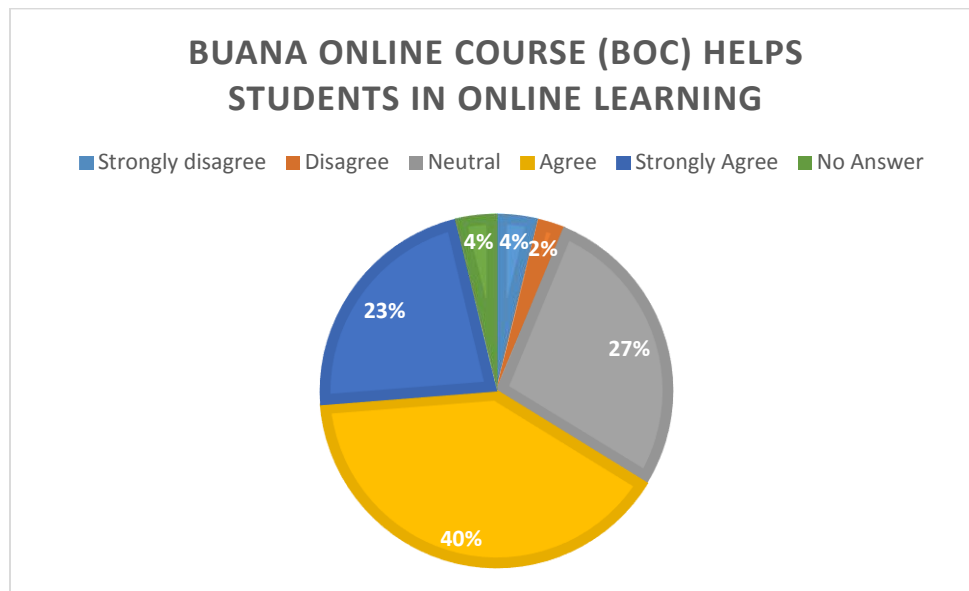
On the psychological dimension, E-Learning-based learning raises new problems experienced by students and lecturers, namely the occurrence of problems in mental health. Students are prone to experiencing symptoms of depression due to feeling alienated and pressured from too many course assignments. This is supported by the following research results:



Picture 4 Dimension of problems in online learning

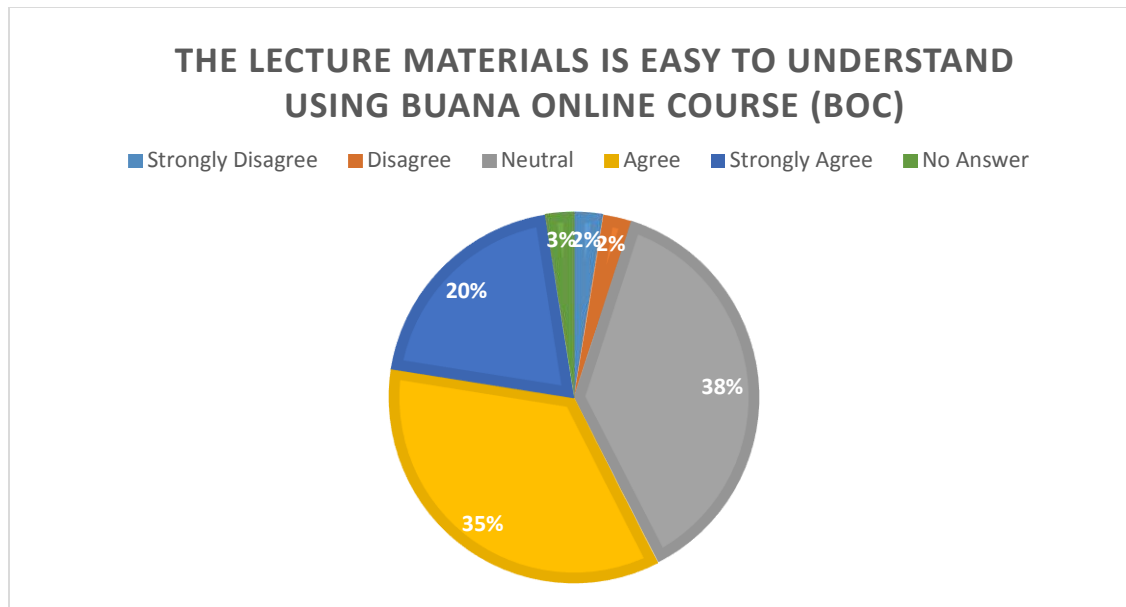
As many as 49% of students experience problems in terms of economics, which are related to basic needs for the establishment of online learning. Meanwhile, 27% feel that the problem in online learning lies in the learning process carried out, for example when teaching methods are less communicative and do not open up discussion space due to limited time to study with lecturers who are deep in their fields. In addition, the lack of optimal learning methods and the use of learning instruments that only rely on power points makes students feel bored and tired. As many as 19% of students experienced problems in the sociological dimension, 4% in the psychological dimension, and the other 1% experienced problems in other dimensions.

Online Learning through BOC (Buana Online Course) in UBP Karawang



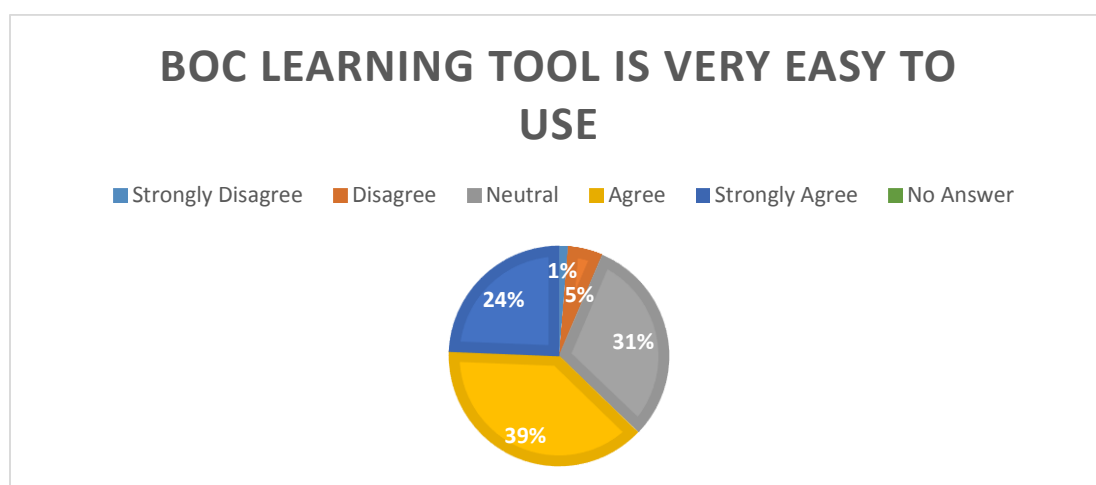
Picture 5 BOC helps students in online learning

From a number of population samples that have been determined, 40% of students agree and another 4% strongly agree that BOC helps them in online-based learning. While 23% stated strongly disagree, and another 2 percent stated disagree. A total of 27% stated neutral, or may be considered between agree and disagree, while the other 4% did not answer. Not only about learning process, BOC online learning tools also facilitates the evaluation of learning outcomes carried out by students. This is a good thing, considering the previous statement stated that BOC can be accessed by students over all. In some of the questions we asked, BOC got quite a lot of positive responses from students regarding the features provided, ease of access (although we do not rule out the fact that BOC takes up quite a lot of space and quota), and convenience in using it. In the learning process, BOC plays an important role in bringing together students and lecturers online.



Picture 6 The lecturer material is easy to understand

As many as 35% of UBP Karawang students agreed that the lecture materials were easily accessible by using the Buana Online Course, and another 20% strongly agreed. However, as many as 38% stated that they agreed and disagreed on this matter, while as many as 2% of students said they did not agree and 2% said they strongly disagreed, and 3% did not give an answer. Ease of understanding and using learning media is very vital, considering that during a pandemic, various meetings are mostly held online to reduce outside activities.



Picture 7 BOC Tools is easy to use

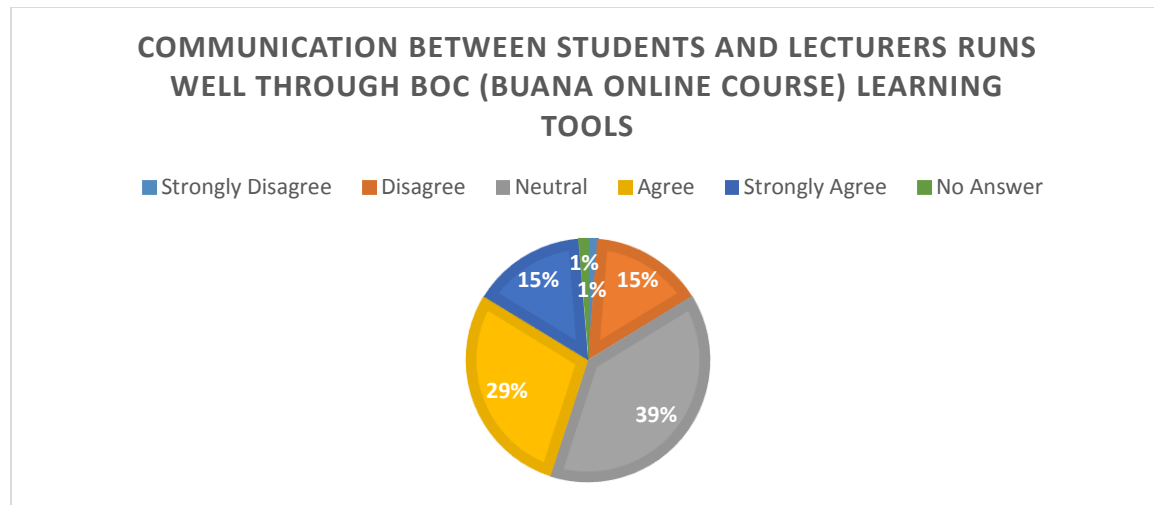
As many as 39% of UBP Karawang students agreed that the learning tool materials were easily accessible by using the Buana Online Course, and another 31% strongly agreed. However, as many as 38% stated that they agreed and disagreed on this matter, while as many 5% of students said they did not agree and 1% said they strongly disagreed, and 31% did not give an answer. Then, why don't they give an answer? The number 33% is a fantastic number, not a small number at all. It's 1/3 part of the entire sample population. We tried to trace the answers given by students using the interview method and found that the BOC website takes up quite a large amount of space and data quota, so that it is not easily accessible by students using smartphones or mid-end laptops, especially for those who do not have WiFi at home.

Efectivity of E-Learning in Academic Activities in UBP Karawang

UBP Karawang Campus uses a third-party system for E-Learning learning using the BOC (Buana Online Course) application. This application supports strategic and comprehensive E-Learning-based learning, especially during the Covid-19 pandemic.

Communication Between Lecturers and Students

Communication is very crucial in the learning process. Other than just doing social relations, communication between lecturers and students is done to gain trust, comfort, and ease if “digesting” various lecture materials and others. Failure to build communication in learning between students and lecturers, can cause various problems for both. In online-based learning, communication becomes the main homework, because with online learning, of course the effort required is greater than in offline learning. The data below shows the communication between students and lecturers through BOC:

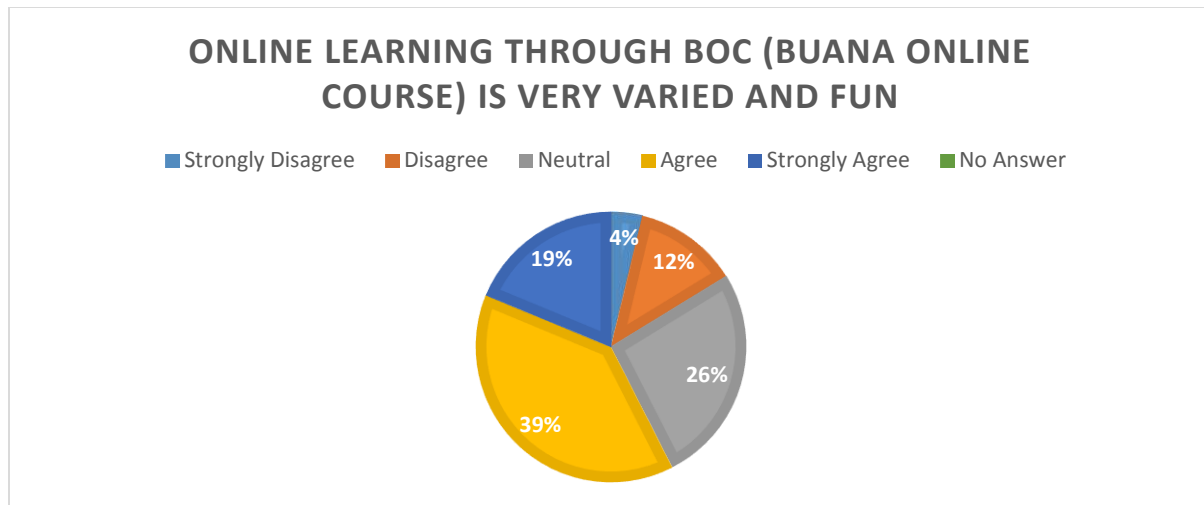


Picture 8 Communication between students and lecturer run well

As many as 29% of UBP Karawang students agreed that the communication between students and lecturers run well through BOC, and another 15% strongly agreed. However, as many as 39% stated that they agreed and disagreed on this matter, while as many as 15% of students said they did not agree and 1% said they strongly disagreed, and 1% did not give an answer. This figure is quite a concern, because as many as 39% percent of students are neutral. This is a question, because two possibilities arise: first, they feel rarely communicate through the website (they prefer to communicate with lecturers via WhatsApp or other features), or secondly, they rarely make contact with lecturers at all.

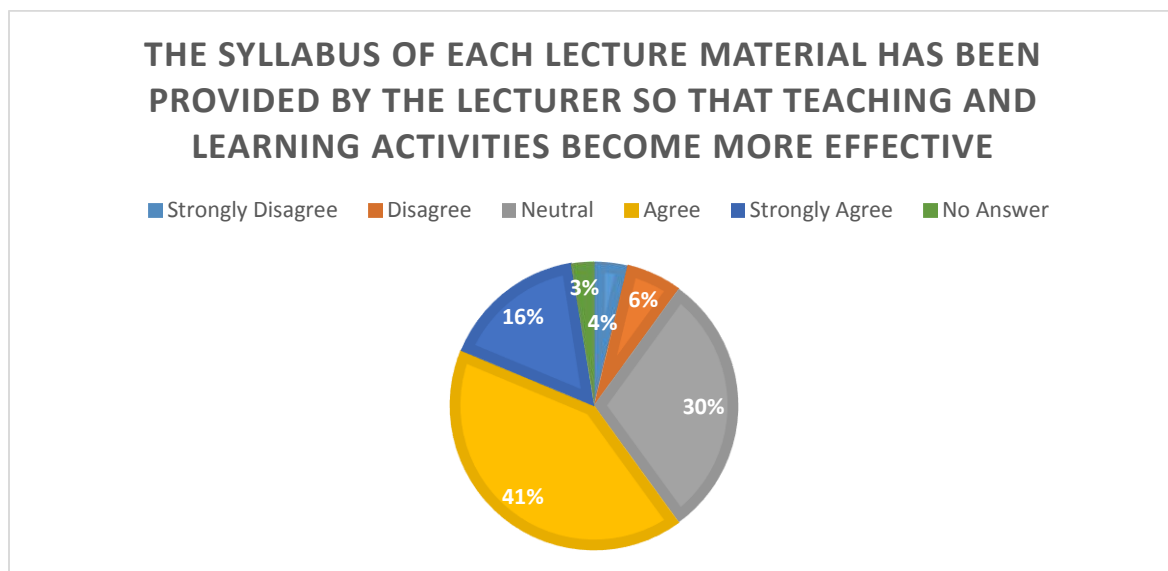
Online course and material

In addition to communication between lecturers and students, the next thing that needs to be considered is the learning process and lecture materials provided and delivered by the lecturer.



Picture 9 BOC is varied and fun

As many as 39% of UBP Karawang students agreed that online learning through BOC is very varied and fun, and another 19% strongly agreed. However, as many as 26% stated that they agreed and disagreed on this matter, while as many as 12% of students said they did not agree and 4% said they strongly disagreed.



Picture 10 the syllabus and material are effective

As many as 41% of UBP Karawang students agreed that the syllabus of each lecture material has been provided by the lecturer so that the teaching and learning activities become more effective

through BOC, and another 16% strongly agreed. However, as many as 30% stated that they agreed and disagreed on this matter, while as many as 6% of students said they did not agree and 4% said they strongly disagreed, and 4% did not give an answer.

SUMMARY AND IMPLICATION

Based on the survey research above, there are many advantages of using buana online course, there are 35% of UBP Karawang students agreed that the lecture materials were easily accessible by using the Buana Online Course, and another 40% strongly agreed, learning tools in BOC are effective to support the course, communication between students and lecturers run well through BO and online course by using BOC help student to learn effectively during this pandemic situation. However, the disadvantages of using BOC also happened based on students experienced, the students have some constrains in economic problem, education problem, and psychology problems and other problems like reception, tools and access. Thus, disadvantages are not elaborated more by the researcher because of research limitation. Finally, the research conclude that BOC is really effective to support the course in University of Buana Perjuangan Karawang.

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