CHAPTER IV

RSEARCH FINDING AND DISCUSSION OF RESEARCH

The researcher presents the finding and discussion of study. The data obtained from the observation, interview and documentation which are discussed on the theory and concept from the preceding chapter. This chapter covers lecture teach statistic research by use E-learning as media in the sixth semester of English Department in IAIN Madura and students response on the use E-learning as media in teaching statistic research

A. Research Finding

The researcher is going to show the finding of the study based on the research focus, how does lecture teach statistic research by use E- Learning as media in the six semester of English Department in IAIN Madura and how do students response on the use of E-Learning as media in teaching statistic research

This part explain the finding of lecture teach statistic research by use E-Learning as media in teaching and learning. The researcher does some steps to explain the finding. The first one, the researcher present the lecture teach statistic research by use E-Learning. There are the lecture teach statistic research by use E-Learning and WhatsApp Group (WAG). The second one, the researcher present the students' response on the use of E-learning as media in teaching statistic research . The researcher want to know the students' response positive or negative response

The researcher conduct the research start from October 14ᵗʰ April 2021 in B class of the sixth semester of TBI IAIN Madura. In this part, the

Researcher used observation to collect a data that related and needed in this research. In analyzed this research, the researcher not only did observation but also conduct an interview to get the data that the researcher need. The researcher took all of the students in B class as respondents. The researcher interviewed some of students in different time by used WhatsApp application.

1. **Lecture Teach Statistic Research by Use E-Learning as Media in The Six Semester of English Department in IAIN Madura**

From the observation and interview done on April 19th, 2021, is on a class of statistical research sixth semester of the academic year 2020/2021, the researchers conducted observations directly on WhatsApp Group class B to the learning process in a class of statistical research as well as to conduct interviews directly to the Ma'am Rabi'ah as a lecturer in a class of statistical research to get more detail information.

In a class of statistical research college teaching using the WAG and E-learning by IAIN Madura, to transfer the material class of statistical research, lecturers make the material in the form of videos which is then sent to the grub every class, not only in the form of a video, a lecturer in statistics research are also using photos of the material to more clearly sometimes watching videos on YouTube.

Application which is used to transfer the material provided at each meeting not only that Ma'am Rabi'ah also use the application to support learning in the virtual as the record zoom and recording to record the

Material record that is used and also the explanation in the virtual that is being done by the students can understand the material directly on the material which is applied on the application of statistics.

a. **E-learning by Campus**

The E-learning by the campus IAIN Madura to make easy the learning process, as well as attendance for lecturers as well as for the case of input values, the implementation of E-learning using a technology that is bridget by the technology of the internet, requires a medium to be able to showcase the materials of the course and the questions and also requires communication facilities to exchange information between participants.[1]Observation on 27th April 2021 " Assalamualaikum wr wb good morning all, this material today for the day's learning into YouTube first so I don't get bored, you will share his training in E-learning and the answer is also uploaded in E-learning ".

This suggests that E-Learning is not only in use for the input value and attendance but also in use in the process of working on it.

b. **WhatsApp Group (WAG)**

WhatsApp is an internet-based applications to utilized as a medium of communication, in the results of the observation, the researcher also found that a lecturer in statistical research also use the WAG as learning system. WhatsApp itself in use in a class of statistical research for the

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[1] Prasojo, L., & Riyanto. Teknologi Informasi Pendidikan. (Yogyakarta : Gava Media 2011).hal, 208

Transfer of the material which has been provided at each class WAG to facilitate the study of the material already in the share at any meeting by the lecture as it is written in the syllabus WAG also use it to share about UTS, Ma'am Rabi'ah said, " I am more dominant using WAG due to easy to operate as well as the presence of free quota for WhatsApp app". [2]

WAG in this case is dominant to use in comparison with the E-learning because of the more ease operator by the lecture and students.

c. **Zoom Record And Super Record**

Zoom record and super record application supporting the manufacture of the material learning in a class of statistical research, as Ma'am Rabi'ah say in WAG personally " I use the zoom record for record video learning in a class of statistical research in a visual form which is then also supported by the application super record so that students are more fade understand material in the form of visual " [3]

Here faculty use the zoom of the record and super record to make learning video statistical research in the form of audio-visual before transfer to WAG

2. **Students Response on The Use of E-Learning as Media in Teaching Statistic Research**

This section the researcher would like to know the response of the students when their lecturer used E-Learning in process of teaching and learning. The researcher did interview to the students in Statistic Research

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[2] Ma'am Robik'ah, The Lecturer of TBI in Class Statistic Research, Interview, April 19,2021
[3] Ma'am Robik'ah, The Lecturer of TBI in Class Statistic Research, Interview, April 19,2021

Class That Focus on English department at sixth Semester B class. There are thirty tree students in B class that I have interviewed.

The researcher would like to present some result of response the students in Statistic Research class. In this case the researcher would like to Explain about the students' responses teach statistic research use E-learning in class statistic research, two type responses namely :

a. Cognitive Response

Zahrotul Ahlamiyah stated :

" not so much statistical research, fear not understand the material because it deals with numbers. Learning materials in the send via WhatsApp open E-Learning, because E-learning only there is a feature to upload files there are no features for discussion so more effective use of WhatsApp is easy to explain the material "[4]

From the above data, zahrotul give the perception that the learning in the classroom research statistics is to use the WhatsApp application from the e-learning because in e-learning there are no features discussion

Achmad Fuadi stated : " not too effective, because I was not at liberty to interact with lecture and the uotas were issued when using E-learning were large enough "[5]

Alfiodita Febriyanti stated : "Effectively, the origin of the lecturer can explain properly in no hurry" [6]

Syafiatul Mutmainnah stated : "I think is effective because the lecturer explains in the video, if the time runs out lecturers provide an opportunity for those who want to ask at the WAG"[7]

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[4] Zahrotul Ahlamiyah, The Students of TBI "B" Class fifth Semester, WhatsApp Interview, October 18, 2020

[5] Ahmad Fuadi, The Students of TBI "B" Class fifth Semester, WhatsApp Interview, April 24, 2021

[6] Alfiodita Febriyanti, The Students of TBI "B" Class fifth Semester, WhatsApp Interview, April 24, 2021

Nur Aini stated: " Difficulties due to the good signal and sometimes I have difficulty not directly face-to-face so hard in the application"[8]Nur Aini gives the perception of the difficulty of the signal is one of the obstacles in The learning process and write e-learning as well as learning that do not directly face to face to be difficult in the application of the material directly.

b. Affective Response

Septia Laila Islamiah stated : " not too effective, signal in my house don't support when teaching use E-Learning " [9]

Faizah Umamah stated :" slightly effective, I was fast out of quota "[10]

Dini Majidah stated : "effective " [11]

B. Discussion of Researh

In this part, the researcher discussed all of the data that had written above. Within the data that was found by the researcher conducted the study. In describing the researcher wanted to give an understanding to the reader about the Students' Responses on E-Learning Media Used by English Lecturer to Teach Statistic Research In The Sixth Semester in English Department of Iain Madura

The researcher presented findings based on research focus. The researcher would like to describe the lecturer teach statistical research by use E-learning as media in the six semester of English Department in IAIN Madura

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[8] Nur Aini, The Students of TBI "B" Class fifth Semester, WhatsApp Interview, October 18, 2020
[9] Septia Laila Islamiah, The Students of TBI "B" Class fifth Semester, WhatsApp Interview, April 24, 2021
[10] Faizah umamah, The Students of TBI "B" Class fifth Semester, WhatsApp Interview, April 24, 2021
[11] Dini Mujidah, The Students of TBI "B" Class fifth Semester, WhatsApp Interview, April 24, 2021

And Students response on the use of E-learning as media in teaching statistic research

1. Lecture Teach Statistic Research by Use E-Learning as Media in The Six Semester of English Department in IAIN Madura

Lecturers teaching statistics research using some of the learning media to support learning, four types of application is in use by lecturers, namely E-learning, WhatsApp, zoom record and super record.

A. E-Learning

Here the role of the lecturer, the role of the students and also the assessment in the E-Learning :

1) Role of Teacher :

   a) The lecture input exercise and exam in E-learning, then lecture give information in WAG after send exercise or exam

   b) The lecture set deadline in exam and exercise

   c) The lecture correct students answer that have been input on the E-learning drive

   d) The lecture input attendance list done manually on E-learning after the students answer exercise and exam in E-learning

2) Role of Students .;

   a) Open application E-learning after read instructions in WAG

   b) Open exercise or exam that's already available in E-learning

   c) Doing tasks as directed on each question

   d) Correct answer before submit

   e) Close or log out E-learning after submit

3) Assessment :

 a) Correct students answer in drive E-learning

 b) The lecture input assessment to the students scores

 c) Attendance present after students answer exercise and exam

B. WhatsApp Group (WAG)

WhatsApp itself is already subscribed to some of the lecturers to the learning process due to how easy-to-use and easy to understanding, WAG own one application that is often used by lecturers statistical research can say is active in the WAG in comparison in E-learning itself and WAG help lecture to teach statistic research. Here the role of the lecturer, the role of the students and also the assessment in the WhatsApp group :

1) Role of Teacher

 a) The lecture start with "Assalamualaikum " at the beginning before starts class

 b) Provide motivational sentences to arouse students enthusiasm

 c) Send learning materials in the form of PPT, photos and video some time send link video YouTube in WAG one day before class started or a few minutes before class

 d) The lecture give a instruction to download SPSS application in laptop

 e) Share link to download SPSS application in laptop

 f) The lecture give exercise in ending video or PPT

g) Provide information about learning materials that already sent

h) Remind students to learn the material before the class discussion at the start

i) Open a chat at the WAG who earlier in the mute to provide access discussion students

j) The lecturer asked about obstacles in understanding the material

k) The lecturer invited the students to ask him about the material that has been sent previously

l) The lecture answer any questions students use a voice note in WhatsApp Group class statistic research

m) The lecturer inform to the students about the exercises and the exam already sent in E-learning

n) The lecturer interruptions to the students do the exercises and Exam by the deadline already in the settings on the application of e-learning

o) Reminiscent of the coordinator class to confirm if done send the answers in one folder after send via email Ma'am Robik'ah

p) The lecture closing class statistic research in WAG with greetings

2) Role of Students

a) Students answer the greetings from Ma'am Robik'ah

b) Students download the material already in the send Ma'am Robik'ah

c) The students watch and read material before start class static research

d) Students ask about the material that has Ma'am Robik'ah given in WAG

e) The students asked how the collection to the faculty in the discussion session

f) Students send photos about the problems that occur in the application of e-learning or if the students don't understand about learning material

g) The students ask for the link app SPSS

h) All the students in WAG response greetings after Ma'am Robik'ah closing discussion in class statistic research

3) Assessment

a) Assessment based on attendance

b) After students answer exam and exercise

C. Zoom Record and Super Record

Two of these applications are also in use lecture in a class of statistical research zoom record serves to record material in the form of audiovisual . Here the role of the teacher, the role of the students and also the assessment in the Zoom Record and Super Record :

1) Role of Teacher

   a) Schedule time before start record video

   b) Prepare learning material that will be explained

   c) Start making video under the schedule in zoom record

   d) The lecturer also made a video answers in the discussion using the super record

   e) Lecturer save the results of the video record before send through WAG

   f) The lecture send the results of the video record in whatsapp Group

2) Role of students

   a) The students download the recordings are sent in group statistics research

   b) The students watch video recording material learning statistic research

3) Assessment

   a) Assessment based on attendance

   b) After students answer exam and exercise

The similarities on lecture teach statistic research using some of the learning media to support learning, four types of application that is in use lecturers to teach in the classroom statistics research namely : E-Learning, WhatsApp, Zoom Record and Super Record following :

1) Role of Teacher :

   a. Same about give a material learning statistic research

b. Give exam and exercise

c. Lecture as a teacher center or tutor

2) Role of Students :

a. Students answer exam and exercise

b. Download the learning of the material statistic research such as : PPT, video and photos

c. Students read the learning of the material statistic research

d. Students response in each learning

3) Assessment :

a. Input exam and exercise

b. Give a exercise in the last PPT or video send via WhatsApp

c. Input attendance students

The differences on lecture teach statistic research using some of the learning media to support learning, four types of application that is in use lecturers to teach in the classroom statistics research namely : E-Learning, WhatsApp, Zoom Record and Super Record following :

1) Role of Teacher :

a. In E-Learning : lecture set deadline in exam and exercise, correct students answer that been input on the E-learning drive, input attendance list done manually on e9-'learning after the students answer exercise

b. WhatsApp group : the lecture start class with greetings and motivation sentences, reminiscent of the coordinator to confirm if done send answer in one folder send via

Email, the lecture start discussion with open chat in WhatsApp Group, send a material learning and provide information about learning material that already send in WAG

c. Zoom Record and Super Record : the lecture schedule time before start record in zoom meeting, start making video material statistic research under the schedule in zoom meeting, the lecture also made a video answer in the discussion using super record, save all record video before share to the students

2) Role of Students :

a. E-learning : the students open E-learning to answer exam and exercise

b. WhatsApp Group : joint discussion in learning process statistic research, the students ask about the problem about deadline exercise or exam and ask about the collection the exercise, students watch and read material.

c. Zoom Record and Super Record : the students watch the video learning material

3) Assessments :

a. E-Learning : exam and exercise

b. WhatsApp : Exercise in the last PPT include with deadline and how the answer

2. Zoom Record and Super Record : only the application make a video

Students Response on the Use of E-Learning as Media in Teaching Statistic Research

Based on these findings, the researchers know that all students have a different perception, the difference of opinion or difference of angle of view but they have a purpose. All students in the class of TBI B do not agree when teachers use E-learning because they argue when lecturers using E-learning in the learning process it is not helpful for them. After all, not all students understand when they are using E-learning during the learning process. This happens to several factors such as not all students can open an E-learning in because of the quota and the signal in each lesson and do not understand how to operate E-learning in every classroom learning statistics research.

From the findings above, the researcher knows that all of students in TBI B class have cognitive response. As stated before in Chapter II, cognitive responses are responses that relate to or perception of the object of the attitude. Verbally, the thinking of a person can be identified from the phrase belief (beliefs) or something better that tend to be negative or Positive.[12]. It means that cognitive response is a negative response that people feel. People have negative response because they get advantages from others.

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[12] Rafikayuni,"Pengembangan LKS Berbasis Predict Observe Explanation Pada Submateri Keanekaragaman Hayati Kelas X " ,*Jurnal Pendidikan dan Pembelajaran Khatulistiwa*, vol 6, no 1, (Pontianak 14 Oktober 2017): 339

From the findings in the discussion of the study, researchers know that WAG (WhatsApp Grub) is often used in comparison with E-learning it is proved WAG more devotees in the process of learning in comparison with E-learning. Although E-learning is also very helpful in times of the pandemic as it is currently in the process of teaching in the class of statistical research is expected to further enhance some feature support in e-learning so easy to understand by students or lecturer.