

CHAPTER II

LITERATURE REVIEW

This chapter explains several theories through reviewing some literatures related to this research.

A. E-Learning Platform

1. Definition of E-Learning Platform

E-Learning platform is an integrated set of interactive online services that provides the teachers, learners, parents and others involved in education with information, tools and resources to support and enhance educational delivery and management. A Learning Platform is a comprehensive system enabling secure, web-based training and E-Learning solution that employs a simple and intuitive user interface. E-Learning refers to the use of information and communication technologies to enable the access to online learning or teaching resources.

E-Learning platforms enable students to learn anytime and anywhere. They can study outside the classroom without having face to face meeting. It gives both students and teachers chance to organize their own schedule to learn. According to Cakrawati, (2017) the system that is used as a means of teaching and learning that is carried out without having to meet face to face directly between teacher and students. By implementing E-Learning platform both students and teachers can understand a distance teaching learning process through computer and communication technologies.

A learning stage can be a system of instruments that work consistently together to convey a student centric learning encounter by binding together instructive hypothesis and hone, innovation and substance. Learning platforms can be described as the next generation of Virtual Learning Environments or Learning Management Systems used by educational institutions (Hill, 2012). Therefore, the development of technology can help educational institutions to make an interesting and valuable class.

A learning framework based on formalized instructing but with the assistance of electric assets is known as E-Learning. Whereas educating can be based in or out the classrooms, utilize of computers and the web shapes the major component of E-Learning. E-Learning can also be termed as an arranged empowered exchange of abilities and information, and the conveyance of instructions is made to an expansive number of beneficiaries at the same or distinctive times. Earlier, it is not accepted wholeheartedly as it is assume that this system lack the human element required in learning (Coleman, 2020).

Based on the explanation above it can be concluded that E-Learning platform is online services that can support teaching learning process by providing some features that can be used such for sharing information, collecting the assignment, discussion and many more.

2. Types of E-Learning Platform

According to Algahtani, (2011) E-Learning is divided into two basic types, which are computer-based and internet based E-Learning. The computer-based learning involves the use of hardware and software generally that are available for the use of information and communication technology. Meanwhile, internet-based learning is a further improvement of the computer-based learning, and it makes valuable content on the internet with the readiness of links to relate knowledge sources, such as e-mail services. Teachers can create lesson and have communication with the students through some ways such as text, video, and voice tools (Khatoony & Nezhadmehr, 2020). This study will discuss about E-Learning with type of internet-based learning.

3. The Use of E-Learning

The development of technology and information as well as the use of internet as new technique of teaching change the traditional process of teaching. Development of technology gives more choices for today's education, they can choose whether do the teaching learning process with traditional process, blended learning, or full of online process where without need to meet directly. E-Learning has come to be more and more important in institutions of higher education to support their learning process.

There are not only different types of E-Learning, but also different ways of employing the technique in education (Algahtani, 2011) In his

evaluation of E-Learning and experience in Saudi Arabia, he determines three distinct models of using E-Learning in education including the adjunct, blended E-Learning and online. Those ways of using E-Learning are described below:

The adjunct E-Learning is the situation in which E-Learning is employed as an assistant in the traditional classroom providing relative independence to the students. Blended learning is the ways of using E-Learning to deliver the courses or materials and explanations which is shared between traditional learning and E-Learning method in the classroom setting. The last one is the online, which is devoid of traditional learning participants or classroom participants. In this way the classroom settings are totally use E-Learning and there is a maximum independence of the students.

4. The Advantages of E-Learning Platform

The use of E-Learning platform in education has several advantages. There are several studies providing advantages derived from the adoption of E-Learning technologies into school. Here are some advantages of E-Learning platform.

- a. E-Learning enhances the efficacy of knowledge and qualifications via ease of access to information.
- b. Giving the students and teacher the easiest way to choose the place and time that suits him or her. The adoptions of E-Learning provide the

institutions as well as their students' flexibility of time and place of delivery or receive learning information.

- c. E-Learning always takes into consideration the individual learners differences. Since each student has their own way to learn. Some learners for instance prefer to concentrate on certain parts of the course, while others prepare to review the courses.

There are some most important advantages of E-Learning. Those advantages are explained below:

Online learning is self-paced, Students can plan their own time schedule when study online, without having to make personal sacrifices in order to meet the class attendance requirements of teachers and traditional universities. The research has demonstrated that self-paced learning results in increasing student satisfaction and reduced stress, resulting in improved learning outcomes for everybody involved. A number of the benefits of self-paced learning include efficiency, effectiveness, convenience, scalability, and reusability.

E-Learning is student-centered, Students centered learning refers to as learner-centered education. This method put the students in the center of focus rather than the teachers. Online learning is fundamentally students-centered, since the easy implementation of students' discussion boards and peer grading systems. Both collaborative E-Learning and synchronous online learning promote between students interaction.

E-Learning is cost-effective, for educational institutions E-Learning is also cost-effectiveness when is used together with classroom-based learning. This is known as blended learning, and it's an excellent alternative to those organizations that are not yet ready to fully move over to E-Learning.

Individual learning styles, E-Learning takes into consideration the differences of individual learners, and it allows students to practice their own individual learning styles. In other words, students are not always required to pass all unwanted courses in a curriculum and that they can choose specific topics of interest to them. All students have different learning styles and there will never be a one-size-fits-all style of solution which is able to match all students directly. That is why individualistic learning methods are a number of the best advantages of E-Learning.

Customizable learning environments, researchers find that employees working in environments without pictures, plants, souvenirs and other were 15% less productive than those working with said "distractions". This also applies to the academic context – students who don't have a desirable learning environment will feel its effects on their learning performance and psychological state. On the other hand, in the case of E-Learning, the students have total control of their learning environment. Those students who feel the advantages of a plant-filled environment can customize their E-Learning environment accordingly. Moreover those students who feel better in a minimalistic learning

environment with none distractions can reap the advantages of such an E-Learning environment.

E-Learning fully utilizes analytics, E-Learning Analytics is that the extraction of valuable information from online learning management systems. With student data gained through E-Learning Analytics, educational institutions can improve their training materials and boost learning outcomes in various ways. As an example, if we have data on student dropout rates, we will identify potential pitfalls in our learning materials and eliminate them. Afterward, we will gather new data and analyze whether our change was beneficial to our E-Learning outcomes or not. The worth of knowledge in education is immense, and its full potential is yet to be realized.

E-Learning is environmentally friendly, E-Learning is a paperless learning method, it does not contribute too many of the environmental issues associated with paper production. For example, there is no need to cut down trees for paper or to create paper-cellulose production factories which are known to cause atmospheric pollution in surrounding areas.

5. E-Learning IAIN Kediri

E-Learning IAIN Kediri is one of the online learning platforms which are used by IAIN Kediri for learning media. It is very simple and easy to access. It can be access through any electronic devices such as computer, laptop, smartphone and others. Both lectures and students in IAIN Kediri use the E-Learning platform for their class. The subject for

the study can be accessed through E-Learning platform, but the first is the lectures should register the class in E-Learning and after that student can join the courses. There are some facilities that can be used for learning. The lectures can do some activities such as make a class for each class, giving course materials, giving assignment and comment for the students and also checking the students' attendance list. For the students, they can join the classes, doing and collecting the assignments and filling the attendance list. Moreover, teacher and students also can interact each other by having discussion or conversation.

B. Students' Perception

1. Definition of Perception

Perception refers to the person's interpretation of a stimulus. Perception is influenced by mental state, past experiences, knowledge, motivation and several other factors. In addition, perception is defined as a sensory experience around us that involves both acknowledging environmental stimuli and acting in response to these stimuli (Slavin, 2006).

Perception is the sensory experience of the world. It involves both recognizing environmental stimuli and actions in response to those stimuli. Through the perceptual process, students gain information about the properties and elements of the environment that are critical to students' survival. Perception not only creates experience of the world around them but also it allows to act within the environment. Perception includes

the five senses; touch, sight, sound, smell, and taste. It also includes what is known as proprioception, a set of senses involving the ability to detect changes in body positions and movements. It also involves the cognitive processes required to process information, such as recognizing the face of a friend or detecting a well-known scent. Learn more about how go from detecting stimuli in the environment to actually taking action based on that information (Cherry, 2020).

Dealing with the explanation above, it can be concluded that perception is a process of human thinking about certain phenomenon after they getting the sensation from the environment through the sense of organ.

2. Factor of Affecting Perception

Slameto (2010) argues that there are two factors that influence someone's perception. The factors are internal and external factors. The internal factor is a factor which comes from an individual inside. It depends on psychological factors such as thoughts, felling, willingness, sex, need, motivation, and attention. Each person has different characteristic and temperament shaped by individuals' family and environment. External factor is a factor which comes from the outside of individuals. The external factors are also affected someone's perception, and stimulus is an internal factor in monitoring process. The stimulus processes connect between individuals and object in the world through organ or receptor such as sight, sounds and hearing.

3. The Process of Perception

Perception consists of certain process. The perception processes consist of three stages; selection, organization, and interpretation (Qiong, 2017). The processes are;

a) Selection

Selection is that the first stage within the process of perception, during which we convert the environment stimuli into meaningful experience. In existence human gets variety of information from the environment that will encounter the stimuli: the word are hearing, the witness of an accidents, to call but some.

b) Organizations

The second stage in perception process is organization. After selecting information from the outside world, it needs to organize it in some ways by finding certain meaningful patterns. This organization stage is accomplished by putting things or people into categories, and that is why it is also termed categorization by some researchers. In this stage of perception, the social and physical events or objects will encounter immediately have shape, color, texture, and size. For instance, when ask what a human being is, some people may describe it from the perspective of skin color, others from that of race or nationality.

c) Interpretation

The third stage in perception is interpretation, where refers to the process of attaching meaning to the selected stimuli. Once the selected stimuli have been categorized into structured and stable patterns, people try to make sense of these patterns by assigning meanings to them. But different people may give different interpretations of the same stimulus. For example, a kiss or a big hug in public is a common way of greeting each other in some western countries, which has the function of saying “Hello!”, whereas in many other countries they are always considered to be “lovemaking” behaviors.

4. Students’ Perception

Perception is an internal process that has been recognized by individuals when it receives external stimuli. The stimuli are captured, then individuals will feel spontaneously and thoughts will give meaning to the existing stimuli (Aw, 2010). Walgito, (2003), states that perception is human thinking process about certain phenomenon. Perspective Study is not just looking at the situation, but here students learn, broadens their horizons, and become a new platform to prepare them in the future. In perspective students can provide opportunities for them to broaden their horizons and perspectives on the world of work based on the experiences of students.

Students' perception on the implementation of E-Learning platform is students' preference whether the use of E-Learning can cover the learning activity or not. It includes some aspects such as interactivity, independency, accessibility, and enrichment (Rusman, 2011). The explanation as follows: (1) interactivity refers to provide more communications in teaching learning activity, either synchronously (in form of chatting and messenger) or asynchronously (forum and mailing list); (2) independency is the flexibility to do learning process in some aspects: time, place, teacher and the material; (3) accessibility refers to the easiest way to access material from electronic devices. Even students can access it wherever and whenever; (4) enrichment refers to the students attention and motivation to learn.

Moreover, the students' problems faced in using E-Learning platform have two aspects. The first is about connection, connection refers to the use of internet connection to access the material or to do learning process whether using laptop, computer or hand phone. The second is about time management, it refers to the process of planning the time, and how the students can divide the time to do their assignments (Bitner, 2012).

C. Previous Studies

Some similar studies had been done to identify both students' perception and what problems or difficulties they face in learning using E-Learning platforms. A study was conducted to find out the students perception

about the use of E-Learning platform in higher education (Gonzales, 2019). In this study, the researchers used the questionnaire and interview to collect the data. The result from the study showed that students agree that learning platform promotes autonomous learning (86.5%), facilitates the availability of course materials (81.1%), and favors interaction among the different agents of the course (78.4%). It means students satisfied with their experience related to accessing course content, and less about collaborating on study groups' project with other students.

Another study was conducted with the same purpose which is to find the students' perception on the use of E-Learning platform (Victoria et al, 2018). The participants of the study were third semester students at the primary education Department of Syiah Kuala University. The results show that E-Learning be useful in enhancing their understanding, independence, self-discipline, motivation to learn and interactions with each other and with teacher. They also claim that it is easy to use.

Another study was done to find out the different perception between male and female students about the use of online learning platform (Bagata, Umamah, & Fikri, 2020). The result of the study showed that the EFL students' perception of the use of online learning platforms share positive perception. The students argues that the use of learning platform give them the easiest way to give direct question and get direct answer from the lecturer. Moreover, male students' perspective is more positive than females in the use of online learning platforms.

In line with the findings from Rahayu, (2020), the students' perceptions on the use of online learning platforms give the positive perception toward the use of online learning platforms. Moreover, there are some advantages for online learning which the whole learning process full of online. Students have higher interest on the use of technology since that is fast to do the assignments by using technology internet. By using online learning platform students can learn individually or in group.