

ANALYSIS OF THE USE OF LEARNING MANAGEMENT SYSTEM (LMS) IN IMPLEMENTING THE TUTORIAL WEBINAR FROM THE TUTOR AND STUDENT SIDE

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Abstract

The occurrence of the Covid-19 pandemic in early 2020 caused a change in the implementation of tutorials at the Open University (UT). To prevent the transmission of Covid-19, the tutorials that were previously held face-to-face were replaced with the implementation of webinar tutorials (Tuweb). To support the implementation of Tuweb, the LMS (Learning Management System) application is used. The use of the LMS application in implementing Tuweb requires special adaptation and preparation for students and tutors. Tutors and students must learn how to use the LMS in implementing Tuweb and providing the supporting tools. This paper will analyze the use of LMS in implementing Tuweb from the perspective of students and tutors. This research is a descriptive qualitative research that aims to interpret the phenomenon under study. This research was conducted at UPBJJ UT Gorontalo in 2022. Sampling was carried out by purposive sampling of tutors and students participating in tuweb. In addition, a literature study was also carried out by studying reports on the implementation of tutorials at UPBJJ, as well as various literature related to the use of LMS in the learning process. The results of the study show that LMS can help students and tutors in implementing Tuweb because it can be accessed anytime and anywhere. Besides that, the administration of Tuweb implementation is also managed at the LMS. However, there are still some students who have not been able to take part in Tuweb and make the most of their LMS due to limited devices and not optimal internet networks in their area.

Keywords: LMS, Students and Tutors, Webinar Tutorials

1 INTRODUCTION

In providing world-quality higher education services for all levels of society through the implementation of the Open and Distance Education (PTJJ) program, the Open University (UT) implements the Distance Learning System (SBJJ). With this SBJJ, it will help students who are diverse and scattered, even to rural areas to get the opportunity to get an education at a tertiary institution.

With SBJJ, students are expected to be able to study independently. In order to assist the student learning process, UT provides academic study assistance services in the form of tutorials. UT offers several types of tutorials that students can take part in, namely face-to-face tutorials, online tutorials, radio tutorials, and webinar tutorials.

Tutorial Webinar (Tuweb) will be held at UT starting in 2020. The background for organizing Tuweb is the Covid-19 pandemic that has hit Indonesia and other countries in the world. In order to limit interactions to reduce the risk of transmission of Covid-19, which is highly contagious from one person to another, face-to-face tutorials for undergraduate programs are replaced with

synchronous tutorials, which use web technology (Tuweb) in their delivery. Tuweb is bidirectional and multiuser.

In Tuweb allows interaction between tutors and students at the same time, even in the network. To support and increase the effectiveness of Tuweb implementation, during the 2020.2 registration period the Learning Management System (LMS) was started.

LMS is a software application for the online learning process (Dwi Nila Andrian, 2022). According to Hanum (Hanum, 2013) Learning Management System is software used to create web-based online lecture materials and manage learning outcomes and their results. LMS also has features that can meet all needs in terms of learning. Meanwhile, according to Trivedy ((Niken Ayu Larasati, 2019)) the Learning Management System (LMS) is an integrated and comprehensive system and can be used in an e-learning platform. E-learning is the utilization and use of technology and the web to create learning experiences (Haris Pamugar, 2014).

The LMS at UT was developed using Moodle. Moodle is open source and web based software. Moodle is different from other applications because there is a discussion and chat menu. This menu allows tutors and students to interact. The advantages of LMS using Moodle include that the material is packaged in each meeting so that it is in the form of small units, there are animations that can help explain the material being discussed, supplemented by videos about the material being studied so that it is more interactive (Hamdi, 20013). Currently, Moodle in the form of an application can also be installed on Android devices.

The Tuweb service and the use of the LMS application are new to UT tutors and students. Students and tutors will be introduced to features in the LMS including tutor greetings, tutorial materials, discussions, tutorial assignments, assignment assessments and student attendance lists. This requires adaptation and the ability to accept technology from implementing Tuweb and using LMS.

In implementing Tuweb, technology is not just a tool that can increase the value of human life. Technology has aspects that are not just hardware, but also cultural, organizational and technical (Pacey, 2005). To accept a technology requires several stages including knowledge, persuasion, decision, application, and the confirmation stage (Rogers, 2003).

To explain user behavior towards technology, the UTAUT (Unified Theories of Acceptance and Use of Technology) model is used. This model analyzes behavioral intentions and behavior to use

technology (use behavior) is influenced by performance expectations, effort expectation, social influence and supporting conditions (facilitating conditions) (Windra Irawan, Nur Asiah, 2018).

UT students who are spread across various regions with varying conditions and ages will experience different responses when introduced or confronted with new technology, in this case the LMS in implementing Tuweb. Likewise with tutors. In this regard, this study will analyze the use of LMS in implementing Tuweb from the side of students and tutors using the UTAUT model.

2 METHODOLOGY

This research is a descriptive qualitative research that aims to interpret the phenomenon under study. This research was conducted at UPBJJ UT Gorontalo in 2022. Sampling of data sources was carried out by purposive sampling of 5 tuweb tutors and 5 tuweb participant students from various Pokjar. To collect the information and data needed in this study, the researchers conducted interviews, document analysis, and studied literature related to the use of LMS in implementing Tuweb.

3 RESULTS AND DISCUSSION

The use of LMS in implementing Tuweb at UT is carried out for 8 sessions or 8 weeks. In each session, tutors must greet students, include tutorial materials and discussions. At the 3rd, 5th, 7th meeting, the tutor added tutorial assignments. Tutors provide assessments and responses to student discussions and assignments at LMS. Tutors check student attendance in the attendance list feature for each Tuweb session. LMS can manage learning outcomes and outcomes. Because it is presented in the form of e-learning, students can access the LMS anytime and anywhere. Student activity and participation in imp

Table 1. Results of Interviews Related to The Use of LMS in Students

Items	Student
Performance Expectancy	Ani Mananggu: using LMS in Tuweb is important for the smooth running of my lectures Melisa (Bolsel student): Mastering LMS is important for students Rosnawati Napu (Bolmut): Mastering is important for the smooth running of lectures at UT Nelvi Kamaru (Bolsel): must be able to master LMS for smooth lectures at UT Friska Abidin (Wonosari): Mastering LMS is important for the smooth running of Tuweb
Effort Expectancy	Ani Mananggu: I can open the LMS, but it's hard to send assignments Melisa (Bolsel student): Able to use LMS Rosnawati Napu (Bolmut): I can use the LMS smoothly Nelvi Kamaru: Able to use LMS

	Friska Abidin: Able to use LMS on Tuweb and often helps friends with assignments.
Social Influence	Ani Mananggu: The tutor encouraged me to be able to use the LMS Melisa (Bolsel student): Tutors and officers at UPBJJ help use the LMS Rosnawati Napu (Bolmut): UPBJJ and friends encouraged them to use LMS Nelvi Kamaru: Tutors and officers at UPBJJ encourage using LMS Friska Abidin: Tutors and officers at UPBJJ encourage using LMS on Tuweb and often help friends to submit assignments
Facilitating Condition	Ani Mananggu: I use a cellphone, it's hard for me to send assignments because the internet connection is not good Melisa (student of Bolsel): I use a cell phone in Tuweb, the internet network in my place is weak, and the WIFI in our village is not working Rosnawati Napu (Bolmut): I use a cell phone for Tuweb implementation, the network is good so the Tuweb runs smoothly Nelvi Kamaru: I use my cellphone to do Tuweb, and the network in my area often drops Friska Abidin: I have a cell phone and laptop for doing Tuweb. I often help friends to submit assignments

Research Data for 2022

Table 2. Results of interviews related to the use of LMS in tutors

Items	Tutor
Performance Expectancy	Mastin Coboyo, M.Pd: Mastering the LMS is important for the smooth running of the Webinar Fitriana Pakaya S.Pd. Tutors must be able to use the LMS in implementing Tuweb Julina Lawenga, S.Pd: Tutors are important for mastering LMS for the smooth implementation of Tuweb Agustini, M.Pd: Mastering LMS is important for the smooth implementation of Tuweb Ishak Kahar, M.Pd, Dr: Mastering LMS is important for the smooth implementation of Tuweb
Effort Expectancy	Mastin Coboyo, M.Pd: I can and fluently use the features in the LMS Fitriana Pakaya M.Pd: I can and fluently use the features in the LMS Julina Lawenga, S.Pd: I can already use the LMS Agustini: I can and fluently use the LMS Ishak Kahar, M.Pd, Dr: I can already use LMS
Social Influence	Mastin Coboyo, M.Pd: UPBJJ and student demands make me able and fluent in using features in LMS

	<p>Fitriana Pakaya M.Pd: UPBJJ and student demands made me able to use it fluently at LMS</p> <p>Julina Lawenga, S.Pd: The demands of the task make me have to be able to use the LMS</p> <p>Agustini: The demands of assignments and students make me have to be able to use the LMS</p> <p>Ishak Kahar, M.Pd, Dr: The demands of the assignment made me have to be able to use the LMS</p>
Facilitating Condition	<p>Mastin Coboyo, M.Pd: has good facilities for using LMS and implementing Tuweb</p> <p>Fitriana Pakaya M.Pd: has the facility to use LMS and implement Tuweb</p> <p>Julina Lawenga, S.Pd: has the facilities to implement Tuweb</p> <p>Agustini: has the facilities to implement Tuweb</p> <p>Ishak Kahar, M.Pd, Dr: has the facilities to implement Tuweb</p>

Research Data for 2022

3.1 Analysis of the Use of LMS in Implementing Tuweb from the Student and Tutor Sides

3.1.1 Performance Expectancy

According to students, mastery of LMS for implementing Tuweb is important for the smooth running of Education at UT. Meanwhile, according to the tutor, mastery of LMS is important for the smooth implementation of tasks in guiding students in implementing Tuweb. Tutors must be able to manage the class and be able to answer when asked by students. Socialization about LMS and its use in implementing Tuweb for students, was carried out during Student Study Orientation, and Distance Learning Skills Training (PKBJJ) activities. Each semester is also explained in clinical learning activities. Socialization about LMS and its use in the implementation of Tuweb for tutors is carried out during the tutoring of tutors. Apart from that, UPBJJ also provides consultation for tutors about using the LMS. Furthermore, tutors can already use the LMS in carrying out the Webinar.

3.1.2 Effort Expectancy

Most students are already fluent in using LMS in implementing Tuweb. Only a small proportion are still adapting to accept technology in using LMS. Of all the features in the LMS, it is the assignment submission feature that students often complain about. This is because students find it difficult to follow the steps to upload tutorial assignments. Besides that, due to advanced age and limited facilities, it is also difficult for students to use LMS. Meanwhile, almost all tutors have been able to open their LMS during the webinar. For new tutors, some come to UPBJJ again to consult how to open features in the LMS.

3.1.3 Social Influence

Acceptance of technology for someone can be influenced by other people. The use of LMS in implementing Tuweb by students was influenced by UPBJJ, tutors and friends. Likewise for tutors, the demands of UPBJJ and students make tutors have to master LMS in implementing Tuweb. Tutors must also be able to guide students in implementing Tuweb.

3.1.4 Facilitating Conditions

For the smooth implementation of Tuweb, UT students and tutors must have good equipment. This device is an Android, laptop and is supported by the availability of data or WIFI, as well as a good internet network. From the results of interviews with students, some students are in areas where the internet network is not good, there are even areas where there is no internet network at all. For this problem, students must find a place that has an internet network for implementing Tuweb. In addition, from the findings during Tuweb monitoring, there were students who had to join Tuweb with other students because they did not have the equipment. Likewise for sending assignments, students hitch a ride with friends who have laptops. In addition, there are areas where the electricity does not turn on all day long, this condition will certainly disrupt the smooth running of Tuweb.

4 CONCLUSION

The results of the study show that LMS can help students and tutors in implementing Tuweb because there are learning materials that can be accessed by students anytime and anywhere. Tuweb implementation administration can also be managed by tutors at LMS. Tutors and students can use the LMS in implementing Tuweb, it's just that there are still some students who experience problems in sending Tuweb assignments. Besides that, there are still some students who have not been able to take part in Tuweb optimally due to limited devices and not yet optimal internet networks in their area.

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