Analysis Of E-Learning Course Systems For Employee Class Students

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Abstract; The campus is a service provider for higher education, both at undergraduate and postgraduate levels, in order to increase the interest of prospective students who want to improve their qualifications but are constrained by distance and time, so that there is a lecture system that is not limited by space or time with In other words, wherever you are, as long as there is intention within you and there is an internet connection, you can continue your studies using bold or e-learning. The effectiveness of lectures using the e-learning system is an evaluation material for campuses that implement the e-learning system in order to further improve the lecture system processes and services. This research uses literature observations (Literature Review) by comparing several previous studies in Indonesia which have been published on Google Scholar in the period 2017 to 2022. The results of the literature review research conducted show that the e-learning lecture system was reviewed from several aspects, among others. The location, facilities and platform used by research show that the e-learning lecture system is quite effective and influences prospective students' interest in continuing their studies.

Keywords : E-Learning; library research; Learning Effectiveness

INTRODUCTION

Although overall the Covid-19 pandemic has had a huge impact on the way of life of the world community, including on us, the Indonesian people, especially since the government implemented Community Activity Restrictions (PPKM) which caused a change in lifestyle, which previously involved all activities between people. The face to face face to face method must be replaced by not face to face face to face, of course this also has an impact on the world of Indonesian education, where so far the learning system has always been synonymous with face to face in the classroom and has changed to an online learning system. which is better known as the e-learning system, even though the learning system using the e-learning method is not something new in Indonesia.

Currently, even though PPKM has been officially revoked by the Indonesian government, it turns out that the lecture system using the e-learning method is still being implemented by several campuses in Indonesia, including the Master of Management Program for employee classes at Surya Darma Dirgantara University, but in general the focus is on lectures with The e-learning system is no longer caused by the prohibition of face-to-face meetings which can result in the transmission of a disease, but rather the effectiveness and efficiency of lectures, where currently the main targets of the online lecture or e-learning system are employees who Time is not possible to continuously attend class for lectures but still have the intention and interest to improve their education, whether because of work demands or personal intentions to continue to develop themselves to be better, even though they are in very far away areas as long as they are still reachable by the network. You can still participate in lecture activities on the internet.

According to Abdul Barir Hakim (2016: 2) defines: "E-learning is teaching and learning that is supported and developed through technology and digital media, and is also a form of the concept of distance learning.", further according to Novi Hidayati (2010: 154) explains that: "E-learning is an instruction process that involves users of electronic equipment in creating, assisting development, conveying information and facilitating the teaching and learning process where students are the center and is carried out interactively anytime and anywhere." Meanwhile, according to Kun Khamidah and Ramadian Agus Triyono (2013: 2) define: "E-Learning is an extension of electronic learning which is a new way of teaching and learning process using electronic media, especially the internet as a learning system."

From several expert opinions presented above, it can be concluded that e-learning is a distance learning method that allows learning materials to be delivered to students by utilizing computer networks or the internet and allows students to learn via computer wherever they are without having to physically attend. lessons in class.

In general, there are several e-learning platforms that are commonly heard of or used, including Google Meet, Moodle, Zoom, Edmondo, Google Classroom.
- Google Meet is an effective video conferencing platform that is well-liked by many users, it illustrates its benefits in remote user environments, as well as providing a step-by-step guide on how to use Google Meet efficiently.
- Moodle is website-based e-learning software that can be used for teaching and learning purposes with the principles of social construction pedagogy. Apart from that, Moodle is also a learning platform designed to provide educators, students and administrators with a safe and integrated system, like Google Calasroom. , the beginning of the history of Moodle was developed by Martin Dougimas, an educational computer science graduate who wanted to create a learning platform that was open source or could be accessed and used for free.
- Edmondo is a learning platform based on a Learning Management System (LMS) that is safe for teachers, students and schools based on social media, Edmondo provides facilities for teachers and students, a safe place to communicate, collaborate, various learning content and applications, assignments for students, discussions in virtual classes and assessments, Edmondo was founded in 2008 by Jeff O'Hara, Nic Borg, and Crystal Hutter.
- Google Classroom is a free web service developed by Google for schools, which aims to simplify, create, distribute and assess assignments without having to meet face to face, the main goal of Google Classroom is to streamline the process of sharing files between teachers and students, Google Classroom combines Google drive for creation and delivery of assignments.

LITERATURE REVIEW AND HYPOTHESIS DEVELOPMENT

Lecturers and students as users of various kinds of e-learning learning system platforms currently in effect have certainly felt the benefits and advantages of each e-learning system as well as including the advantages and disadvantages of each. Here the author intends to identify, evaluate and Synthesis of Previous Research Taken Among Others.

1. Analysis of Student Satisfaction in Implementing Online Learning in the Covid-19 Pandemic Era (Appin, Yanuar & M.Yusuf, 2021).
2. Effectiveness of E-Learning on Student Learning Outcomes in Basic Social Science Concepts Courses (Tri Wardati, 2020).
3. E-Learning Development Moodle-Based at the Faculty of Teacher Training and Education, Mulawarman University (Mei Vita & Dewi Rosita, 2021).
4. Analysis of the Success of Implementing E-Learning at the Faculty of Engineering, University of Riau (Neni, Arif & Lilik, 2020).
5. Analysis of the Effectiveness of E-Learning-Based Learning Systems (Faridatun, 2017).

METHODS

This research is research based on a literature review of several research results at several campuses in Indonesia. The literature review was carried out with the aim of obtaining, among other things, the theories used, applications used, research techniques, and research materials used from previous research to arrive at conclusions for serve as a basis for further research.

Previous research that was used as the object of this research was obtained via Google Scholar in the period 2017 - 2022 or in the last 5 years, the search keywords on Google Scholar were e-learning lecture system analysis, the journal was published in 2017 - 2022 in Indonesian and available for free on the Google Scholar database.

RESULT AND DISCUSSION

This literature review research explains the e-learning lecture system from the perspective of effectiveness and achieving the aims and objectives of online class students using five previous research results which we describe as follows:

1. Title Analysis of the Effectiveness of E-Learning Based Learning Systems by Faridatun Nadziroh in 2021, Research Method used: Literature Study, Observation, Data Analysis, Conclusions and suggestions with the following results :

- E-learning is effective in improving the quality of learning, because the learning process is not limited to just one time and room.
- Commonly used e-learning systems are Edmodo, Moodle and Google Classroom.
- Moodle has more complete features than Edmodo and Google Classroom, it's just that Moodle requires hosting on its own server and an administrator as the main monitor.
- To maximize the features of e-learning, there needs to be training for students (students) and teachers (teachers/lecturers).
- A stable internet connection is needed so that e-learning can be accessed optimally.

2. Analysis of Student Satisfaction in Implementing Online Learning in the Covid-19 Pandemic Era by Appin Purisky Redaputri, Yanuar Dwi Prastyo, M. Yusuf S Barusman in 2021, the research method used was descriptive analysis with the following results :

- This research assesses the readiness of network infrastructure, the systems being implemented, the impact on students and the methods offered in online learning. The first is the readiness of network infrastructure, namely the extent to which students have network facilities to be able to access online learning. Starting from the tools used to an adequate internet network. Because quite a few students choose to return to their hometowns during the corona pandemic like this, and their area does not necessarily have a good signal. Furthermore, regarding 7 Lectura: Journal of Education, Vol.12 No. 1, February 2021 system that is implemented, online learning can be done with a variety of media options and methods. In this case, online learning at UBL uses UBLApps and is supported by other learning media.

3. Effectiveness of E-Learning on Student Learning Outcomes in the Basic Social Sciences Concepts Course by Tri Wardati Khusniyah in 2020 using experimental research methods with One Group Pretest Posttest Design, the following results were found:

- STKIP Modern Ngawi e-learning media facilitates student learning in basic social science concepts courses, especially material on the position of social studies in the 2013 curriculum independently and involves students in learning with quite high interactivity. Learning using e-learning media has proven to be effective in increasing students' understanding in basic social science concepts courses, especially material on the position of social studies in the 2013 curriculum. This is proven by an increase in the average achievement of students' cognitive learning outcomes after learning.

4. Development of Moodle-Based E-Learning at the Faculty of Teacher Training and Education, Mulawarman University by Mei Vita Romadon Ningrum and Dewi Rosita in 2021, the research method used is the Research and Development (R&D) procedure. To develop this research system, the SDLC (Software Development Life Cycle) model was used and the following results were obtained :
- The development of the e-learning system was built using the waterfall model. The result of the development of e-learning at the Faculty of Teacher Training and Education at Mulawarman University is an e-learning portal called E-Learning FKIP Mulawarman University which can be accessed online via the address https://elearningfkipunmul.com/. The system was built using blackbox and whitebox testing. The evaluation results show that during the research, the results of feedback from e-learning users were already in the GOOD criteria with a percentage of 81%.

5. Analysis of the Success of Implementing E-Learning at the Faculty of Engineering, University of Riau by Neni Seliana, Arif Imam Suroso, and Lilik Noor Yuliati in 2020 with research methods using the model used is the Delone and McLean model in 2013. This model is one of the models used used to measure the success of using information systems, by distributing questionnaires to respondents, while the results and conclusions are as follows :

- The conditions for successful use of e-learning in the Faculty of Engineering refer to the success measures determined in the Delone and McLean success model. The three measures of success according to Delone and McLean are success at the technical level, measured by the quality of the system and the quality of e-learning services at the Faculty of Engineering, Riau University. The semantic level is measured from the quality of e-learning information at the Faculty of Engineering, Riau University. Success at the level of system effectiveness is measured through system use, user satisfaction and net benefits obtained from the e-learning system at the Faculty of Engineering, Riau University.

6. Policy Analysis for the Use of E-Learning at Padang State University by Khairudin, Elvi Rahmi, Rose Rahmidani, Rusdinal, and Nurhizrah Gistituati in 2019. This research uses a descriptive quantitative approach with the following results :

- The research results indicate that the e-learning system will be used when the information provided by universities is of high quality and is useful for its users. A user will use e-learning if e-learning provides clarity regarding lecture material, e-learning provides details regarding lecture material, e-learning provides timeliness and clarity in presenting information, and se-learning uses accurate assessments. So students feel that e-learning is useful for them. On the other hand, when the quality of the information provided gets worse/lower, the use of e-learning in higher education will not be optimal. The second research finding shows that there is a positive influence and relationship between the use of e-learning on learning motivation. The findings of this research are in line with the opinion of Husamah (2014) where the learning process that uses e-learning makes students enthusiastic and independent in learning so that learn a lot of new things that can be used in their learning life.

The benefits of E-learning according to Pranoto, et al (2009:309) are: The use of E-learning to support the implementation of the learning process can increase students' absorption of the material being taught. Increasing active participation from students. Increasing active participation from students. The current implementation of lectures using the e-learning system aims to provide easier access but does not leave out the mechanisms and meaning of learning for lecturers and students who receive courses, where students and lecturers can still chat even though they are limited by distance and place, here students too can participate actively, just like in a face-to-face lecture in class.

To make it easier to understand the functions of e-Learning, here are 4 e-Learning functions grouped based on their use that you can implement at universities.

Learning as a supplement
The function of e-Learning as a supplement is when schools/universities implement educational methods with conventional models as the main model. This means that students still have to come to school to learn effectively and fully. Then, the teacher adds student learning time through additional learning via the e-Learning learning system. In this case, the institution makes e-Learning an additional form of learning that is not required in schools.

e-Learning is a complement or complement to learning
The function of e-learning as a complement is online learning provided by teachers to complement the material provided by conventional teachers. In this case, the teacher provides material through offline learning, but some resources must be opened by students through the online learning system. This was then refined into blended learning. This means that learning can be done online and offline.

e-Learning as a substitute

e-Learning as a substitute is of course very clear. This e-Learning function is a complete replacement for conventional learning methods. We have all experienced the beginning of COVID-19 some time ago. Where, all schools implement learning via e-Learning as a temporary substitute for offline learning to break the chain of the corona virus.

Key learning

The final function of e-Learning is as primary learning. This means that schools no longer implement an offline learning system. This has been very common abroad even before COVID-19 was around the world. The e-Learning learning method is considered more efficient and effective in providing material to students. With the support of videos and other multi-media, learning can be followed without reducing the quality of the material for students. The function of e-Learning as primary learning was then further developed into Flipped Classroom, where students follow the material at home via e-Learning, when they come to class, students explain the material to friends and the teacher who will then be corrected by the teacher. However, the flipped classroom is not the only result of development. Some can include materials and practices.

CONCLUSIONS

The e-learning lecture system implemented by several campuses turns out to be quite effective and can work well in terms of improving the quality of learning because the learning process is not focused only on one time and room, but can be done wherever you are even though an internet network and hardware devices must be available as The media, the learning platforms used include Edmondo, Moodle and Google Classroom.

ACKNOWLEDGEMENT

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