Implementation of Learning Management System (LMS) as Innovation in Management Learning In the New Normal Period

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Abstract: In the new normal era, the implementation of innovation in management learning is very necessary. Along with the development of technology in learning, learning can be done through online intermediaries that can connect students with their learning resources. Between students and learning resources, appropriate and appropriate management or management is needed. Therefore, it is necessary to develop a Learning Management System (LMS) at SMK N 4 Kota as an innovation in implementing management learning. This study aims to determine the feasibility of the Learning Management System (LMS) as an innovation in management learning. related to using the research method of literature study. Data collection techniques by compiling several previous studies to answer the feasibility of online Learning Management System (LMS) media that have been developed in management learning. The Learning Management System (LMS) test at SMK N 4 Kota is carried out by way of validation with the condition that the average percentage of the assessment is > 50% - 95% with good to very good qualitative. The conclusion in this study is that the development of a Learning Management System (LMS) in learning management is said to be feasible to use.

Keywords: Learning Management System (LMS), Implementation, Learning Innovation, New Normal

INTRODUCTION

In the new normal era, innovation in Management learning is very necessary. Student teaching staff have challenges in optimizing learning using technology, namely from manual learning to digital. Apart from that, student teaching staff must also be able to provide fun and innovative learning to overcome learning difficulties faced as well as collaborative learning media so that learning is not monotonous and can still provide an interactive learning atmosphere between teachers and students. Educational technology is a complex and integrated process that involves people, processes, ideas, equipment, and organizations to analyze problems, find solutions, implement, evaluate, and manage problem solving involving all aspects of human learning. Management has an important role in carrying out the process of SMK N 4 Kota school activities. The presence of management in the

schooling process is a tool to help facilitate the achievement of goals. Achieving school goals is influenced by many factors that must be considered in the process of SMK N 4 Kota school activities. To achieve institutional goals, good management processes are needed. As technology in learning develops, learning can be done through intermediaries who can connect students with learning resources. (Zabolotniaia et al., 2020)

An intermediary that can connect SMK N 4 Kota students with their learning resources, this intermediary is called e-learning. E-learning is an educational system or concept that utilizes information technology in the learning process. E-learning is a learning medium that can be used as a solution for carrying out online learning activities during the Covid-19 pandemic. In line with this, research results show that an independent learning system using e-learning has proven to be a learning solution during the Covid-19 pandemic. (Gemnafle & Batlolona, 2021)

Ideally in Permendiknas No. 41 of 2007 explains that learning process planning includes a syllabus and learning implementation plan (RPP) which contains subject identity, competency standards (SK), basic competencies (KD), competency achievement indicators, learning objectives, teaching materials, time allocation, learning methods , learning activities, assessment of learning outcomes, and learning resources. The components of the learning process planning must be arranged well. E-learning has several components, namely infrastructure, systems and applications, and content. The content and teaching materials in e-learning can be in the form of Multimedia-based Content (multimedia-based content) or Text-based Content (content in the form of text), this content is usually stored in: Learning Management System (LMS), so that it can be run by students anytime and anywhere. Management is a scientific discipline that is closely related to other scientific disciplines. Management science provides theoretical and fundamental input to learning management in terms of theoretical concepts and approaches in educational management. Therefore, in theoretical terms. (Suryapermana, 2017). Management science is an important basis for managing education related to learning. Learning is one effort to improve the quality of human resources, especially in educational institutions. Learning directs students to be able to develop thinking skills and the ability to master subject matter, where knowledge comes from outside themselves but is constructed within individual students at SMK N 4 Kota. (Safitri et al., 2020). Between students and learning resources, appropriate and appropriate management is required. In educational technology, the management process has a very important influence, without good management, it will affect the education system, while the focus of educational technology is to solve learning problems, which are directed and controlled and can be useful for humans. Apart from that, to manage the e-learning program at SMK N 4 Kota. A Learning Management System (LMS) is needed that is capable of managing the e-learning program. Therefore, developing e-learning media based on a Learning Management System (LMS) is important to produce learning media that can be used by students and student teaching staff in the learning process, especially learning in the new Normal period. (Hidayat et al., 2020)

Learning management is an important point of education that is included in school management, no matter how much school input is added or improved, the graduates will still not be optimal, if the learning management factor, which is a very strategic aspect in the teaching and learning process, is not given attention. In this case, teaching staff have a big role to play in encouraging or inhibiting innovation efforts, both those originating from outside and those arising from within learning in their schools. New developments in the view of teaching and learning have consequences for student teaching staff to increase their role and competence because the teaching and learning process and student learning outcomes are determined by the role and competence of student teaching staff. (Putri & Sulistyono, 2022). In reality, the Teaching and Learning Activities (KBM) process in the classroom takes place when the student teaching staff is teaching, sometimes most of the students are not able to participate in the learning optimally. Some 4 students have not been able to achieve the individual competencies needed to follow further education material. Also, some students have not learned to the level of understanding. Sometimes new students are able to learn (memorize) facts, concepts, principles, laws, theories and other innovative ideas at the memory level. They have not been able to use and apply it effectively in solving the daily problems they experience. One of the causes is student teaching staff who are not yet able to manage learning management in the classroom optimally. (Lestari et al., 2021)

LITERATURE REVIEW AND HYPOTHESIS DEVELOPMENT

Understanding Learning Management System (LMS)

It is a software unit that can comprehensively integrate features for delivering and managing a course, the Learning Management System (LMS) can automatically manage course catalog features, delivery of course materials and quizzes. Learning Management System (LMS) or Course Management System (CMS), also known as Virtual Learning Environment (VLE) is a software that can be used by teachers/lecturers at universities/colleges or in schools as an online learning medium. using the internet, the Learning Management System (LMS) is software that is used for administrative purposes, activity reports, teaching and learning activities and online activities, e-learning and training materials which are all carried out online. (Algipari et al. ., 2022)

Based on the understanding above, it can be synthesized that a Learning Management System or abbreviated as LMS is a software or software that is used in various kinds of activities such as administration, documentation, making activity reports, also including online learning processes connected to the internet. In the Learning Management System (LMS) there are features that are used during the learning process, so that the admin, teachers and students of SMK N 4 Kota (Irawati et al., 2019) can send or share material or information with each other, and they You can access it to download or upload material, as shown in Figure 1 below
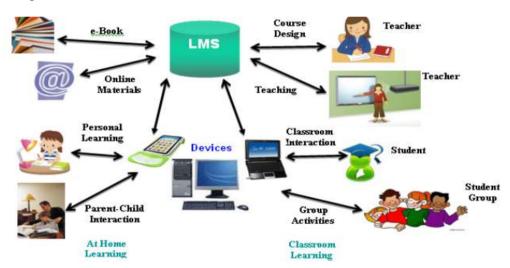

Figure 1. Learning Management System (LMS)

Literature study or literature study is a type of approach used in this research. Literature studies are carried out by collecting references consisting of several previous studies and then compiling them to draw conclusions. The compilation results of several previous studies are used to conclude the feasibility of a Learning Management System (LMS) in Management learning. (Munandar & Hadi, 2021). The data analysis technique used in this research uses a content analysis method which can be used to obtain valid inferences and can be re-examined according to the context. In the analysis, selection, comparison, combining and sorting will be carried out so that relevant ones are found. Checking between libraries and paying attention to the supervisor's comments is carried out in order to maintain the continuity of the process of evaluating, preventing and eliminating incorrect information which is a human misunderstanding that may arise due to a lack of bibliographic authors. (Pratama et al., 2022)

METHODS

Types of research

This type of research uses quantitative methods. At SMK N 4 Kota. Quantitative research can be interpreted as a research method used to examine the population of student teaching staff regarding the Learning Management System (LMS), sampling techniques are generally carried out randomly, data collection uses research instruments, data analysis is quantitative/statistical with the aim of testing hypotheses which has been set.

Place and time of research

Literature studies and research sites at SMK N 4 Kota are the types of approaches carried out in this research at SMK N 4 Kota. Literature studies are carried out by collecting references consisting of several previous studies and then compiling them to draw conclusions. The compilation results of several previous studies are used to conclude the feasibility of a Learning Management System (LMS) in Management learning at SMK N 4 Kota. With a duration of 1 month in 2022, the data analysis technique used in this research uses a content analysis method which can be used to obtain valid inferences and can be researched again according to the context at SMK N 4 Kota. In the analysis, selection, comparison, combining and sorting will be carried out so that relevant ones are found. Checking between libraries and paying attention to the supervisor's comments is carried out in order to maintain the continuity of the process of evaluating, preventing and eliminating incorrect information which is a human misunderstanding that may arise due to a lack of bibliographic authors.

RESULT AND DISCUSSION

Implementation of Online Learning through Elearning Based on the Moodle Learning Management System (LMS) Implementation of the learning process cannot be separated from stages. Online learning implemented at SMK N 4 Serang City goes through 3 stages, namely the planning, implementation and evaluation stages. Since the beginning of planning and designing e-learning, the school has chosen to use the Moodle Learning Management System (LMS) as one of the software in developing e-learning at SMK N 4 Kota. Moodle was chosen as the platform for E-learning, which was the first step in planning online learning carried out at SMK N 4 Kota. Thanks to the approval of the school principal and cooperation between the head of the curriculum and the IT team, the school succeeded in implementing E-learning in the current online learning situation. . The implementation of online learning through E-learning based on the Moodle Learning Management System (LMS) can be counted since the beginning of the pandemic and has been seen in the 2021/2022 school year that E-learning at SMK N 4 Kota. it's ready to use.

In reviewing the literature on the development of a Learning Management System (LMS), this was done by collecting several articles as literature via Google Scholar. After the literature was collected, the researcher analyzed the validation results from experts to determine the feasibility of the Learning Management System (LMS) that had been developed. The study regarding the feasibility of the Learning Management System (LMS) as an innovation in management learning contains how the Learning Management System (LMS) can be said to be feasible. Testing of the Learning Management System (LMS) is carried out by means of validation with the provision that the average assessment percentage is > 50% - 95% with good to very good quality.

Empirical studies that have been carried out by several researchers at SMK N 4 Serang City regarding the feasibility of a Learning Management System (LMS) include: Development of Learning Media Based on an LMS (Learning Management System) stated that the Covid-19 pandemic hampers the face-to-face learning process, so that LMS (Learning Management

System)-based e-learning development needs to be carried out. The method used in this research is the ADDIE development method, which first analyzes the needs of SMK N 4 Kota students in learning during the Covid-19 pandemic situation. (Simanullang & Rajagukguk, 2020) The analysis carried out includes learning media analysis, student analysis, teacher analysis, learning resource analysis, and task analysis. In the second stage, the design stage is carried out by designing components to develop media, including flowcharts, storyboards and use cases, as in Figure 2 below.

Figure 2. Discussion forum

Evaluation will be a measure of the success of learning management and the success of SMK N 4 Kota students in achieving predetermined learning goals. In this section the teaching and learning process is evaluated to determine the extent of mastery of the subject matter by students at SMK N 4 Kota and to determine the effectiveness and efficiency of the learning that has been implemented. To find out whether students have mastered the material being taught, a posttest needs to be held as the end of the teaching process. The forms and types of tests used can vary, but they are still guided by the learning objectives that have been set. In learning, it is also necessary to pay attention to theories about learning in carrying out the learning process using E-Learning media, so that learning objectives are achieved well, there are three main learning theories. that underlies e-learning, namely the theories of behaviorism, cognitivism, and constructivism. As technology develops, the world of education is of course also affected. Especially during the New Normal period, education is emphasized using online technology rather than manually or offline. During the New Normal period, learning was carried out offline even though health protocols were implemented. Of course, the use of technology in education is not simply abandoned or abolished. Because after all technology is also needed in learning. Innovations in learning are starting to be related to technology. Innovation in learning aims to ensure that learning is not monotonous and can still provide an interactive learning atmosphere between teachers and students at SMK N 4 Kota. After analysis, several studies previously described show that the average validation results from material experts and media experts are 50% - 95% and in the good-very good category. Apart from that, the Learning Management System (LMS) can also be a learning innovation to create planned learning objectives. Thus, the media developed in the form of a Learning Management System (LMS) can be said to be feasible and can be used as an innovation in mathematics learning in the New Normal period. In planning the concept of implementing online learning based on the Learning Management System (LMS) Moodle, students of SMK N 4 Serang City are able to properly access E-learning during learning, with the user and password that have been given, and are able to work on the questions given by the teaching staff. students and are able to access all the material provided. This is proven by an interview with the deputy principal of SMK N 4 Kota in the curriculum section that the concept of online learning via E-learning is actually like lessons in general, the difference is that learning is accessed online and not face to face. "The point is that students are able to do their own attendance and on time, students can access and explore all available material, students can submit assignments directly, whether quizzes, tests and so on."

CONCLUSIONS

Based on the compilation and analysis of the development of the Learning Management System (LMS) that has been discussed, the use of technology in education has not been abandoned. Technology can be used as an innovative learning media, especially in management subjects. Apart from that, the average validation results from material experts and media experts are 50% - 95% and in the good-very good category. Therefore, the media developed in the form of a Learning Management System (LMS) can be said to be feasible and can be used as an innovation in management learning in the new normal era.The online learning process using the Learning Management System (LMS) implemented at SMK N 4 Serang City clearly requires a curriculum, syllabus and lesson plans. According to the deputy principal for the curriculum department, he explained that the curriculum used at SMK N 4 Serang City was the 2013 Curriculum.The implementation of online learning cannot be separated from the curriculum and IT team at SMK N 4 Serang City. So a platform was created, namely E-learning. There is no special way to use E-learning, but all the features available in Moodle Learning Management System (LMS) based E-learning are complete enough to support all learning processes.

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