

Classroom Management In The Digital Era: The Use Of Learning Management System (Lms) In Improving Learning Quality

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Abstract: *The topic of this article is about classroom management in the digital era using the Learning Management System (LMS). Classroom management continues to undergo changes that are designed in accordance with digital developments in order to meet the needs of students. The development of digitalization has made new innovations in classroom management. In the independent curriculum, students have the freedom to learn and varied teaching media adapted to technological advances. This is of course to fulfill the learning objectives to be achieved. The purpose of this research is to find out the use of Learning Management System (LMS) in classroom management to improve the quality of learning. The writing method in this article uses a library research method that takes data sources from relevant theories. From this method, it produces a research that can be known that the learning model with the help of LMS can effectively improve the quality of learning and improve the results and motivation of students in learning. LMS is also very helpful for teachers in organizing learning. Teachers can do planning, implementation, and evaluation more easily and all learning activities are well recorded.*

Keywords: Classroom Management, Digital, Learning

1. INTRODUCTION

The world of education is now entering the digital era, school management and learning environments are designed in accordance with digital developments in order to meet the needs of students. Learners are one of the challenges in the world of education because of the demands of the times. This is also a challenge for educators to pay more attention to the conditions or characteristics of students. Here the role of classroom management as an activity process service in the field of student affairs, which is planned to assist students in efforts to grow and develop students.

The class is a gathering place for students and teachers in order to get teachings from the teacher, therefore as a class manager the teacher should be able to manage the class well (Djabidi, 2017: 30). In this case, educators must have a strategy in managing an effective classroom. Starting from motivating student learning, as an educator is very instrumental in fostering and helping student achievement. Educators must be able to support the atmosphere of the learning process of students. As a form of supporting learning activities, management is needed to organize and facilitate learning activities in the classroom and to improve the quality of education starting from the classroom. The concept is called classroom management.

Classroom management itself according to Majid (2012: 299) is the skills and abilities that must be possessed by educators to help create a conducive atmosphere for optimal learning and restore it if there are obstacles in the teaching and learning process. Classroom management in the digital era includes the use of technology to improve the effectiveness and efficiency of the teaching and learning process. Digital transformation in education offers a range of tools and strategies that can help teachers better

manage the classroom, increase student engagement and create a more dynamic learning environment.

In this study, researchers used the Learning Management System (LMS) in classroom management. The use of Learning Management System (LMS) has become one of the important aspects of classroom management in the digital era. LMS provides an integrated platform for teachers and students to manage, present, and interact with learning materials. LMS is a term for an online system that is applied to manage online classes such as providing materials and evaluations, checking the progress made by students in working on materials and tests, interacting audio-visually with students, and various other learning activities integrated in the system.

In the previous literature, research conducted by Widayoko (2021) examined the use of LMS for high school physics lessons, concluding that the level of student participation in attending lessons was very good. This is followed by the timeliness of collecting assignments by students according to the target. In this learning, the role of the teacher is very important in monitoring the learning process (Putra et al., 2020).

Alfina (2020) in her research concluded that the use of LMS as a tool in online learning provides great benefits in guiding students to master materials in a structured and independent manner. With the help of LMS, students can optimize their learning results and motivation which can be seen from the survey results which state that the majority of students answered that they were happy and very happy with the learning assisted by LMS.

Wiragunawan (2022) from the results of the study showed that the LMS-assisted learning model can effectively improve the results and motivation of students in learning. LMS is also very helpful for teachers in

organizing learning. Teachers can do planning, implementation, and evaluation more easily and all learning activities are well recorded.

From the literature, in general, the research results have similarities, which LMS makes it easier for teachers to design and assess the learning process and also LMS is very helpful in supporting learning. Classroom management in the digital era offers many advantages, including increased efficiency, personalized learning, and better collaboration. However, its successful implementation depends on choosing the right tools and a deep understanding of how to use them effectively. In the digital era, there is a need for innovation in classroom management, one of the methods is the use of Learning Management System LMS which makes it easier for educators to manage effective classes in this digital era.

Based on the background described above, educators are required to be able to manage the classroom properly in accordance with digital developments, so that the learning process can run effectively and achieve learning objectives. Therefore, the author is interested in conducting research entitled "Classroom Management in the Digital Age: The Use of Learning Management System (LMS) in Improving the Quality of Learning"

2. RESEARCH METHODS

This research is designed to find out the use of Learning Management System (LMS) in classroom management. This research uses a library research method that takes data sources from relevant theories. The writing design of the literature study refers to the content of the literature review. So data from papers, both from books, journals, and scientific conference articles related to the problems and objectives of the article will be analyzed and then carried out the analysis process to get answers to the writing of this article.

3. RESULTS AND DISCUSSION

1. Classroom Management in the Digital Age

Classroom management in the digital era includes the use of technology to improve the effectiveness and efficiency of the teaching-learning process. Along with the times, classroom management continues to undergo changes tailored to the needs of students, therefore there is a need for new innovations in learning management. Based on research conducted by Purnasari and Sadewo (2021) "the development of the digital era forms a new pattern in learning that occurs in schools so that adaptations must be made quickly".

Classroom management in the digital era means implementing classroom management by utilizing technology seen from the functions of classroom management, namely: 1) as class planning; 2) as class organization; 3) as class leadership; 4) class control. From

this function, educators can implement it by utilizing technology in managing an ideal classroom. (Karwati et al., 2014: 5, cited in Djabidi, 2017: 52)

The term classroom management itself consists of two words management/management and classroom. Management means: 1) controlling, organizing; 2) taking care of, running; 3) managing (Djabidi, 2017: 60). Another word for management is management, management itself according to Terry & Leslie (1992: 10) "management is a district process consisting of planning, organizing, actuating and controlling performed to determine and accomplish stated objectives by the use of human being and others resources". From Terry's opinion, it can be concluded that management is a process consisting of planning, organizing, moving and supervising which is carried out as a means to achieve goals by utilizing personal or material resources, people or objects in terms of achieving planned goals.

While the definition of class in an educational perspective is a group of students who are in the same place and time, receive the same subject matter, and are sourced from the same educator (Priansa, 2015: 74). Based on this understanding, what is meant by class is if there is a group of students at the same time and also educators who carry out teaching and learning activities in schools and other educational institutions.

From these two words "management" and "class" can be defined as teaching and classroom management activities carried out by educators in an effort to help the learning process and achieve learning objectives. From this class management there is another term, namely "class management" the word management can be interpreted as "management". Classroom management itself is a skill and ability that must be possessed by educators to help create a conducive atmosphere in optimal learning and restore it if there are obstacles in the teaching and learning process (Majid, 2012: 299).

When referring to the digital era, classroom management does not have to be in the classroom, educators are not only required to manage a conducive classroom but educators are also required to create a teaching and learning process for the digital generation to improve the quality of learning. One of the solutions to overcome these problems is blended learning that combines direct learning and e-learning so that it allows students to repeat and deepen learning materials anytime and anywhere. Effective digital and non-digital learning models produce complete learning. This kind of learning is a demand for the implementation of the independent learning curriculum that is being carried out by the government in accordance with era 4.0. (Pohan, 2021)

Improving the quality of learning is a major goal in education. Good learning quality can be seen from various aspects, including teaching effectiveness, student engagement, learning outcomes and student satisfaction. Learning quality can be defined as the intensity of the

systemic and synergistic interrelationships of teachers, students, curriculum and teaching materials, media, facilities, and learning systems in producing optimal learning processes and results in accordance with curricular demands (Suparno, 2004: 7).

If classroom management is carried out effectively, it can make a major contribution to improving the quality of learning. With good classroom management, teachers can minimize problems in the learning process. By maximizing the use of digital era technology, students can improve learning outcomes by mastering 21st century competencies or skills. Learning through LMS is believed to play a role in helping students to master competencies and improve learning quality.

2. Learning Management System (LMS) in Classroom Management

Learning Management System (LMS) is a form of innovation in learning that is a software application used for administration, documentation, reporting, automation, and delivery of a learning process (Ellis, 2009). The use of Learning Management System (LMS) has become one of the important aspects of classroom management in the digital era.

The selection of LMS in learning is inseparable from its advantages. LMS can be accessed by learners at any time according to their free time. In addition, learning is not limited to one place because learning can be from anywhere. This factor makes students' interest and completeness higher in learning. This statement is reinforced by the results of Jarot's research (2021) which states that Blended Learning combined with LMS is able to increase student motivation which directly also makes student learning outcomes increase. Teaching materials on the LMS can be added with varied content such as text, audio, images, and videos which makes the teacher more free in combining materials. In addition, students are also more interested in providing material with various types so that it is not boring in learning.

Some examples of frequently used LMSs are:

- 1) Moodle: Moodle is a powerful learning management system that transforms classroom management by simplifying student tracking and creating a more engaging learning experience. Using Moodle makes it easy for teachers to create new courses and organize learning structures, including add modules, sub-modules, and topics. In addition, in Moodle educators can also organize learning materials in a weekly format, by topic, or any other format that suits the learning needs that can upload various types of materials such as PDFs, Word documents, Power Point presentations, videos, and links to external sources.
- 2) Google Classroom: Google Classroom is a free

platform provided by Google to support digital classroom management. It facilitates interaction between teachers and students and helps in organizing learning materials, assignments, and communication. Google Classroom facilitates efficient classroom management and supports a collaborative and organized learning environment. The platform makes it easy for teachers to provide materials, grade assignments, and communicate with students, while students can access everything they need in one place. Based on the results of Sabran and Sabara's research (in Ely Satiyasih Rosali, 2020), learning using google classroom media is overall quite effective with a trend level of 77.27%.

- 3) Canvas: Canvas is a Learning Management System (LMS) platform widely used in higher education and secondary schools to support digital classroom management. It allows educators to easily create new classes and organize course structures. Canvas allows the organization of modules, units, and topics according to the curriculum. To manage multiple classes that have the same material, Canvas provides a blueprint courses feature that allows synchronization of content to various classes. Canvas provides features to create quizzes and surveys with various question types such as multiple choice, essay, and short answer. This application has quite complete features compared to other platforms in managing classes digitally.
- 4) Schoology: According to Putri et al., (2014), said that Schoology is a site that combines social networking and Learning Management Systems. On this platform can create learning classes and interact with each other. Schoology helps teachers in opening wide communication opportunities to students so that students can more easily take part in discussions and teamwork. In addition, Schoology is also supported by various forms of media such as video, audio and images that can attract student interest. In the results of research (Pohan, 2021) through the application of the Schoology-based Blended Learning model in learning the pandemic period in the current digital era can overcome the problem of limited space and time in learning so that students can be more optimal in understanding learning concepts by utilizing existing technological developments and leaving face-to-face learning in the classroom.
- 5) Belajar.id: Learning accounts launched by the Ministry of Education and Culture through

Pusdatin in 2020. These accounts can be used by students, educators and education personnel to access electronic learning services. This learning account is intended to support learning activities for learning from home and subsequent face-to-face learning. The belajar.id account is a learning account for students, teachers and education personnel established by the Government of Indonesia through the Ministry of Education and Culture (Kemendikbud) (Jdih.kemdikbud.go.id, 2020). In the belajar.id account, there are various applications that support learning activities from home such as video calls, education report cards, teaching independence applications, online storage, online classes, chromebooks, online presentations, online forms, online documents, SIMPKB, number processors, Tanya BOS, and learning houses.

4. CONCLUSIONS

Classroom management in the digital era includes the use of technology to improve the quality of learning. As the times of classroom management evolve Learning management continues to change according to the needs of students, therefore there is a need for new innovations in learning management. Based on the results of the analysis of the literature found regarding the use of Learning Management System (LMS) in classroom management, found some data in accordance with the research theme which says the use of LMS gets results in improving the process and quality of learning.

Learning Management System (LMS) has an important role in improving the quality of learning by providing various features and benefits that can be optimized by educational institutions, teachers, and students. Teaching materials on the LMS can be added with varied content such as text, audio, images, and videos that make teachers more free in combining materials. There are several platforms such as Moodle, Google Classroom, Canvas, Schoology, Belajar.id. Platforms provide various features that can be adjusted to the needs of learners and the learning objectives to be achieved.

5. LITERATURE

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