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Innovative E-Learning Strategies of Islamic Religious Teachers

A case study at a public faith-based high school in Jambi, Indonesia

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ABSTRACT

The success of a learning process depends on the strategies educators use, including skills in presenting face-to-face and virtual lesson material, such as e-learning. This research aims to determine teachers' strategies in the Islamic Religious Education learning process by implementing e-learning as a learning medium at a public faith-based high school in Jambi, Indonesia. This research uses a descriptive qualitative approach. Data collection techniques are carried out through observation, interviews, and documentation. The research subjects were Heads of schools, Islamic religious education teachers, and students. Data analysis techniques follow Miles and Huberman's phases. The research results show that the use of e-learning as a learning medium involves three stages of learning planning before implementation, followed by learning implementation, where the teacher delivers the material and uses PowerPoint. Finally, the teacher evaluates learning by giving assignments and daily tests.

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Introduction

Teacher strategies in the world of learning are a series of activities using e-learning methods and learning media to utilize various sources of strength during the learning process. Teacher strategies in the world of learning are arranged to achieve the students' goals. Thus,

the initial preparation or design of learning steps utilizes various facilities to achieve learning objectives [1]. So, teaching strategy is a real challenge for teachers, which is the teacher's practice of carrying out teaching in a way that is considered more effective and efficient. Having a teaching design will provide a high level of influence on the effectiveness of learning for students. In practice, educators are encouraged to provide modified changes and influence students to encourage student achievement in better and more effective learning. In other words, teaching strategies are politics or tactics that teachers use in the learning process in the classroom.

Developments in the era of globalization have had a very significant impact on the world of education. One of them is the use of e-learning as a learning medium. E-learning is a media that can be utilized in the learning process, not only by uploading lesson material to students but also can changing the abilities of various competencies possessed by students [2]. The teaching and learning process is a communication activity between teachers and students exchanging ideas by developing ideas for the learning process. During the learning process, ineffective communication often occurs due to teachers providing methods and media during the learning process which tends to be monotonous [3].

More diverse teaching methods require students to be more actively involved in the learning process. They not only listen to the teacher giving explanations, but also engage in various activities such as watching videos, looking at pictures, participating in hands-on practice, and demonstrating their understanding. However, sometimes both teachers and students do not realize that they are trapped in the traditional pattern where the teacher only lectures and the students only listen. Students tend to only process information by listening, memorizing, and completing exercises based on what they have memorized. Because of this, it is rare for anyone to try to understand and find the meaning behind the material taught by the teacher [4].

Islamic religious education teachers at a faith-based high school (*madrasah*) in Jambi, Indonesia are also expected to have various strategies and designs in the learning process, especially in the subject of Islamic Religious Education. Educators can improve students' abilities in using e-learning as a learning medium, with e-learning students can study material very flexibly. In the learning process, four components are very important and influence the success of students, such as teaching materials, learning atmosphere, learning media and learning resources, and the teacher being the learning subject. Teachers must be able to develop learning strategies by paying attention to the aspects listed above. One of them is that an educator can choose methods and prepare learning media that is appropriate to the learning material he is teaching.

Teachers need learning media that when delivering material can be absorbed by students more quickly and easily adapt to current developments. Learning media is a tool that must be used in the teaching and learning process because e-learning is an inseparable part of the teaching and learning process to achieve students' educational goals and learning objectives in schools in particular. Learning media tools can be actual objects, such as pictures, charts, graphs and so on contained in the media [5].

Teachers at school use e-learning as an learning medium. In this case, it involves the use of electronic devices connected to the internet to explain lesson material which can be called e-learning as a learning medium. The aim is to help teachers and students in the learning process, overcome face-to-face limitations, and get students used to using electronic media such as laptops or cell phones for learning. Therefore, educators need to pay attention and think about how to overcome challenges in the learning process through e-learning as a learning medium. This involves identifying the factors causing the problem as well as appropriate solutions. Educators also strive to improve learning by implementing innovation to increase learning effectiveness and achieve learning goals optimally.

The focus of the problem in this research is to find out how the process of implementing. islamic religious education learning madrasah in Jambi regarding the strategies of Islamic religious education teachers in the learning process through E-learning, supporting factors and impacts faced as well as solutions from teachers in the learning process through E-Learning. Many methods, media, and learning strategies can be produced by researchers in the learning process so that the learning process takes place well and on time to achieve the goals and competencies that have been set in learning by the education unit.

One thing that is urgent for educators to pay attention to is the development of virtual teaching, namely the process of student learning using the internet using e-learning methods. E-learning is an effective learning process that is created by developing content that is delivered digitally using facilities and infrastructure that support learning. In the current digital era, e-learning has become the main foundation of educational transformation. Through various online platforms, e-learning allows wider and more flexible access to education, especially for those who are constrained by time constraints. This approach has also strengthened the role of students in the learning process by emphasizing their independence and initiative in searching for and understanding lesson material [6].

Methods

The method applied in this research is a descriptive qualitative research method, which records descriptive data in the form of written or spoken words and observable behavior. This research uses field research. Data collection techniques were carried out through observation, interviews, and documentation of objects or subjects studied objectively. The research subjects

were the Head of Madrasah, an Islamic Religious Education Teacher, and three students. The data analysis technique according to Miles and Huberman [7]–[9] uses qualitative data analysis consisting of data reduction, data presentation, and concluding. However, in this research, data collection and reduction were carried out simultaneously, namely by recording important things. Then present the data by explaining or narrating it so that conclusions are obtained that answer the research statement. In mixed research, the two methods are combined, thereby realizing clearer accuracy, and conducting discussions that are supported by related theories from references that have been collected and support the researcher's research [10].

Results and Discussion

A. Strategy in Implementing E-learning

A teacher must continue to develop learning strategies and methods to create active and interesting classes for students. An active class produces a positive impact and high energy on students because they are eager to learn. Effective education places students at the center of learning, not just focusing on the teacher. One learning model that can be used is the Moodle and e-exam [11]**.** E-learning has become a very important innovation in the learning process. This is not only related to delivering material to students but can change their abilities in various aspects of competency. As a learning medium, e-learning has a very significant role and has a big impact on the world of education which previously had many weaknesses, such as limited space and time in the learning process which emphasized the effectiveness of learning. With e-learning, the learning process can occur flexibly, allowing access anywhere and anytime. Apart from that, giving assignments to students can also be done efficiently through this platform [12].

Learning through e-learning emphasizes efficiency in the learning process to ensure students receive complete learning without requiring direct interaction and can be accessed from various locations and times, according to the assignment schedule set by the teacher with a predetermined time limit [13]. In practice, learning involves the execution of plans that have been prepared previously. This process involves implementing steps and learning strategy approaches that have been selected to provide an optimal learning experience, to achieve success in achieving learning objectives.

Implementation of a new learning system has a broad impact, including on student learning outcomes. Teachers need to continue to strive to provide learning using effective methods so that student's understanding of the subject matter can be improved so that they can improve their overall learning outcomes [14]. The following are the stages of implementing

e-learning as a learning medium for Islamic Religious Education subjects at MAN 2 Merangin Jambi as follows:

1. Learning Planning

According to Kaufman, planning refers to the process of setting goals and targets to be achieved, as well as how to arrange steps that are considered effective and efficient to achieve them. Meanwhile, according to Terry, planning is defined as determining tasks or work that must be carried out by a group to achieve predetermined goals [15]. At MAN 2 Merangin, the e-learning learning process uses the Moodle application and exams. Moodle is a learning platform designed to provide facilities for educators, students, and administration in one main system. Teachers provide materials in various formats such as videos, files, PowerPoint presentations, images, and also links. After that, the teacher gives assignments that are appropriate to the material being taught. The aim of implementing e-learning is as a way to complete the learning process outside of school with flexible time. Before starting the teaching and learning process, the first step that educators need to take is to create a lesson plan to be implemented with students. Educators will prepare material that will be delivered to students via a Moodle application, which is part of the learning process using e-learning. The material is prepared by looking for references through various sources such as Google or YouTube so that students do not feel bored when learning using worksheets. Learning methods are very important in the learning process. Learning should be carried out in an interesting way that can arouse students' interest in learning effectively. One way to make students more active and effective is to use e-learning, apart from that it can also be done through Google Forms, lecture and practice methods, and discussions. After explaining the material, students are then divided into several groups to discuss learning with the help of fellow student tutors [16].

2. Learning Implementation

According to George R. Terry, the implementation of learning cannot be separated from efforts to motivate students so that they try to achieve their goals optimally according to plans, as well as leadership coordination. This shows that the success of learning is very dependent on the extent to which these goals can be achieved, and this depends on the actions of all elements involved in the teaching and learning process, from management to levels that receive less attention. These activities must have a clear direction because undirected actions will waste energy, costs, time, and resources available in management tools [17]. Planning is a systematic process of deciding to act. In achieving a particular goal or result, the planned action begins with the most important thing that must be done, namely making a thorough plan. Every learning activity always requires a plan before

carrying out the learning or what is often called a lesson plan. This is very important to do to make it easier for teachers to convey learning material to students and the learning objectives can be achieved optimally. Likewise in the implementation of e-learning at MAN 2 Meragin.

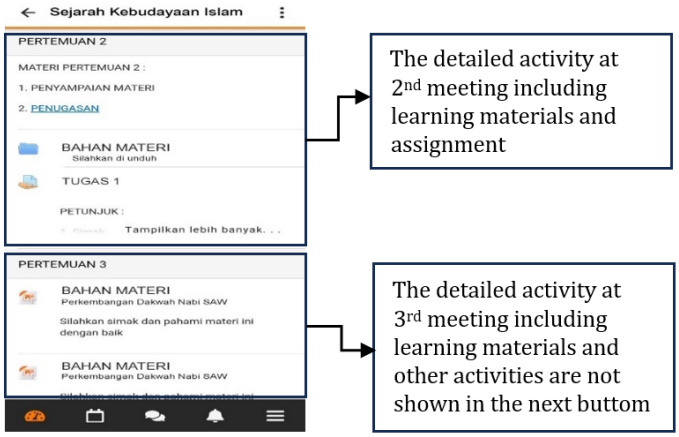


Fig. 1. Learning implementation

Fig 1. The image above gives students access to download lesson materials and complete assignments givn by the teacher



Fig. 2 Learning implementation situation

Fig. 2 The picture above shows the learning process using e-learning media to achieve learning objectives

3. Learning Evaluation

Learning Evaluation has two main aspects that cannot be separated, namely the roles of teachers and students. For teachers, this evaluation is very important to evaluate the extent to which the teaching provided is by the objectives of the institution, the methods used, learning strategies, and the material presented. Meanwhile, for students, evaluations are carried out to provide teachers with an overview of the shortcomings and weaknesses

experienced in learning and to show what material is not well understood [18]. As for the evaluation of e-learning learning, it only teaches the tasks contained in e-learning, student worksheet, educators also carry out daily tests at the end of the chapter discussion of learning, educators also carry out evaluations with assignments sourced from the LKS and in the e-exam application. Students take exams in their respective classes using each person's cell phone. If they are unable to attend they will not receive final semester grades. For those who do not have more internet quota, the madrasah has provided wifi facilities for final assignment submission. Technically for collecting assignments, Islamic Religious Education teachers are required to send assignments via Moodle according to the subject being taught. Every time in the final exam, they do assignments using the e-exam application on their cellphones and educators supervise students during the exam, for fear that someone will misuse the cell phone.

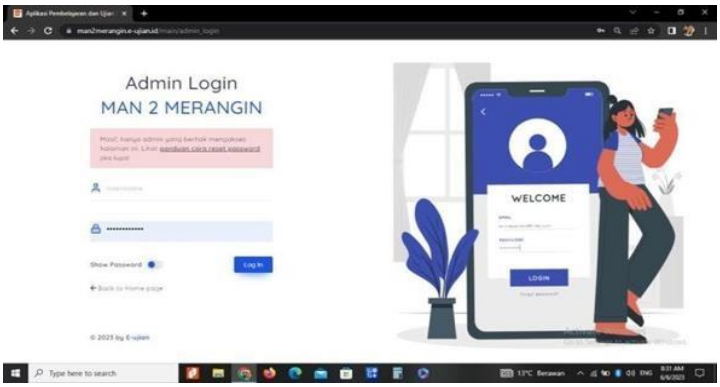


Fig. 2. The e-exam application

Fig. 3 This image shows the homepage of the e-ujian application, students can access the material and assignments in it.

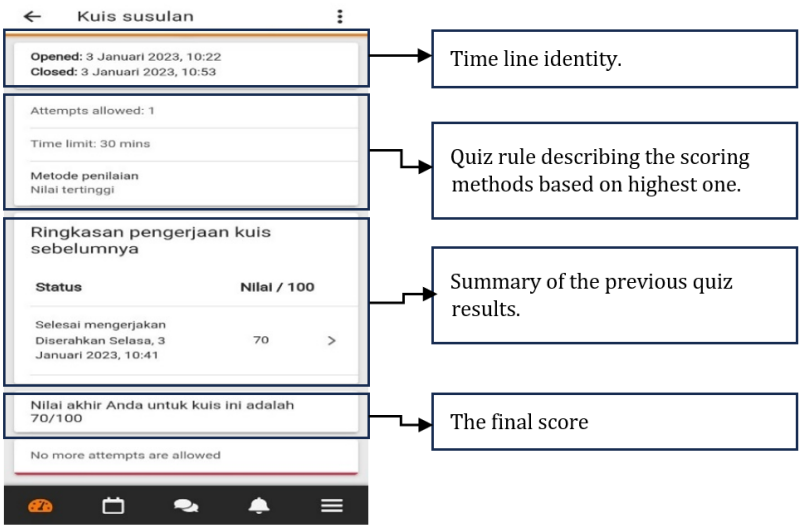


Fig. 3. Learning evaluation page

Fig. 3 shows the results of a quiz on a digital learning platform. Fig. 4 shows a learning evaluation that shows student learning outcomes and assessments of learning.



Fig. 4. Classroom situation during learning evaluation

The overall summary of the application of learning using e-learning is in Table 1.

Table 1. Learning management

No.	Learning management	Implementation
1.	Plan	Lesson plan Student worksheet Reference Book
2.	Implementation	Uploading Videos, Material Links, Moodle Applications, e-exams, Web
3.	Evaluation	Assignments, Daily Tests via application

From Table 1, its implementation, teachers use lesson plans, worksheets, and textbooks, as well as using video materials and links to materials on the web. Apart from that, there are several methods of evaluating assignments, for example, on Assessment Day students work on questions from the student worksheet (one type of aid in learning) and material links that have been explained. Assessment day is a day to evaluate learning where the teacher gives students a final assignment or final exam. As an educational institution, the use of new programs in the implementation of education is certainly inseparable from efforts to optimally achieve a learning goal. Likewise, the use of Moodle-based eLearning is expected to achieve learning objectives optimally. The implementation of Moodle-based e-learning turned out to have a positive impact on students.

B. Factors that Influence the Implementation of E-learning

The teacher is the most important factor in implementing learning because the teacher is the one who manages the learning process to run effectively and efficiently.

1. Facilities and Infrastructure in the school

School infrastructure and facilities are also supporting factors in implementing e-learning-based Islamic Religious Education learning. Providing adequate facilities such as comfortable classrooms and good WiFi access, can support teachers in carrying out the learning process. Teachers can start online learning sessions on time and are not hampered by internet network problems [19]. The school provides internet access at maximum speed to facilitate learning, and as a result, teachers and students have creativity so that children are increasingly interested in learning. Apart from that, parents also provide support by giving cell phones to their children for their learning needs. However, in the e-learning learning process, not everyone uses learning media, some teachers still use presentations or assignments in textbooks. This is because teachers must choose a material that is suitable for e-learning. With this e-learning learning media, students do not experience difficulties in learning, which means students are very happy to use e-learning as a learning process in class. Students are also very familiar with the existence of learning media in schools because according to them the application helps students to understand the material more deeply and can access the application as desired, although if there are problems you can convey them in the comments column on e-learning, moodle or similar, for those who find it difficult [20]. This is by experts who say that learning media is a very important tool in the learning process both at school and outside the classroom. In more detail, e-learning as a learning media is part of learning resources or physical facilities that contain material among students that can stimulate students to study [21].

2. Student's Facilities and Infrastructure

Apart from supporting factors, there are also inhibiting factors in the process of implementing PAI learning using e-learning. The limited facilities and infrastructure that students have is a factor inhibiting the implementation of Islamic Religious Education learning. These facilities and infrastructure include devices such as gadgets and laptops, as well as networks which are often unstable due to the students' remote location. In the online learning process, both teachers and students use Moodle WhatsApp, and e-exams which can be accessed via cellphone or laptop. However, to use this application optimally, a stable internet connection is needed so that the learning process is not interrupted by connection loss so that learning can take place well.

3. Student participation/motivation

The role of teachers in motivating students is very important, especially for students who have weak motivation and students who are enthusiastic. With a little help, the motivation given by the teacher will take root in the hearts of the students. Therefore, the fact is that teachers who provide motivation more often are more liked by their students. This is the result of interactions that influence each other so that it can motivate the learning process so that it can run as it should [22]. Education is basically about growing students' potential and human resources by encouraging and facilitating their desire to learn. One of the main ways to do this is by motivating students in the learning process. Providing motivation means moving students to do or want to do something. The return to learning, even with online learning, cannot fully restore enthusiasm or motivation to learn [23]. This includes causing the learning subject to feel that the needs and desires to do something in learning have been met. Many students today lack the motivation to learn. This can be seen from the attitude of some students who lack focus when learning, lack of attention to the teacher when delivering the material, and failure to complete the tasks given by the teacher. Many students still experience difficulties in writing lesson material. This deficiency is caused by a lack of student interest and motivation in learning, and the teaching methods previously used were still too monotonous so they were unable to arouse students' learning motivation adequately. Apart from that, the lack of adequate facilities and infrastructure also has an impact on the effectiveness of student learning [24].

C. The Role of Teachers in Implementing E-learning

E-learning has significant differences from conventional learning in the classroom, so it requires teachers to be more active in monitoring the progress of each student. Bramle [25], [26] emphasizes that teachers who implement e-learning need to have basic skills in using computers and software. They must also be skilled in operating the e-learning portal or website use, as well as understanding the selection of learning software that suits their needs. Apart from that, teachers need to maintain their connection with the latest technological developments so they can use them effectively in the learning process [27], [28]. To create a creative and innovative learning atmosphere in the current era, teachers can utilize technology by maximizing the use of the internet to access various information, which is often referred to as e-learning. The role of teachers in e-learning is very important because they are responsible for managing the learning process. Therefore, teachers need to have skills in using both hardware and software to support the implementation of learning [29]. Teachers also play an important role in preparing teaching materials or learning materials online so that students can upload them. Teachers must also be skilled in processing virtual learning based on an e-learning system. The teacher's job is not only as a facilitator but to facilitate and direct students

who experience difficulties and need help during the learning process. Teachers must have techniques, strategies, or learning methods that can support e-learning. The need for teachers to increase motivation in utilizing e-learning is very important therefore it is an inevitable aspect of their work. By meeting their needs in this regard, teachers will feel more motivated to carry out their duties with greater enthusiasm. The importance of collaboration and interaction between Islamic Religious Education teachers and other teachers is very important in providing guidance and training regarding the use of e-learning to fellow teachers. Additionally, students can interact via platforms such as Zoom to monitor their attendance and level of engagement during the e-learning learning process. If there are absent students, the teacher will contact them directly by telephone to identify problems and deliver learning material.

Conclusion

Implementation of e-learning has three stages in implementing learning, namely the planning, implementation, and evaluation process. In the learning planning process, the teacher prepares a Learning Plan and prepares material, looking for appropriate material which will be sent via the Moodle application. In addition, in implementing learning, teachers upload material to Moodle and provide links or articles for students to read and study. Learning evaluation is carried out by giving assignments and testing students' understanding through daily tests. The factors that influence the implementation of e-learning in Islamic studies teacher strategies are the facilities and infrastructure at the madrasah, the facilities for students, and the lack of interaction between teachers and students. The success of e-learning is supported by maximum interaction between educators and students, between students and various educational facilities, between students and other students, and the existence of active learning patterns in these interactions.

Conflict of Interest

The authors declare that there is no conflict of interest.

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