WEBSITE-BASED E-LEARNING INFORMATION SYSTEM AT MA AMALIYAH SUNGGAL

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Abstrak: *Kemajuan pembelajaran seharusnya sangat mempengaruhi kemajuan suatu bangsa. Upaya penerapan teknologi khususnya teknologi komunikasi data dalam pembelajaran salah satunya adalah sistem pendidikan dengan menggunakan media internet yang biasa dikenal dengan e-learning. Dengan e-learning, akan lebih mudah untuk mendapatkan modul pendidikan tanpa membayar. Prosedur pengembangan yang digunakan peneliti adalah prosedur prototype dalam melaksanakan penelitian ini. Prosedur prototipe adalah prosedur yang menggunakan pendekatan sistematis dan berurutan mulai dari tingkat pendefinisian kebutuhan sistem hingga pemeliharaan. Dimana prosedur untuk porotype memiliki 5 tahapan; Komunikasi, Perencanaan, Pemodelan, Konstruksi, dan Pengiriman. Hasil penelitian menemukan bahwa lebih dari 80% responden melaporkan bahwa sistem ini mudah digunakan, sistem ini memiliki menu yang lengkap, dan sistem ini dapat digunakan untuk belajar mandiri di rumah, dan lebih dari 75% responden melaporkan bahwa sistem ini dapat meningkatkan kualitas pembelajaran. Dengan kesimpulan tersebut, tujuan dari penelitian ini telah tercapai.*
Kata kunci: *Sistem Pembelajaran, E-learning, Web.*

Abstract: The progress of learning should significantly affect the progress of a nation. Efforts to implement technology, especially data communication technology in learning, one of which is an education system using internet media, commonly known as e-learning. With e-learning, it will be easier to get educational modules without paying. The development procedure used by the researcher is a prototype procedure in carrying out this research. The prototype procedure is a procedure that uses a systematic and sequential approach starting from the level of defining system requirements to maintenance. Where the procedure for the porotype has 5 phases; Communication, Planning, Modeling, Construction, and Delivery. The results find that more than 80% of respondents reported that this system is easy to use, this system has a complete menu, and this system can be used for independent study at home, and more than 75% of respondents reported that this system can improve the quality of learning. With these conclusions, the objectives of this research have been achieved.
Keywords: Learning System, E-learning, Web.

A. Introduction

Along with the development of data technology, various services can often meet data needs. Data technology makes data processing more straightforward. Processing is necessary so that the data generated can be useful to its users. Processing information into data in well-managed institutions can help and support management and operational activities with the implementation of data systems. Learning is the interaction of students with educators and learning resources in a learning environment that includes teachers and students exchanging information. Therefore, learning must go well so that information can be conveyed. Educators who cannot attend will interfere with the delivery of learning materials. Likewise, students who cannot attend will miss the learning materials provided by educators (Robbi & Yulianti, 2019).

The use of technology on data systems can provide access for users anywhere online so that the perceived limitations can be minimized and support operational performance at the institution. The tried access is pursued with a website-based data system that functions meaningfully in information and data management. One of the uses of information technology in education stems from the problems above, namely by building learning applications, which

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are often referred to as E-Learning (Susanto & Ayu, 2017). MA Amaliyah Sunggal is a learning institution that upholds teaching and learning activities to create valuable future human energy sources.

This research aimed to build a website-based e-learning system at MA Amaliyah Sunggal to make it easier for students to get modules that can be accessed anywhere and anytime and make it easier for teachers to share modules with students. With information technology, e-learning can provide teaching materials and store learning instructions that can be accessed anytime and anywhere. Moreover, E-learning does not require a large space like conventional classrooms (Hutagalung et al., 2019).

B. Research Methods

The method used in this study used the Ma Research and Development method, a research method used to produce a certain product, test the effectiveness of the product, and develop a new product or improve an existing product.

C. Results and Discussions

The login page interface has a form that students can use by inputting a username and password.

Student Main Page View

Figure 1. Student Main Page View

Class Data Menu Page View

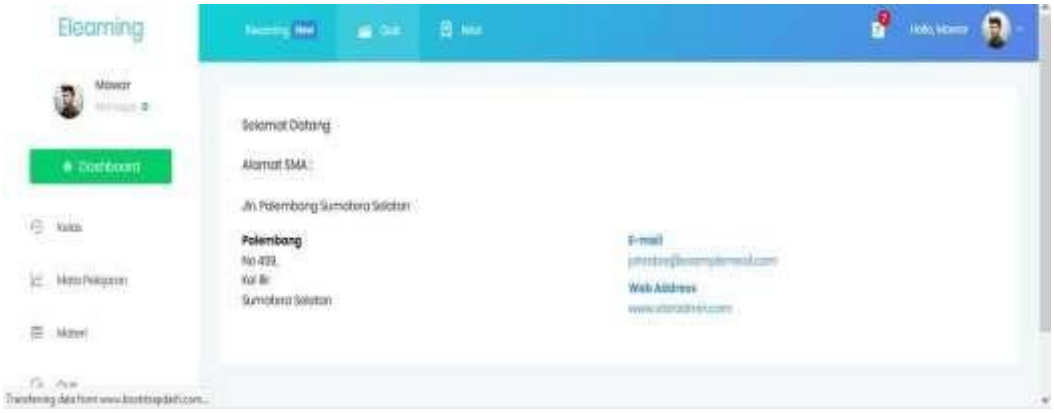

Figure 2. Class Data Menu Page View

Subject Page Views

Figure 3. Subject Page Views

Material Data Menu Page Vi

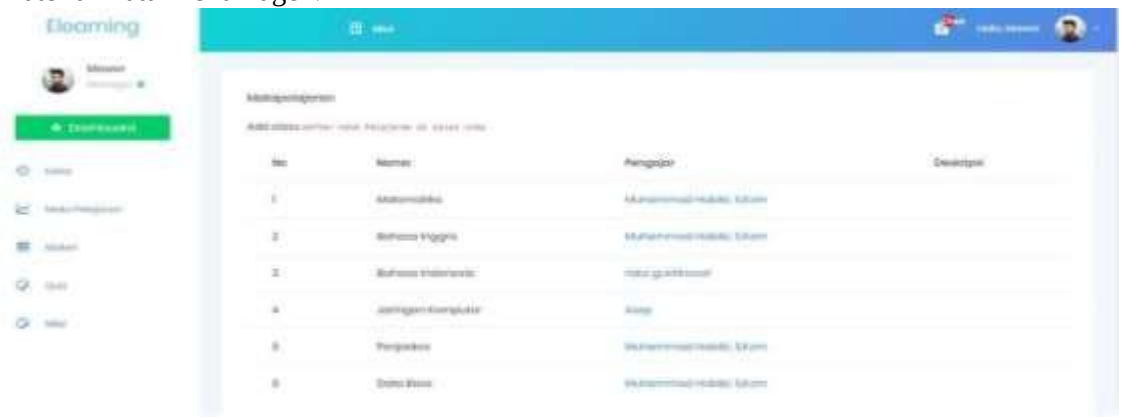

Figure 4. Material Data Menu Page

Material File Page View

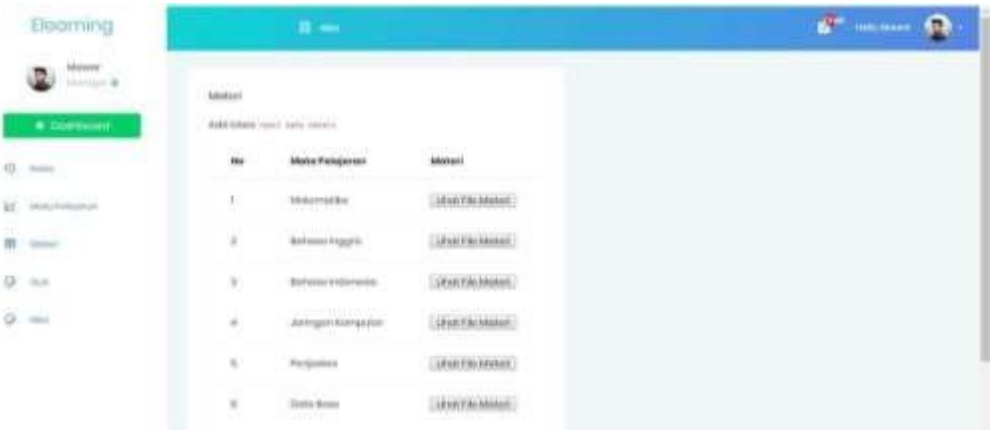

Figure 5. Material File Page

D. Conclucion

Based on the results of the analysis and discussion of the system in the previous chapters, it can be concluded that the e-learning information system at MA Amaliyah Sunggal produces the form of: Make it easier for students to get the learning materials teachers to

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provide through E-Learning. Provide convenience in providing information to students and teachers regarding the schedule of exams or quizzes for activities to be carried out. Make it easier for teachers and students to discuss lesson material problems through the discussion board that has been provided. Make it easier for teachers to provide material to students who may rarely ask questions.

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