Evaluation of the XRecorder Application via Video on Learning Al-Islam and Muhammadiyah in the Middle of the Covid-19 Pandemic

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Abstract

The purpose of the research is to evaluate E-learning in Al-Islam and Muhammadiyah 1 academic year 2020/2021 courses, where the website application provides learning data and information that can be accessed by students or students, without having to face the teacher. E-learning forms of Al-Islam and Muhammadiyah learning through XRecorder on WhatsApp at the Muhammadiyah University of Enrekang. Learning Al-Islam and Kemuhammadiyahan uses an Online learning system (E-learning) that is centralized and integrated into an information system based on the Moodle LMS (Learning Management System) website, to help students studying at the University of Muhammadiyah Enrekang in the lecture process and make it easier to get material and information related to Al-Islam and Muhammadiyah courses, in making the XRecoreder system on WhatsApp. The research method collects data and information about lecture materials as well as students and lecturers from the recorder via WA and the You Tube link. The results of the learning evaluation research found that XRecorder on WhatsApp supports the E-learning learning process, so it can be concluded that with the XRecorder application via Video it can make it easier for students to access information and lecture materials and lecturers in carrying out the lecture process at Muhammadiyah of Enrekang University.

Keywords: XRecorder; video; Learning; Al-Islam and Kemuhammadiyahan; Application

Introduction

In the midst of the very rapid development of information technology known as the Industrial era 4.0. The need for accurate, precise and relevant information is very much needed to provide convenience and success in data processing and provision of information needed in the era of the challenges of the Covid-19 pandemic that hit the world. The Internet is one of the information technology systems that has experienced a significant increase, because the processing and provision of information can be accessed quickly and has the accuracy of information that can be accounted for, this can be seen from the increasing number of internet users around the world. E-learning can be

interpreted as an online learning system, where the website application provides learning data and information that can be accessed by students or students, without having to face the teacher, therefore we intend to design and build of learning process an Al E-learning method system, (Haslinda, dkk.,2020). The concept of Al-Islam and Kemuhammadiyahan at the University of Muhammadiyah Enrekang, which so far we consider that the lecture system is not optimal, (Umiyati Jabri, dkk., 2020), so that the existence of this E-learning application can help lecturers and students in the lecture process, as well as the convenience for students to obtain Information and superior material offered in this system is that it is not too expensive in the design process because it uses free applications (open source) (Meutia, et.all., 2020), information speed and does not require the lecture process in class, students can simply access these applications via the internet, we can interact like lectures in class, (Mustakim, et.all., 2020). This application also provides materials, quizzes, exams and assessments that are designed automatically, so that it can produce an effective and efficient and quality learning method.

Definition of E-Learning

E-learning stands for Electronic Learning, which is a new way of teaching and learning using electronic media, especially the internet as a learning system, (Djafar, dkk., 2020). E-learning is the basis and logical consequence of the development of information and communication technology, (firawati, 2020). Some experts try to describe the meaning of e-learning according to their respective versions, including: Jaya Kumar C. Koran (2001) e-learning is any

teaching and learning that uses electronic circuits (LAN, WAN, or the internet) to convey learning content, interaction, or guidance. (Kamarga, 2018) that e-learning is an asynchronous learning activity through computer electronic devices that obtain learning materials according to their needs.

Understanding PHP.

PHP is an open source web programming language, PHP code can be combined with HTML code to form a dynamic web page, in the web concept, if a web browser accesses a file with pure HTML code, the web server will send the accessed file in full without There is a prior process for the code used in the file, in contrast to the PHP file, the web server will send the PHP file to a compiler program (in this case the PHP compiler) for immediate processing, the PHP compiler will send the results of the process to the web server to be immediately sent back to the accessing program. This will make it easier for website builders to develop dynamic websites, in this case a website that can respond to what is requested by each accessing program.

Understanding MySQL

MySQL is a software SQL database management system (English: database management system) or DBMS that is multithreaded, multi-user, with about 6 million installations worldwide. MySQL AB makes MySQL available as free software under the GNU General Public License (GPL), but they also sell it under a commercial license for cases where usage is incompatible with GPL usage.

Discussion

Muhammadiyah is the Islamic movement amar ma'ruf nahi mungkar, in its movement in the form of reform

or tajdid in the religious, social, social and educational fields, in Islamic teachings it is only Allah SWT.

Muhammadiyah is one of the Islamic organizations that has the characteristics of renewal in carrying out its preaching in society with the aim of bringing the life of the Islamic community to a better direction (Yasdar, et. all., 2020). Muhammadiyah's mission in its da'wah movement is carried out by taking the lead in renewing the understanding of Islam, reforming the Islamic education system, developing social service facilities, and empowering the community, (Wijaya, dkk., 2020).

Al-Islam Kemuhammadiyahan started its movement by placing education as one of the spearheads of its preaching work, (Eskarya, dkk., 2020). It can even be said that education is the power that determines the development of Muhammadiyah, (Faisal, et.all., 2020). This strength does not lie in the school model or madarasah that he founded, but in the strength in the spirit and understanding of Islam in Muhammadiyah education, (Hasnidar, et.all., 2020). Furthermore, this understanding is addressed as Al-Islam and Kemuhammadiyahan. The integral part of kemuhammadiyahan itself includes a variety of material points, including meaning, purpose, objectives and scope.

MOODLE application

The Moodle (Modular Object-Oriented Dynamic Learning Environment) application was first developed by Martin Dougiamas in August 2002 with Moodle Version 1.0. Dougiamas made Moodle just for a hobby, although at the end of the story, he also made the hobby as a thesis to get a PhD from Curtin University of Technology in Perth, Australia. The dedication, innovation, and contribution to open source of the Moodle software are phenomenal. Moodle is still leading the way as free software to build community websites that support website-based learning processes. Moodle's pedagogical principles are firmly held as it helps educators create online educational communities. This software can be used by teachers or educational institutions. Also potentially used by individuals to build online courses.

Research Method

Protyping method as a new paradigm in information system development, is not only an evolution from existing information system development methods, but also a revolution in the development of management information systems. The stages used in the prototype methodology include: a) Identifying User Needs. b) Developing the Prototype c) Determining whether the prototype can be accepted or not d) Using the Prototype, (Zaharias,et. all,.2009.).

Results and Discussion

The Al-Islam and Muhammadiyah E-learning application at Enrekang Muhammadiyah University using XRecorder via Video on Al-Islam and Muhammadiyah Learning through the Learning Management System is an online learning application created to help students get material without having to meet face to face in the lecture room, application It also provides information about course materials, grades and contains tests and exams for students, which are designed automatically, so as

to produce an effective and efficient and quality learning method, (Syaparuddin, 2020). This application is very useful for lecturers in carrying out the lecture process, where the lecturer only provides material in the application without having to meet face to face in front of the class, (Husni, 2020).

Use of E-Learning Applications. The following is how to create an e-learning application using Moodle CMS. Preparing the required software, namely: a) XAMPP b) Moodle CMS Installation and Application Development Process: a) Installing Xampp (Apache web server), as supporting software for making e-learning applications offline (localhost) The next step, simply by pressing the button Next until the installation process is complete. b) Installing Moodle CMS Software, which is an application used to build an online learning system, by extracting the Moodle file into C / xampp / htdoc, then open a web browser (mozilla firefox), and create a database.

Moodle Installation Process The next step is simply to follow the installation instructions until the installation process is complete. The following is a picture after completing the Moodle CMS installation process (initial view of the E-learning page): c) Setting the main e-learning application page starting from the display before login and after login such as theme, application title, language to access rights. Creation of course categories, materials and quizzes for the benefit of e-learning, (Pachev, 2007).

Prototype can be accepted or not. For more details, some questions are needed for users to find out the advantages and disadvantages of the application being made, the results of these questions can be seen in the table below. Using Prototype. The final stage of the prototype is an application that has been tested and repaired ready for use by the user, here is how to use the Elearning AlisIam and Kemuhammadiyahan applications.

Conclusion

Aplikasi dapat digunakan XRecorder melalui Video dapat digunakan oleh oleh seluruh mahasiswa Universitas Muhammadiyah Enrekang pada sebagai media pembelajaran, selain materi yang siberikan dalam tatap muka di ruang kuliah. 2) Aplikasi ini dapat digunakan dimanapun dan kapanpun disesuaikan dengan kondisi, dimana bisa digunakan secara offline dengan memanfaatkan LAN (Local Area Network),ataupun dengan cara On line memanfaatkan teknologi internet. 3) Metodologi yang digunakan dalam pembuatan aplikasi ini adalah metode prototype , karena melibatkan pengguna dalam perancangan tampilan interface dan isi content.

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