

INTISARI

Penerapan Pembelajaran Secara *E-Learning* Berbasis *Website* Pada SMA Muhammadiyah 1

SMA Muhammadiyah 1 dalam proses belajar mengajar SMA Muhammadiyah perlu adanya peningkatan pelayanan karena di era sekarang teknologi dirasa sangatlah berkembang pesat. Pada SMA Muhammadiyah belum memiliki sistem pembelajaran secara *online* seperti *e-learning*, hal ini akan menjadi kesempatan dan alasan dilakukan pengembangan sistem, dengan adanya sistem *e-learning* akan membuat proses belajar dan mengajar guru serta murid/siswa disekolah tidak terbatas waktu dan ruang kelas. Berdasarkan peluang atau kesempatan pada SMA Muhammadiyah 1, maka penulis ingin mengembangkan sistem pembelajaran secara *e-learning* berbasis *website*.

Sistem informasi *e-learning* dibuat dengan memanfaatkan paket *learning management system* (LMS) *moodle* serta *Unified Modelling language* (UML) untuk pembuatan perancangannya. sistem informasi *e-learning* berbasis *moodle* dapat membantu meningkatkan pelayanan proses belajar mengajar tidak terbatas waktu dan ruang kelas, juga menjadi penunjang kegiatan proses belajar dan mengajar tatap muka dikelas, dengan *e-learning* yang telah dikembangkan proses belajar siswa akan lebih efektif dengan cara menggabungkan penyampaian materi secara digital yang terdiri dari dukungan materi belajar, layanan belajar, serta evaluasi hasil belajar yang mudah dan cepat. Pemanfaatan *e-learning* akan mampu mengkondisikan siswa untuk belajar lebih aktif dan mandiri serta dalam pelaksanaan pembelajaran dapat dilakukan secara individual atau kelompok, serta sistem yang dapat diakses dan dilaksanakan di kelas maupun diluar kelas dengan berbasis *online*. Pengujian sistem informasi *e-learning* telah dilakukan dengan pengujian menggunakan *ISO 25010*. Hasil pengujian *ISO 25010* memiliki *presentase* nilai sebesar 94,7% menurut skala *likert* untuk kelayakan perangkat lunak yang telah dikembangkan mempunyai skala "SANGAT BAIK" dan sangat layak sistem yang telah dibuat untuk diterapkan untuk SMA Muhammadiyah 1.

Kata Kunci : Sistem Informasi, E-Learning, *Rapid Application Development, Website*.

ABSTRAK

Website Implementation Of E-Learning Based On SMA Muhammadiyah

Muhammadiyah High School 1 in the teaching and learning process at Muhammadiyah High School needs to improve services because in the current era technology is considered to be developing very rapidly. Muhammadiyah High School does not yet have an online learning system such as e-learning, this will be an opportunity and reason for system developers, with the existence of an e-learning system it will make the learning and teaching process for teachers and pupils at school not limited by time and classroom space. Based on opportunities or opportunities at SMA Muhammadiyah 1, the author wants to develop a website-based e-learning learning system.

The e-learning information system was created by utilizing the Moodle learning management system (LMS) package and the Unified Modeling Language (UML) for its design. Moodle-based e-learning information systems can help improve teaching and learning process services without being limited to time and classroom space, as well as supporting face-to-face teaching and learning process activities in class, with e-learning that has been developed the student learning process will be more effective by combining delivery. digital material consisting of learning material support, learning services, and easy and fast evaluation of learning results. The use of e-learning will be able to condition students to learn more actively and independently and the implementation of learning can be done individually or in groups, as well as a system that can be accessed and implemented in class and outside of class on an online basis. Testing of the e-learning information system has been carried out by testing using ISO 25010. The ISO 25010 test results have a percentage value of 94.7% according to the Likert scale for the feasibility of the software that has been developed on a scale of "VERY GOOD" and the system that has been created is very feasible. applied to SMA Muhammadiyah 1.

Keyword : *Information Systems, E-Learning, Rapid Application Development, Websites.*

