

ABSTRAK

Pada sekolah SMK Muhammadiyah Mlati ada beberapa masalah yang dihadapi dalam proses pembelajaran, diantaranya proses kegiatan belajar mengajar di dalam kelas sangat terbatas singkatnya waktu dan banyaknya materi sehingga membuat proses kegiatan belajar mengajar kurang optimal, siswa hanya mendapatkan materi pembelajaran dari guru maupun referensi buku di perpustakaan sekolah, sehingga terjadi keterbatasan tempat dan waktu untuk mengakses. Siswa juga kurang dapat mengeksplorasi kemampuan mereka dalam memanfaatkan koneksi internet. Dari permasalahan di atas dapat dibangun sistem pembelajaran elektronik atau *e-learning* yang diharapkan menjadi solusi dalam mengatasi kendala pembelajaran di SMK Muhammadiyah Mlati untuk meningkatkan kualitas belajar mengajar sehingga mampu meningkatkan prestasi siswa dalam bidang pelajaran. Pembuatan aplikasi *e-learning* ini dapat membantu proses pembelajaran dalam mendapatkan materi pelajaran, mengirim tugas, ujian secara online. Aplikasi *E-learning* di SMK Muhammadiyah Mlati dibuat untuk kelancaran dalam proses pembelajaran. Proses pembuatan sistem ini meliputi perancangan database dan pengkodean serta membuat program aplikasi untuk mendukung sistem informasi *e-learning*.

Kata kunci: *E_learning*, aplikasi, prestasi

ABSTRACT

Muhammadiyah Mlati Vocational School faces several problems in the learning process, including the process of teaching and learning activities in the classroom which is very limited in time and the amount of material so that the teaching and learning process is less optimal. Students only get learning material from the teacher and reference books at the school's library, resulting in the limited space and time to access. Students are also less able to explore their ability to utilize internet connections. From the problems above, it can be built an electronic learning system or *e-learning* which is expected to be a solution to overcome the obstacles of learning in Muhammadiyah Mlati Vocational School to improve the quality of teaching and learning so as to improve student achievement in the field of learning. The making of this *e-learning* application can help the learning process in getting subject material, sending assignments and online examinations. *E-learning* applications at Muhammadiyah Mlati Vocational School are made for fluency of the learning process. The process of making this system includes database design and coding as well as creating application programs to support *e-learning* information systems.

Keywords: *E_learning*, application, achievement