INTISARI

Peningkatan teknologi informasi dan komunikasi telah membawa perubahan signifikan dalam bidang pendidikan. Pendidikan online atau e-learning menjadi salah satu alternatif bagi para pelajar dan mahasiswa dalam mengejar pendidikan tanpa harus hadir di kelas fisik. Tujuan penelitian ini untuk menerapkan pengembangan modul e-learning berbasis metode Extreme Programming dalam LMS Odoo 16.0 guna meningkatkan interaksi dan memantau proses pembelajaran online. Metode Extreme Programming digunakan sebagai dasar pengembangan system yang mengintegrasikan aplikasi website course dan LMS Odoo 16.0 dengan efektif. Penelitian ini telah di uji menggunakan UAT, hasil UAT bahwa semua fitur berhasil dijalankan yang ada di system. Hasil penelitian menunjukan bahwa sistem mengintegrasikan aplikasi website course dengan baik, mengatasi masalah kurangnya interaksi langsung dengan instruktur yang sebelumnya menyebabkan minimnya keterlibatan peserta dalam diskusi kelompok atau sesi tanya jawab melalui modul diskusi. Sistem ini juga memungkinkan pemesanan produk berupa course melalui modul website, dengan pemilik dapat mengontrol pemasukan dari pemesanan course menggunakan modul sales dan mendapatkan laporan dalam format PDF. Selain itu, pemilik juga dapat mengelola admin dan mentor melalui modul employee.

Kata Kunci: Odoo LMS, ERP, Website Course, e-learning.

ABSTRACT

The significant advancement in information and communication technology has brought about notable changes in the field of education. Online education or e-learning has emerged as an alternative for students and learners to pursue their education without the necessity of attending physical classrooms. The aim of this research is to implement the development of an e-learning module based on the Extreme Programming method within LMS Odoo 16.0 to enhance interaction and monitor the online learning process. The Extreme Programming method is employed as the foundational framework for system development, effectively integrating the website course application and LMS Odoo 16.0. The research underwent User Acceptance Testing (UAT), and the results indicated that all features within the system were successfully executed. The findings demonstrate that the system effectively integrates the website course application, addressing the issue of insufficient direct interaction with instructors that previously resulted in limited participant engagement during group discussions or QA sessions through the discussion module. Additionally, the system allows for product reservations in the form of courses through the website module, enabling the owner to control revenue generated from course bookings using the sales module and obtaining reports in PDF format. Moreover, the owner can manage administrators and mentors through the employee module.

Keywords: Odoo LMS, ERP, Website Course, e-learning.