ABSTRAK

Abrar Radan Kartiko, 2024. **Pengembangan Sistem Informasi Learning Management System Untuk Peningkatan Pengalaman Belajar Siswa/Mahasiswa**. Tugas Akhir, Program Studi Sistem Informasi (S1), STIKI – MALANG, Pembimbing: Adnan Zulkarnain, S.Kom., M.M.S.I.

Kata kunci: Sistem Informasi, Learning Management System (LMS), Belajar.

Pengembangan Sistem Informasi Learning Management System (LMS) bertujuan untuk mengatasi tantangan dalam pendidikan tradisional, seperti keterbatasan akses materi pembelajaran, keterbatasan sumber belajar, dan hambatan dalam melacak kemajuan siswa di era revolusi industri 4.0. Pengembangan LMS ini menggunakan metode waterfall yang meliputi analisis, desain, pengembangan, pengujian, dan implementasi, dengan fokus pada fitur manajemen materi dan pelacakan kemajuan. Melalui kuesioner yang melibatkan 24 siswa/mahasiswa dan 24 dosen, ditemukan bahwa mayoritas responden memberikan tanggapan positif terhadap LMS, menunjukkan minat tinggi pada adopsi teknologi dalam pembelajaran. Hasil analisis kebutuhan mengidentifikasi tiga pengguna utama sistem, yaitu admin, siswa/mahasiswa, dan mentor, dengan kebutuhan spesifik masing-masing. Implementasi LMS ini berhasil meningkatkan aksesibilitas materi, fleksibilitas waktu dan tempat belajar, serta kemampuan melacak kemajuan belajar. Dan menunjukkan bahwa pengembangan LMS memenuhi tujuan penelitian dan memberikan manfaat signifikan bagi siswa/mahasiswa dan dosen, dengan 100% siswa/mahasiswa dan 96% dosen mengakui manfaat LMS dalam meningkatkan pengalaman belajar.

ABSTRACT

Abrar Radan Kartiko, 2024. **Development of a Learning Management System Information System for Improving Student Learning Experience**. Final Project, Study Program Information System (S1), STIKI – MALANG, Advisor 1 : Adnan Zulkarnain, S.Kom., M.M.S.I.

Keyword : Informastion System, Learning Management System (LMS), Learn.

The development of a Learning Management System (LMS) aims to overcome challenges in traditional education, such as limited access to learning materials, limited learning resources, and obstacles in tracking student progress in the era of the industrial revolution 4.0. The development of this LMS uses the waterfall method which includes analysis, design, development, testing, and implementation, with a focus on material management and progress tracking features. Through a questionnaire involving 24 students and 24 lecturers, it was found that the majority of respondents gave positive responses to the LMS, indicating a high interest in technology adoption in learning. The results of the needs analysis identified three main users of the system, namely admin, students, and mentors, with their specific needs. The implementation of this LMS successfully improved the accessibility of materials, flexibility of learning time and place, and the ability to track learning progress. And it shows that the LMS development meets the research objectives and provides significant benefits to students and lecturers, with 100% of students and 96% of lecturers recognizing the benefits of the LMS in improving the learning experience.