

RANCANG BANGUN *LEARNING MANAGEMENT SYSTEM* (LMS) PADA KURSUS BAHASA ASING KHRUFAI BERBASIS WEB

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ABSTRAK

Kursus Bahasa Asing Khrufai masih menggunakan sistem manual untuk mengelola nilai, absensi, dan materi pembelajaran melalui berbagai *platform* seperti Google Form, Excel, dan WhatsApp. Kondisi ini menyebabkan proses administrasi menjadi tidak terpusat dan sulit dipantau. Penelitian ini bertujuan mengembangkan *Learning Management System* (LMS) berbasis web dengan metode *Rapid Application Development* (RAD) agar seluruh kegiatan belajar dapat terintegrasi dalam satu sistem. LMS ini dirancang untuk memudahkan pengajar dalam mengelola materi dan nilai, serta membantu siswa mengakses informasi pembelajaran secara teratur. Metode RAD digunakan melalui tahapan perencanaan kebutuhan, perancangan bersama pengguna, konstruksi, dan implementasi sehingga proses pengembangan dapat dilakukan secara cepat dan sesuai dengan kebutuhan pengguna. Sistem yang dibangun mencakup fitur pengelolaan kelas, distribusi materi, absensi, tugas, kuis, dan pengolahan nilai dalam satu *platform* terpusat. Hasil implementasi menunjukkan bahwa sistem berhasil mengotomatisasi dan mengintegrasikan proses pembelajaran yang sebelumnya dilakukan secara manual. Pengujian *User Acceptance Testing* (UAT) menghasilkan tingkat penerimaan sebesar 88,57% pada guru, 83,71% pada siswa, dan 80% pada admin, dengan rata-rata keseluruhan sebesar 85,1%. Hasil tersebut menunjukkan bahwa sistem dapat digunakan dengan baik oleh pengguna dan mampu memenuhi kebutuhan fungsional pembelajaran di Kursus Khrufai. Dengan demikian, LMS yang dikembangkan dapat mendukung proses pembelajaran dan administrasi secara lebih efektif, terstruktur, dan mudah diakses.

Kata kunci: Rancang Bangun, Pendidikan, *Learning Management System*, RAD, Kursus Bahasa, Web

DESIGN AND DEVELOPMENT OF A WEB-BASED LEARNING MANAGEMENT SYSTEM (LMS) FOR KHRUF AI LANGUAGE COURSE

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ABSTRACT

Khrufai Foreign Language Course still uses manual methods to manage grades, attendance, and learning materials through various platforms such as Google Forms, Microsoft Excel, and WhatsApp. This condition causes administrative processes to be fragmented and difficult to monitor. This study aims to develop a web-based Learning Management System (LMS) using the Rapid Application Development (RAD) method to integrate all learning activities into a single system. The LMS is designed to assist instructors in managing learning materials and student grades while enabling students to access learning information in an organized manner. The RAD method is implemented through the stages of requirements planning, user design, construction, and implementation, allowing the system to be developed efficiently and in accordance with user needs. The developed system includes features for class management, material distribution, attendance tracking, assignments, quizzes, and grade processing within a centralized platform. The implementation results indicate that the system successfully automates and integrates learning processes that were previously conducted manually. User Acceptance Testing (UAT) yielded acceptance rates of 88.57% among teachers, 83.71% among students, and 80% among administrators, with an overall average acceptance rate of 85.1%. These results demonstrate that the system is well accepted by users and effectively fulfills the functional requirements of the learning process at Khrufai. Therefore, the developed LMS can support learning and administrative activities in a more effective, structured, and accessible manner.

Keywords: Design and Development, Education, Learning Management System, Language Course, RAD, Web