

ABSTRAK

Sistem Penerimaan Murid Baru (SPMB) merupakan salah satu kegiatan administrasi yang sangat penting dalam lembaga pendidikan. Pondok Pesantren Riyadussalikin Yayasan Al-Masruhiyah yang berlokasi di Kecamatan Padaherang, Kabupaten Pangandaran, masih melaksanakan proses Sistem Penerimaan Murid Baru secara konvensional melalui pencatatan manual dan pengelolaan dokumen yang belum terintegrasi. Kondisi tersebut menimbulkan berbagai permasalahan, seperti keterlambatan pengolahan data, risiko kesalahan pencatatan, kesulitan dalam pencarian data, serta kurang efektifnya penyampaian informasi kepada calon murid. Penelitian ini bertujuan untuk mengembangkan Sistem Penerimaan Murid Baru berbasis web yang mampu meningkatkan efisiensi administrasi serta pengelolaan data pendaftaran di Pondok Pesantren Riyadussalikin Yayasan Al-Masruhiyah.

Metode pengembangan sistem yang digunakan adalah *Rapid Application Development* (RAD), yang terdiri atas tahapan *Requirements Planning*, *User Design*, *Construction*, dan *Cutover*. Sistem dikembangkan menggunakan *framework* Laravel dengan basis data MariaDB. Pengujian sistem dilakukan menggunakan metode *Black Box Testing* untuk memastikan seluruh fungsi sistem berjalan sesuai kebutuhan, serta *System Usability Scale* (SUS) untuk mengukur tingkat kemudahan penggunaan dan penerimaan sistem oleh pengguna.

Hasil penelitian menunjukkan bahwa Sistem Penerimaan Murid Baru berbasis web yang dikembangkan mampu memfasilitasi proses registrasi akun, pengisian formulir pendaftaran, unggah berkas persyaratan, verifikasi administrasi, pencetakan kartu pendaftaran, serta pemantauan status pendaftaran secara lebih efektif dan terintegrasi. Hasil pengujian *Black Box Testing* menunjukkan bahwa seluruh fitur sistem berfungsi sesuai dengan kebutuhan yang telah ditentukan. Sementara itu, pengujian menggunakan *System Usability Scale* (SUS) yang melibatkan 10 responden memperoleh skor rata-rata sebesar 75,5 yang termasuk dalam kategori *Good* dan *Acceptable*. Dengan demikian, sistem yang dikembangkan dinilai layak digunakan untuk mendukung pelaksanaan Sistem Penerimaan Murid Baru pada SMP Dharma Ksatria dan SMA Ksatria Nusantara di bawah naungan Pondok Pesantren Riyadussalikin Yayasan Al-Masruhiyah.

Kata Kunci: Sistem Penerimaan Murid Baru, *Rapid Application Development* (RAD), Sistem Berbasis Web, Laravel, *System Usability Scale* (SUS).

ABSTRACT

New Student Admission is one of the most important administrative activities in educational institutions. Pondok Pesantren Riyadussalikin Yayasan Al-Masruhiyah, located in Padaherang District, Pangandaran Regency, still conducts the new student admission process using conventional methods through manual record-keeping and non-integrated document management. This condition leads to several problems, including delays in data processing, a higher risk of recording errors, difficulties in retrieving registration data, and ineffective dissemination of information to prospective students. This study aims to develop a web-based New Student Admission System to improve administrative efficiency and registration data management at Pondok Pesantren Riyadussalikin Yayasan Al-Masruhiyah.

The system was developed using the Rapid Application Development (RAD) method, which consists of the Requirements Planning, User Design, Construction, and Cutover phases. The system was built using the Laravel framework and MariaDB as the database management system. System testing was conducted using Black Box Testing to ensure that all system functions operated according to the specified requirements. In addition, the System Usability Scale (SUS) method was employed to evaluate user acceptance and system usability.

The results of this study indicate that the developed web-based New Student Admission System is capable of facilitating account registration, online registration form submission, document upload, administrative verification, registration card generation, and registration status monitoring in a more effective and integrated manner. The Black Box Testing results showed that all system features functioned according to the defined requirements. Meanwhile, the System Usability Scale (SUS) evaluation involving 10 respondents achieved an average score of 75.5, which falls into the Good and Acceptable categories. Therefore, the developed system is considered suitable for supporting the implementation of the New Student Admission System at SMP Dharma Ksatria and SMA Ksatria Nusantara under the supervision of Pondok Pesantren Riyadussalikin Yayasan Al-Masruhiyah.

Keywords: *New Student Admission System, Rapid Application Development (RAD), Web-Based System, Laravel, System Usability Scale (SUS).*