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SISTEM INFORMASI PONDOK PESANTREN AL-ARIFIYAH KOTA PEKALONGAN. dibawah bimbingan Ibu INDRAYANTI, ST., M.Kom dan Bapak VICTORIANUS ARIES S., M.Si.

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ABSTRAK

Pondok Pesantren Al-Arifiyah Kota Pekalongan sebelumnya masih menggunakan metode manual dalam proses pendaftaran santri baru, yang menyebabkan berbagai kendala seperti ketidakteraturan data, proses yang lambat, dan risiko kehilangan data. Untuk mengatasi permasalahan tersebut, dikembangkan sebuah Sistem Informasi Pendaftaran Santri Berbasis Web dengan menggunakan framework CodeIgniter 4 (CI4) dan metode pengembangan perangkat lunak Extreme Programming (XP). Sistem ini dirancang untuk memfasilitasi proses pendaftaran santri secara online, termasuk pengunggahan dokumen seperti foto dan akta, validasi data, pengelolaan status pendaftaran, serta penyusunan laporan administrasi yang terstruktur. Proses pengembangan sistem melalui tahapan Extreme Programming meliputi planning, design, coding, dan testing. Pengujian dilakukan dengan metode white box, black box, dan User Acceptance Testing (UAT), yang menunjukkan bahwa sistem berjalan sesuai kebutuhan dan meningkatkan efisiensi kerja pengurus pondok. Dengan adanya sistem ini, proses administrasi pendaftaran santri menjadi lebih cepat, akurat, dan terdokumentasi secara digital sehingga dapat menunjang transparansi dan efektivitas pengelolaan data di Pondok Pesantren Al-Arifiyah.

Kata Kunci: Sistem Informasi, Pendaftaran Santri, Pondok Pesantren, Extreme Programming, Web

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ABSTRACT

Pondok Pesantren Al-Arifiyah in City Pekalongan previously relied on manual methods for new student registration, which led to several issues such as disorganized data, slow processing, and the risk of data loss. To address these challenges, a Web-Based Santri Registration Information System was developed using the CodeIgniter 4 (CI4) framework and the Extreme Programming (XP) software development methodology. This system was designed to facilitate the online registration process, including document uploads such as photos and birth certificates, data validation, registration status management, and structured administrative reporting. The development process followed iterative stages including planning, design, coding, and testing. The system was tested using white box, black box, and User Acceptance Testing (UAT) methods, all of which indicated that the system met the operational requirements and improved the administrative efficiency for the boarding school management. With this system in place, the student registration process has become faster, more accurate, and digitally documented, thereby supporting greater transparency and effectiveness in data management at Pondok Pesantren Al-Arifiyah.

Keywords: Information System, Santri Registration, Islamic Boarding School, Extreme Programming, Web-Based System.