INTISARI

Perancangan Sistem Informasi Monitoring Kehadiran Dan Target Generasi Muda (Studi Kasus: Yayasan Ibnu Harun Rosyid Kab. Sukoharjo) bertujuan untuk merancang dan mengimplementasikan sistem monitoring berbasis web yang dapat mengelola kehadiran dan pencapaian pembelajaran generasi muda di 39 masjid. Penelitian ini menggunakan metode prototyping dengan pendekatan mixed method yang menggabungkan analisis kualitatif melalui observasi dan wawancara, serta analisis kuantitatif menggunakan *Usability Testing* dengan Skala Likert. Analisis kebutuhan sistem dilakukan menggunakan metode PIECES (*Performance, Information, Economy, Control, Efficiency, Service*) dan sistem dikembangkan menggunakan *Framework* Laravel.

Hasil penelitian menunjukkan keberhasilan perancangan sistem terintegrasi dengan arsitektur hierarkis 4 level akses yang mencakup tiga modul utama: pengelolaan *database* generasi muda, sistem absensi berbasis *barcode*, dan monitoring pencapaian pembelajaran Al-Qur'an dan Hadist. Implementasi *pilot project* berhasil dilaksanakan di Wilayah Desa Utara 2 yang mencakup 7 masjid dengan 382 data generasi muda, sementara sistem mampu mengelola total 1.506 data generasi muda dari seluruh yayasan dalam *database* terpusat. Hasil *Usability Testing* menunjukkan tingkat penerimaan sangat baik dengan skor rata-rata 4,51 dari skala 1-5.

Sistem informasi monitoring yang dikembangkan berhasil mengatasi permasalahan sistem manual *existing* dan telah siap untuk implementasi menyeluruh di seluruh wilayah yayasan. Penelitian ini memberikan kontribusi dalam pengembangan sistem informasi berbasis web untuk monitoring kegiatan organisasi multi-lokasi, khususnya dalam pembinaan generasi muda di lingkungan keagamaan.

Kata kunci: sistem informasi, monitoring kehadiran, generasi muda, teknologi *barcode*, *framework* Laravel

ABSTRACT

The Design of Information System for Monitoring Attendance and Target Achievement of Young Generation (Case Study: Ibnu Harun Rosyid Foundation, Sukoharjo Regency) aims to design and implement a web-based monitoring system that can manage attendance and learning achievement of young generation across 39 mosques. This research uses prototyping method with mixed method approach that combines qualitative analysis through observation and interviews, as well as quantitative analysis using Usability Testing with Likert Scale. System requirements analysis was conducted using PIECES method (Performance, Information, Economy, Control, Efficiency, Service) and the system was developed using Laravel Framework.

The research results show the successful design of an integrated system with hierarchical architecture of 4 access levels comprising three main modules: young generation database management, barcode-based attendance system, and Al-Qur'an and Hadith learning achievement monitoring. Pilot project implementation was successfully carried out in North Village Region 2 covering 7 mosques with 382 young generation data, while the system is capable of managing a total of 1,506 young generation data from the entire foundation in a centralized database. Usability Testing results show very good acceptance level with average score of 4.51 from 1-5 scale.

The developed monitoring information system successfully addresses existing manual system problems and is ready for comprehensive implementation throughout the foundation areas. This research contributes to the Development of web-based information systems for monitoring multi-location organizational activities, particularly in young generation Development in religious environments.

Keyword: information system, attendance monitoring, young generation, barcode technology, Laravel framework