

ABSTRAKSI SKRIPSI

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SISTEM ABSENSI SISWA SMP ISLAM MENGGUNAKAN QR CODE, dibawah bimbingan dosen Much. Rifqi Maulana, S.Kom., M.Kom. dan Anas Syaifudin, S.Kom.

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ABSTRAK

Proses absensi di SMP Islam Pekalongan masih dilakukan secara manual sehingga sering terjadi keterlambatan rekap data, risiko kehilangan catatan, dan ketidakefisienan dalam pengelolaan kehadiran siswa. Penelitian ini bertujuan membangun sistem absensi siswa berbasis QR Code untuk mempermudah pencatatan, mempercepat proses absensi, dan meningkatkan akurasi data. Sistem dikembangkan menggunakan metode Waterfall dengan tahapan analisis, desain, pengkodean, pengujian, dan evaluasi. Pengumpulan data dilakukan melalui observasi dan wawancara, sedangkan pengujian menggunakan metode Black Box Testing dan User Acceptance Test (UAT). Hasil pengujian menunjukkan bahwa sistem mampu mendukung kegiatan administrasi sekolah secara lebih efektif serta memungkinkan monitoring kehadiran siswa secara real-time. Dengan demikian, sistem dinilai layak digunakan dan membantu meningkatkan efisiensi proses absensi di SMP Islam Pekalongan.

Kata Kunci : Sistem Absensi, QR Code, Website,

ABSTRACT

The attendance process at SMP Islam Pekalongan is still carried out manually, resulting in data loss risks, delayed recapitulation, and inefficiency in managing student attendance records. This research aims to develop a QR Code-based attendance system to improve data accuracy, speed up the attendance process, and support real-time monitoring. The system is developed using the Waterfall method through the stages of analysis, design, coding, testing, and evaluation. Data were collected through observation and interviews, while system testing was conducted using Black Box Testing and User Acceptance Testing (UAT). The results indicate that the system enhances school administrative efficiency and enables the school to monitor student attendance more effectively. Therefore, the system is considered feasible for implementation and can support improved school administration.

Key Word : Attendance System, QR Code, Website