

ABSTRAK

Ardiansah Dwi Prasetya. 2025. Digitalisasi Presensi Siswa Berbasis *Website* Menggunakan Metode *Waterfall* Di Sekolah Dasar Negeri Banjarejo Kecamatan Barat Kabupaten Magetan. Program Studi Sistem Informasi, FT, Universitas PGRI Madiun. Pembimbing (I) Ridho Pamungkas, S.Kom., M.Kom. (II) Dimas Setiawan, S.kom., M.Kom.

Digitalisasi dalam dunia pendidikan dasar menjadi langkah strategis untuk menjawab tantangan akurasi data, keterbukaan informasi, dan ketepatan proses administrasi. SDN Banjarejo masih menerapkan sistem presensi manual yang rawan kesalahan pencatatan, lambat dalam rekapitulasi, dan tidak menyediakan akses langsung bagi orang tua siswa. Penelitian ini bertujuan untuk merancang dan membangun sistem presensi siswa berbasis *website* yang mampu mencatat kehadiran secara *real-time*, menghasilkan laporan presensi sesuai format Kurikulum Merdeka. Sistem dikembangkan menggunakan pendekatan *Research and Development (R&D)* dengan model *Waterfall*, melalui tahapan analisis, desain, implementasi, dan pengujian. Teknologi yang digunakan mencakup PHP, MySQL, dan *Laravel* versi 12. Evaluasi dilakukan melalui *black box testing* dan *System Usability Scale (SUS)*. Hasil pengujian menunjukkan sistem mampu membantu guru dalam rekapitulasi presensi, menyajikan data akurat, serta mendorong keterlibatan aktif orang tua. Sistem yang dibangun terbukti menjawab kebutuhan administrasi sekolah dasar secara adaptif dan mendukung penerapan Kurikulum Merdeka berbasis teknologi.

Kata Kunci: Digitalisasi, Kurikulum Merdeka, Presensi Siswa, *Website*, *Waterfall*.

ABSTRACT

Ardiansah Dwi Prasetya. 2025. *Digitalization Of Student Attendance Based On Website Using Waterfall Method At Banjarejo State Elementary School Barat District Magetan Regency*. Program Studi Sistem Informasi, FT, Universitas PGRI Madiun. Pembimbing (I) Ridho Pamungkas, S.Kom., M.Kom. (II) Dimas Setiawan, S.kom., M.Kom.

Digitalization in primary education is a strategic step to address challenges related to data accuracy, information transparency, and administrative precision. SDN Banjarejo still implements a manual attendance system that is prone to recording errors, slow in data recap, and does not provide direct access for parents. This study aims to design and develop a web-based student attendance system capable of recording real-time attendance and generating attendance reports aligned with the Merdeka Curriculum format. The system was developed using a Research and Development (R&D) approach with the Waterfall model, consisting of analysis, design, implementation, and testing stages. The technologies used include PHP, MySQL, and Laravel version 12. Evaluation was carried out through black box testing and the System Usability Scale (SUS). Test results show that the system supports teachers in recapping attendance, delivers accurate data, and encourages active parental involvement. The system has proven to meet the administrative needs of primary schools in an adaptive manner and supports the technology-based implementation of the Merdeka Curriculum.

Keywords: *Digitalization, Merdeka Curriculum, Student Attendance, Waterfall, Website.*