

IMPLEMENTASI SISTEM INFORMASI MONITORING NILAI SISWA
BERBASIS WEB
(Studi Kasus: SD Negeri Pakem Purworejo)

Rasendriya Arya Dhiwang Wibowo, Farida Ardiani, S.Kom., M.Kom

Abstrak

Pengelolaan nilai siswa di SD Negeri Pakem Purworejo sebelumnya masih dilakukan secara manual menggunakan Microsoft Excel, yang menimbulkan berbagai permasalahan seperti ketidakakuratan data, keterlambatan dalam penyampaian informasi, serta kurangnya transparansi dalam penyajian nilai kepada siswa dan orang tua. Sistem yang ada belum mampu menyediakan data nilai secara real-time dan rentan terhadap kesalahan input. Penelitian ini bertujuan untuk merancang dan mengimplementasikan sistem informasi monitoring nilai siswa berbasis web yang dapat menyelesaikan permasalahan tersebut. Sistem ini dirancang agar lebih efisien, akurat, dan memberikan akses nilai yang transparan kepada seluruh pihak yang berkepentingan. Tahapan penelitian meliputi identifikasi kebutuhan melalui wawancara, observasi, dan studi literatur, serta tahapan penelitian sistem menggunakan metode System Development Life Cycle (SDLC) yang mencakup tahap perencanaan, analisis, perancangan, implementasi, uji coba dan evaluasi. Hasil implementasi menunjukkan bahwa sistem berhasil dibangun dengan fitur utama seperti manajemen data siswa, guru, dan nilai, serta penyajian laporan nilai yang real-time dan terstruktur. Berdasarkan pengujian menggunakan metode Black Box yang berfungsi dengan baik dan User Acceptance Test (UAT), sistem memperoleh tingkat kepuasan pengguna sebesar 86,1%, yang termasuk dalam kategori "Sangat Setuju". Dengan demikian, sistem ini layak digunakan untuk mendukung proses penilaian akademik di SD Negeri Pakem.

Kata Kunci: Sistem Informasi, Monitoring Nilai, Web, Pengelolaan Nilai, SD Negeri Pakem.

IMPLEMENTING A WEB-BASED STUDENT GRADE MONITORING INFORMATION SYSTEM

(Case Study: Pakem Purworejo Public Elementary School)

ABSTRACT

The management of student grades at SD Negeri Pakem Purworejo was previously done manually using Microsoft Excel, which led to various issues such as data inaccuracies, delays in delivering information, and a lack of transparency in presenting grades to students and parents. The existing system was unable to provide real-time grade data and was prone to input errors. This study aims to design and implement a web-based student grade monitoring system to address these issues. The system is designed to be more efficient, accurate, and to provide transparent access to grades for all stakeholders involved. The research process included identifying requirements through interviews, observations, and literature review, followed by system development using the System Development Life Cycle (SDLC) methodology, which involves planning, analysis, design, implementation, testing, and evaluation stages. The implementation results demonstrate that the system has been successfully developed with key features such as student, teacher, and grade data management, as well as the presentation of real-time and structured grade reports. Based on testing using the Black Box method, which performed well, and the User Acceptance Test (UAT), the system achieved a user satisfaction rate of 86.1%, categorized as "Strongly Agree." Thus, this system is deemed suitable to support the academic grading process at SD Negeri Pakem.

Keywords: Information System, Value Monitoring, Web, Value Management, Pakem State Elementary School.