

Moh Basori Alwi. 2025. *Pengembangan Sistem Informasi Buku Tabungan Berbasis Website Di SDN Longkek 1 Bangkalan*. Skripsi, Program Studi Pendidikan Informatika, Fakultas Keguruan Dan Ilmu Pendidikan. Universitas Trunojoyo Madura. Pembimbing: Nuru Aini. S.Kom., M.Kom.

ABSTRAK

Perkembangan teknologi informasi di era digital berpengaruh besar terhadap dunia pendidikan, termasuk pengelolaan data keuangan siswa. Di SDN Longkek 1 Bangkalan, administrasi tabungan siswa masih dilakukan secara manual, sehingga sering muncul kendala seperti pencatatan kurang efisien, kesalahan input, dan minimnya transparansi. Penelitian ini bertujuan mengembangkan sistem informasi buku tabungan siswa berbasis website untuk meningkatkan efisiensi, akurasi, dan kemudahan pengelolaan data. Metode yang digunakan adalah *Research and Development* (R&D) dengan model *Waterfall*, meliputi analisis, desain, implementasi, pengujian, dan pemeliharaan. Instrumen penelitian mencakup *functional suitability*, *usability*, *reliability*, *performance efficiency*, dan *maintainability*. Hasil penelitian menunjukkan tingkat *functional suitability* 100%, nilai *usability* rata-rata 88% (kategori sangat layak), dan kemampuan akses lebih dari 15 pengguna sekaligus tanpa kendala *reliability*. Pada aspek *performance efficiency*, sistem mendapat nilai B, sedangkan *maintainability* menunjukkan sistem mudah dipelihara. Secara keseluruhan, sistem memenuhi standar ISO/IEC 25010 dan menjadi solusi efektif dalam membantu sekolah mengelola tabungan siswa secara digital, efisien, dan akurat.

Kata Kunci: Sistem Informasi Buku Tabungan, *Website*, ISO/IEC 25010, *Waterfall*

Moh Basori Alwi. 2025. Development of a Website-Based Savings Book Information System at SDN Longkek 1 Bangkalan. Thesis, Informatics Education Study Program, Faculty of Teacher Training and Education. Trunojoyo University of Madura. Supervisor: Nuru Aini. S.Kom., M.Kom.

ABSTRACT

The development of information technology in the digital era has a significant impact on the world of education, including the management of student financial data. At SDN Longkek 1 Bangkalan, student savings administration is still done manually, resulting in frequent problems such as inefficient recording, input errors, and minimal transparency. This study aims to develop a website-based student savings book information system to improve efficiency, accuracy, and ease of data management. The method used is Research and Development (R&D) with the Waterfall model, including analysis, design, implementation, testing, and maintenance. The research instruments include functional suitability, usability, reliability, performance efficiency, and maintainability. The results show a functional suitability level of 100%, an average usability value of 88% (category: very suitable), and the ability to access more than 15 users simultaneously without reliability constraints. In terms of performance efficiency, the system received a B grade, while maintainability indicates the system is easy to maintain. Overall, the system meets ISO/IEC 25010 standards and is an effective solution in helping schools manage student savings digitally, efficiently, and accurately.

Keywords: Savings Book Information System, Website, ISO/IEC 25010, Waterfall