

Tria Wulandari. 2025. *Pengembangan Sistem Informasi Manajemen Kesiswaan Berbasis Website di SMK Ifadah*. Skripsi, Program Studi Pendidikan Informatika, Fakultas Keguruan dan Ilmu Pendidikan, Universitas Trunojoyo Madura. Pembimbing: Nuru Aini, S.Kom., M.Kom.

ABSTRAK

Sistem manajemen kesiswaan memiliki peran penting dalam mendukung kelancaran administrasi sekolah. Pengelolaan data siswa di SMK Ifadah masih dilakukan secara manual sehingga dengan adanya permasalahan tersebut membuat pengelolaan data siswa menjadi kurang efisien dan menyebabkan ketidakakuratan. Penelitian ini bertujuan untuk mengembangkan sistem informasi manajemen kesiswaan berbasis *website* untuk mempermudah pengelolaan data siswa. Sistem ini dikembangkan menggunakan metode *Research and Development* dengan model *waterfall*. Tahapan model tersebut meliputi *requirement definition*, *system and software design*, *implementation and unit testing*, *integration and testing*, dan *operation and maintenance*. Sistem ini diuji menggunakan standar ISO 25010 dengan aspek *functional suitability*, *performance efficiency*, *maintainability* dan *usability*. Hasil pengujian menunjukkan bahwa sistem ini telah memenuhi standar ISO 25010, pengujian *functional suitability* mendapatkan persentase sebesar 100% (Dapat Diterima), *performwnce efficiency* dengan waktu muat halaman rata-rata 1,5 detik, *maintainability* dinyatakan mudah dikembangkan, sedangkan *usability* memperoleh persentase sebesar 88% (Sangat Baik). Berdasarkan hasil yang diuraikan, sistem informasi manajemen kesiswaan berbasis *website* ini telah memenuhi standar ISO 25010 dan dapat dinyatakan layak digunakan di SMK Ifadah karena mempermudah dalam pengelolaan data yang berkaitan dengan siswa

Kata Kunci : Sistem Informasi, Kesiswaan, *Waterfall*, ISO 25010

Tria Wulandari. 2025. *Development of Website-Based Student Management Information System at SMK Ifadah*. Thesis, Informatics Education Study Program, Faculty of Teacher Training and Education, Trunojoyo University Madura. Advisor: Nuru Aini, S.Kom., M.Kom.

ABSTRACT

The student management system plays an important role in supporting the smooth running of school administration. Student data management at Ifadah Vocational High School is still done manually, resulting in inefficient and inaccurate student data management. This study aims to develop a website-based student management information system to simplify student data management. This system was developed using the Research and Development method with the waterfall model. The stages of the model include requirement definition, system and software design, implementation and unit testing, integration and testing, and operation and maintenance. This system was tested using the ISO 25010 maintainability and usability standards. The test results show that this system has met the ISO 25010 standard, functional suitability testing obtained a percentage of 100% (Acceptable), performance efficiency with an average page load time of 1.5 seconds, maintainability was stated to be easy to develop, while usability obtained a percentage of 88% (Very Good). Based on the results described, this website-based student management information system has met ISO 25010 standards and can be declared suitable for use at Ifadah Vocational School because it simplifies the management of student-related data.

Keywords: *Information System, Student Affairs, Waterfall, ISO 25010*