

Rabiatul Fitria Sulistina Putri, 2025. *Pengembangan Sistem Informasi Sistem Penjaminan Mutu Internal Fakultas Keguruan dan Ilmu Pendidikan Universitas Trunojoyo Madura*. Skripsi, Program Studi Pendidikan Informatika, Fakultas Keguruan dan Ilmu Pendidikan, Universitas Trunojoyo Madura. Pembimbing: Muhamad Afif Effindi, S.Kom., M.T.

ABSTRAK

Sistem Penjaminan Mutu Internal (SPMI) merupakan bagian penting dalam menjaga dan meningkatkan mutu pendidikan tinggi secara berkelanjutan. Untuk mendukung pelaksanaan SPMI di lingkungan Fakultas Keguruan dan Ilmu Pendidikan (FKIP), dibutuhkan sistem informasi yang dapat mengelola dokumen mutu secara terstruktur, efisien, dan terdokumentasi dengan baik. Oleh karena itu, dikembangkan Sistem Informasi Penjaminan Mutu Internal (SIJAMU FKIP). SIJAMU FKIP dibangun menggunakan *framework Laravel 9* dengan pendekatan CRUD (*Create, Read, Update, Delete*) terhadap data dokumen. Pengujian sistem dilakukan berdasarkan standar kualitas perangkat lunak *ISO/IEC 25010* yang berfokus pada aspek *functional suitability, usability, performance efficiency* dan *maintainability*. Hasil pengujian pada aspek *functional suitability* adalah 100%, hasil pengujian aspek *usability* dengan skor 91,44%, hasil pengujian aspek *performance efficiency* sebesar 57,31% beserta waktu muat halaman 4,79 detik dengan nilai *grade D* yang memerlukan perbaikan. Pengujian pada aspek *maintainability* telah memenuhi kriteria aspek *instrumentation, consistency* dan *simplicity*.

Kata Kunci: Sistem Informasi, SPMI, ISO 25010

Rabiatul Fitria Sulistina Putri, 2025. *Development of an Internal Quality Assurance System Information System at the Faculty of Teacher Training and Education, University of Trunojoyo Madura. Undergraduate Thesis, Informatics Education Study Program, Faculty of Teacher Training and Education, University of Trunojoyo Madura. Supervisor: Muhamad Afif Effindi, S.Kom., M.T.*

ABSTRACT

The Internal Quality Assurance System (SPMI) is an important part in maintaining and improving the quality of higher education in a sustainable manner. To support the implementation of SPMI within the Faculty of Teacher Training and Education (FKIP), an information system is needed that can manage quality documents in a structured, efficient, and well-documented manner. Therefore, the Internal Quality Assurance Information System (SIJAMU FKIP) was developed. SIJAMU FKIP was built using the Laravel 9 framework with a CRUD (Create, Read, Update, Delete) approach to document data. System testing was carried out based on the ISO/IEC 25010 software quality standard which focuses on functional suitability, usability, performance efficiency, and maintainability aspects. The test results for the functional suitability aspect were 100%, the test results for the usability aspect with a score of 91,44 %, the test results for the performance efficiency aspect were 57,31% along with an average page load time of 4,79 seconds with a grade D value which requires improvement, and in terms of maintainability, it has fulfilled the criteria for the instrumentation, consistency and simplicity aspects.

Keyword:*Information System, SPMI, ISO 25010*