

ABSTRAK

Machmul Pratama, NIM 5203151035 (2025). Pengembangan Sistem Informasi Manajemen Biaya Administrasi Sekolah Berbasis *Web 3.0* di Yayasan Pendidikan Shafiyatul Amaliyyah.

Penelitian ini bertujuan untuk merancang dan mengembangkan Sistem Informasi Manajemen Biaya Administrasi Sekolah berbasis *Web 3.0* di Yayasan Pendidikan Shafiyatul Amaliyyah. Sistem ini dikembangkan guna menggantikan sistem berbasis desktop yang terbatas aksesnya, dengan menyediakan solusi digital yang terintegrasi dan dapat diakses kapan saja. Penelitian ini menggunakan metode *Research and Development* (R&D) dengan model lima tahap (MANTAP) yang dikombinasikan dengan model *Rapid Application Development* (RAD) yang terdiri dari tiga fase: perencanaan kebutuhan, *workshop desain* RAD, dan implementasi. Pengujian sistem dilakukan melalui dua pendekatan, yaitu *Blackbox* dan *Whitebox* testing. Hasil pengujian menunjukkan bahwa sistem layak digunakan dengan nilai hasil uji *Blackbox* sebesar $X = 1$ atau 100% dan uji *Whitebox* baik tanpa ditemukan *error*. Kebergunaan sistem diuji menggunakan instrumen USE Questionnaire yang diberikan kepada 29 pengguna, menghasilkan skor persentase 91.89%, masuk dalam kategori sangat baik. Berdasarkan hasil pengujian tersebut, sistem informasi berbasis *Web* ini dinyatakan layak digunakan dan mampu meningkatkan efisiensi.

Kata Kunci: Sistem Informasi, Biaya Administrasi Sekolah, *Web 3.0*.



ABSTRACT

Machmul Pratama, NIM 5203151035 (2025). Development of a Web 3.0-Based School Administration Fee Management Information System at Shafiyyatul Amaliyyah Educational Foundation.

This research to design and develop a Web 3.0-based School Administration Fee Management Information System at the Shafiyyatul Amaliyyah Educational Foundation. The system was developed to replace the previous desktop-based system, which had limited accessibility, by providing a digital solution that is integrated and accessible anytime. The research employed the Research and Development (R&D) method using the five-stage MANTAP model, combined with the Rapid Application Development (RAD) model, which consists of three phases: requirements planning, RAD design workshop, and implementation. System testing was carried out using two approaches: Blackbox and Whitebox testing. The results showed that the system is feasible for use, with the Blackbox test yielding a score of $X = 1$ or 100%, and the Whitebox test confirming a smooth execution without errors. System usability was tested using the USE Questionnaire instrument, distributed to 29s users, resulting in a percentage score of 91.89%, which falls into the excellent category. Based on these test results, the web-based system is declared feasible and capable of improving management efficiency.

Keywords: Information System, School Administration Fee, Web 3.0.

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