ABSTRACT

DESIGN AND CONSTRUCTION OF WEB-BASED SPP PAYMENT ADMINISTRATION APPLICATION AT MA AL-ISTIQOMAH CARINGIN

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Education is a crucial aspect in the development of human resources, and schools play a strategic role in shaping quality generations. However, many schools still use inefficient administrative systems, especially in managing SPP (tuition fee) payments. MA Al-Istiqomah Caringin faces challenges in administrative processes such as ineffective payment recording, difficulties in tracking payment history, and delays in generating financial reports. This research aims to design and develop a web-based SPP payment administration application to improve the efficiency, accuracy, and transparency of financial management at MA Al-Istiqomah Caringin. The application is built using Vue.js for the frontend, Node.js for the backend, and MySQL as the database. The system focuses on features such as digital transaction recording, automatic reporting, and comprehensive payment history tracking. The research method includes analysis, design, implementation, and testing stages. Black-box testing is used to validate all features from the user's perspective. The results show that the application successfully addresses the identified issues by providing an integrated, user-friendly, and accessible system for the school's finance staff. This web-based application enhances the effectiveness of SPP payment administration and supports better decision-making through accurate and timely financial data.

Keywords: Web Application, SPP Payment, Administration, Financial Management, MA Al-Istiqomah Caringin