

ABSTRACT

Al-Kautsar Purwokerto Student Islamic Boarding School faces challenges in managing student attendance, which is still done manually, resulting in time-consuming processes when generating attendance reports. The primary objective of this study is to design and develop a QR Code-based attendance system that enhances efficiency, accuracy, and transparency in attendance reporting at the boarding school. Additionally, the system is equipped with a decision-making feature using the Simple Additive Weighting (SAW) method to assist boarding school administrators in evaluating students' discipline and attendance more objectively. The method used in the design and development of this system is Rapid Application Development (RAD), which focuses on a fast development cycle through iteration and intensive collaboration with users. The research results indicate that the developed system is capable of generating student attendance reports automatically and efficiently. The system's success is supported by User Acceptance Testing (UAT) results, which achieved an 85,62% success rate, falling into the “Very Good” category, indicating high levels of user acceptance and satisfaction. The application of the SAW method in the system also successfully provided recommendations or discipline rankings for students based on predefined attendance criteria, thereby simplifying the decision-making process related to student evaluation. As a result, this system is expected to serve as an effective solution for modernizing attendance management and supporting better decision-making in the boarding school environment.

Keywords: attendance system, Islamic boarding school, QR code, simple additive weighting, decision support system, rapid application development.