

ABSTRACT

The high rate of urbanization in Surabaya and Sidoarjo has +led to an increased demand for temporary housing, such as boarding houses (rumah kost). One example is Rahmatika boarding house, which is spread across three different locations: Gunung Anyar, Rungkut Menanggal, and Berbek. The current manual management approach faces several challenges, including handwritten rent payment records, late payments, and difficulty in direct monitoring due to the distance between locations. To address these issues, this study aims to develop a web-based boarding house management information system using the Laravel framework and the rapid application development (RAD) approach. The development process was carried out iteratively and involved user feedback at each stage. The system supports core features such as tenant data management, complaint reporting, and rent payment integration using midtrans. System testing was conducted through blackbox testing and user acceptance testing (UAT), involving 23 respondents. The UAT results showed an average satisfaction score of 89%, indicating that the system met user needs and was feasible for implementation. Additionally, the system was integrated with Continuous Integration (CI) using jenkins to automate testing and deployment processes. The implementation of CI helped maintain the stability and quality of system features throughout development. In conclusion, this system improves the efficiency of boarding house operations and enables owners to manage properties digitally without the need for direct on-site supervision.

Keywords: *Boarding House Information System, Laravel, Rapid Application Development, Midtrans, User Acceptance Testing, Continuous Integration, Jenkins, Web Application*