

## ABSTRACT

In today's digital era, the use of digital technology has become an integral part of daily life, providing convenience and efficiency in various aspects, including in service systems. Information technology, especially web-based applications, has expanded the ability of individuals to access unlimited information, moving from the use of personal computers to smartphones, increasing convenience and accessibility of information. In this context, management and service systems of boarding houses face the challenge of modernizing their operations to improve efficiency and reduce dependence on manual processes. Kos Rumah Daun, a boarding house in Bandung, still relies on a manual management system that is ineffective and time-consuming.

This final project aims to develop a web-based boarding house management application that enables more efficient and effective management. The application is designed to have two types of users: residents and administrators. Residents will have limited access, only being able to view information related to themselves and not being able to access other residents' data, while administrators have full access to manage residents', cleaning, and financial data, including the ability to add, edit, and delete data. The app will also automatically generate financial reports, increasing transparency and efficiency in financial management. The use of web technology in this solution is expected to strengthen the efficiency of boarding house operations and improve user experience for both residents and administrators.

**Keywords:** digital technology, web-based applications, boarding house management