

ABSTRACT

The development of information technology enables boarding room reservations to be carried out online, facilitating interactions between boarding house owners and prospective tenants. The manual process previously applied at Honest Kost has caused limitations in information delivery, data Management, and transaction efficiency. Therefore, this study aims to develop a web-based boarding room reservation application using the Laravel Framework with the ICONIX Process approach. The software development method in this study consists of four main stages: domain modeling, use case modeling, robustness analysis, and design and implementation. In the domain modeling stage, entities and relationships among data were identified. The use case modeling stage defined the application requirements from the User's perspective. Robustness analysis was conducted to validate the application flow and ensure consistency between requirements and design. Finally, the design and implementation stage was carried out by developing the application using the Laravel Framework, followed by testing to verify the application's conformity with User needs. The result of this study is a web-based boarding room reservation application that provides core features such as room availability information, online Booking, and Management of boarding house and User data. With this application, both the boarding house owner and prospective tenants can experience easier, faster, and more organized transactions.

Keywords: ICONIX Process, Application, Boarding Room Reservation, Laravel Framework, Honest Kost.