

ABSTRACT

The advancement of information technology has had a significant impact across various sectors, including the car rental industry. Eng Rent Car, a vehicle rental company based in Bandung, still relies on a manual recording system using Microsoft Excel, which is inefficient for managing rental transactions and payments. This study aims to develop a web-based application that automates transaction recording processes, vehicle rental management, and the preparation of financial reports, including general journals, ledgers, and income statements. The development method used for this application is the Software Development Life Cycle (SDLC) with the Waterfall model, consisting of the stages of communication, planning, design, implementation, and testing. The application is developed using the Laravel framework with MySQL as the database, and tested using the Black Box Testing method to ensure its performance meets system requirements. The results of the study indicate that the developed system improves efficiency in transaction management, reduces the risk of recording errors, and provides more structured financial reports. The implementation of this web-based application is expected to assist Eng Rent Car in enhancing its services and simplifying the administrative process of vehicle rentals.

Keywords: Booking Management, Car Rental, Accounting, Waterfall, Financial Reports, MySQL