

ABSTRACT

The high mobility of students at Telkom University has created a need for an efficient and well-organized motorcycle rental service. However, the existing rental systems still have limitations, such as a lack of information regarding motorcycle availability and an unstructured borrowing process. To address these issues, we have developed GASSOR (Gas Sewa Motor), an online reservation system that allows students to rent and lease motorcycles more practically and transparently.

This system is developed using the Laravel framework and offers key features such as real-time motorcycle search, scheduled bookings, and transaction and rental report management for motorcycle owners. Additionally, the payment methods implemented in this application are adapted to commonly used payment systems in Indonesia to enhance user convenience.

The research results indicate that GASSOR improves accessibility and efficiency in motorcycle rental services within the campus environment. With this system, students can easily find rental vehicles that meet their needs, while motorcycle owners can manage rentals more systematically. Furthermore, this system also provides economic opportunities for students by utilizing their personal assets as an additional source of income.

Keywords: Online Reservation, Motorcycle Rental, Web, Laravel, Students, Telkom University.