WEBSITE BASED INFORMATION APPLICATION FOR VEHICLE WASHING QUEUES IN BENGKALIS

Name   : Rendi

Nim   : 6103191370

Supervisor   : Supria, M.Kom

ABSTRACT

The development of information technology has brought significant changes in various sectors, including vehicle maintenance and washing services. Bengkalis Regency in Riau Province, with a population of 592,390 people, has a high number of vehicles and sandy roads that often make vehicles dirty. Limited vehicle washing service providers result in long queues, which is a complaint from the public. This research aims to design a "Website-Based Vehicle Washing Queue Information Application in Bengkalis" to provide real-time queuing information. This application will help the public know the number of vehicles currently in queue at various vehicle wash stations, thereby saving time and increasing efficiency. The research method used is the Waterfall technique, with a UML modeling approach to design the system. By using a PHP-based web programming language and the Laravel framework, a website-based vehicle wash queue information application in Bengkalis was built. This application provides shop queue list features, daily and monthly shop reports, and notification of completed laundry information using the Telegram API. These features are provided to make it easier for users to obtain shop queue information and make it easier for shop owners to manage the shop more systematically.

Keywords: Information technology, vehicle washing services, queuing applications,Bengkalis, UML modeling, Waterfall, web-based services.