Abstract

The development of digital technology has changed the landscape of the transportation industry, opening up opportunities for innovations that can improve vehicle maintenance efficiency. The problem of accidents due to poorly maintained vehicles is increasing, driving the need for solutions that can help vehicle owners manage maintenance optimally. Vehicle Maintenance System (VMS) is one of the SaaS-based solutions aimed at revolutionizing vehicle fleet management, ensuring optimal performance and cost efficiency. This research aims to develop features in the VMS that can help users manage vehicle and workshop partner information, and analyze the benefits that users get from using these features. The results showed that the implementation of unit, tool box, and workshop partner features on the VMS can improve efficiency in the vehicle maintenance process and provide significant benefits to users..