

ABSTRACT

Kuningan Regency is one of the regions that has a rapidly growing automotive business potential. Kuningmas Autocare, as one of the leading automotive workshops in the area, faces challenges in managing and monitoring vehicle data and services provided to customers. Therefore, this research aims to design an Android-based application interface that can assist Kuningmas Autocare in optimizing operational activities and providing a better user experience to customers. This research utilizes software development methodology with stages of requirement analysis, interface design, implementation, and evaluation. In the requirement analysis stage, data obtained through interviews and observations are integrated to determine user requirements and needs. Based on the analysis results, an intuitive, responsive, and visually appealing interface design is created using Figma, taking into account principles of good UI/UX design. Next, the interface design is implemented using Android Studio, utilizing the Java programming language and the Android SDK framework. Implemented features include vehicle data search, service scheduling, repair status monitoring, and notifications to customers. Testing is conducted involving a limited number of users, and the results show positive responses to the designed interface. The result of this research is an Android-based application with a user-friendly interface design, providing easy access to information for Kuningmas Autocare customers. It is expected that the use of this application can help improve operational efficiency and customer experience, while benefiting Kuningmas Autocare in expanding its service reach.

Keywords: Interface Design, Android-based Application, KMS Mobile, Kuningmas Autocare.