

ABSTRACT

The rapid growth in the number of motorcycles in Indonesia, particularly in East Java, presents challenges for users regarding vehicle maintenance, such as a lack of knowledge about independent maintenance, forgetting service schedules, difficulty finding suitable workshops, and limited access to spare parts information. This research aims to design an integrated mobile application prototype to assist motorcycle users with maintenance, service scheduling, and the provision of accurate and efficient workshop and spare parts information. Utilizing the Design Thinking approach (Empathize, Define, and Ideate stages) , with data collection through interviews, observation, questionnaires, and literature reviews , the "MotorFix" application prototype was developed. This application offers features such as educational maintenance guides, specialized workshop location search, spare parts availability information, and automatic service reminders. It is supported by a modern visual concept and various promotional media.

Keyword: *application, design thinking, mobile, maintenance, motorcycle*