

## **ABSTRACT**

### **MOCKUP DESIGN OF MOCKUP SERVICE REGISTRATION APPLICATION BASED ON ANDROID USING RAPID APPLICATION DEVELOPMENT (RAD) METHOD**

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*AHASS WAHANA MOTOR is a branch of AHASS 2748 WAHANA MOTOR under the auspices of the main dealer ASTRA MOTOR SEMARANG which provides various services for motor vehicle engine repair. Such as Pit Express services, namely oil changes, light service services, heavy service services, injector services, CVT services, and Wahana Help services, which are services provided to loyal customers at Ahass group motorbike rides who have problems with their motorbike breaking down on the road, making it easier for customers to just by calling the number on the Help rides service. In registering and booking for motorcycle service at AHASS WAHANA MOTOR has provided a website for registration of [motorkux.astra-motor.co.id](http://motorkux.astra-motor.co.id). However, in its implementation there are still obstacles faced, namely the registration and booking of online vehicle services using the website is still not optimal, most customers are still many who register and book online vehicle services at the workshop. Therefore, researchers are interested in making an innovation in designing an Android-based vehicle service registration mockup. So that it will simplify the registration process, booking online services using the android application. The system development method used is Rapid Application Development (RAD). Assisted by analysis and design tools used are Data Flow Diagrams (DFD) also design databases using Entity Relationship Diagrams (ERD), computer programming language used is Hypertext Pre Processor (PHP), and databases using MySQL.*

**Keywords:** *Prototype, RAD, Android*