DESIGN OF AN ANDROID-BASED CAR BOOKING SERVICE SERVICE INFORMATION SYSTEM (CASE STUDY: PRIMA TECH BERBAH CAR WORKSHOP)

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ABSTRACT

Bengkel Prima Tech is a company that operates in the field of vehicle service and sales of car spare parts. Based on the results of research conducted on workshop owners and observations made by the author, the system process running at the Prima Tech Workshop starts with the customer or customers carrying out vehicle service and then managing spare part sales data according to the service carried out. In the process of managing workshop data such as service and sales data, this workshop has not yet established a good and computerized system. Every transaction still uses the old or manual method, that is, it is still written using a sales book and there are no sales reports per period. Apart from that, customers have to come to the place to carry out service, so there needs to be a queue number that helps customers make bookings. Therefore, a system is needed to manage all data that can display queue information, spare parts data owned by the workshop and transaction data which will later be stored in the database. In system development, system development tools will be used such as Flowcharts, ERD (Entity Relationship Diagram), DFD (Data Flow Diagram), and UML (Unified Modeling Language), and using Web and Mobile Programming Language using Databest MySql. Techniques for collecting data use data collection analysis, interviews, and field studies by means of direct observation (observation). The result of this research is an Android application that can make bookings and a Web application that can help manage transaction data.

Keywords: Car Service, Information System, Android.