

ABSTRACT

THE INFORMATION SOFTWARE OF PERIODIC SERVICE USING PUSH NOTIFICATION ON ASTRA HONDA AUTHORIZED SERVICE STATION (AHASS) TUNAS DWIPA MATRA BASED ON ANDROID

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Centralized, fast, and accurate in disseminating the information is an important thing needed by AHASS TUNAS DWIPA MATRA to provide information on periodic service activities. The media used by AHASS TUNAS DWIPA MATRA still has weaknesses. They are the periodic service using SMS or contacting the customer. Therefore, the software was built to carry the information quickly, stored digitally, in realtime, and centrally. Data for analysis were obtained by collecting interview data, observation, and literature. Meanwhile, the software development method used a prototype consisting of 3 stages starting from gathering needs, designing, and evaluating the prototype. Periodic Service Information Software Using Push Notification at Astra Honda Authorized Service Station (AHASS) Tunas Dwipa Matra based on Android is designed using Usecase diagrams, built using Android Studio, and used firebase technology. Testing was done with black-box testing, namely (1) focusing on the functional requirements of the software and (2) finding out malfunctioning of the software being built. Based on the test result, the software ran according to the expected results. The applications were able to receive real-time and centralized information.

Keywords: Software, Information Dissemination, Firebase Technology, Realtime, Android