ABSTRACT

IMPLEMENTATION OF PUSH-NOTIFICATION TOWARDS BOOKING SYSTEM SERVICES IN MUSIC STUDIO NOLKILOMETER USING ANDROID-BASED

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The development of Android is so fast in the current era. The need for activities and communication in Real-time is needed by community. Various Android-based applications have turned up. Android's Open Source character makes users easier to do their needs. One of them is the Android-based Booking service. It is able to receive Real-time Notifications and provide the information to Android users. Nolkilometer is a Music Studio located in Bandar Lampung. This studio has several services provided, such as Studio Rentals and Recording.

The problem of this study were about location which is it takes time to come to the studio, the lack of media information on the availability of Schedules and Promos in the Studio. In addition, there is a queue in renting studios. The purpose of this study was to design the booking system services in music studio Nolkilometer by using push-notification in android-based. The method of this study used the Prototype method. The prototype stage consisted of listening to Customers, building, and improving prototype and trials. The prototype method used to explore needs more precisely and directly involve the user in which several problems are found.

The results of this study found that the booking system was able to facilitate the rental of Music Studio and provide notification to users regarding schedules and promos online. This application was able to run on Android-based smartphones version 5.0 or latest. Payment was made by the user with transferring to the Admin account that has been registered with M-Banking. The payment validation process used a unique code. It was added to the cost of the Rental or Recording Studio, so that users who came stay to equate the unique code to the Admin.

Keywords: Notification, Prototype, Android