

**LEMBAR
HASIL PENILAIAN SEJAWAT SEBIDANG ATAU PEER REVIEW
KARYA ILMIAH: JURNAL ILMIAH**

Judul Jurnal Ilmiah (Artikel) : Android Based Chatting Application Using Firebase For Facilitating The Communication Among Indonesian Police Force Members

Penulis Jurnal Ilmiah (ditulis seperti dalam karya) : Angelo, Vincent; **Hardjono, Benny**; Panduwinata, Frans; Widjaja, Andree E.; Mitra, Aditya R.

Status Pengusul : **Corresponding Author**

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Tangerang,
Reviewer II,

2019

Nama: Prof. Ir. Teddy Mantoro, M.Sc., Ph.D.

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If I am going to use FCM based chat, do I need to authenticate the user against FCM? I am already using FCM for notification sending purpose. In some tutorials I have seen that, they are storing the conversations and user data in FCM database. Can I store them in my backend database without storing in FCM database. Firebase Cloud Messaging does not require a user to be authenticated. The application instance (the installation of your specific app on a specific device) is identified by an Application ID/FCM token, which is all that FCM needs to deliver messages to that app instance. As Gabe commented, Firebase Cloud Message and the Firebase databases are completely separate products. They can be used together, but don't have to be. The app must be using the FCM SDK (com.google.firebase:firebase-messaging) to receive FCM messages. Enable direct boot mode message handling in your app. In the app-level Gradle file, add a dependency on the FCM direct boot support library. If the app is using a custom Application, the Application will also need to be direct boot aware (no access to credential protected storage in direct boot mode). For guidance on sending messages to devices in direct boot mode, see Send direct boot-enabled messages. Send feedback. Firebase Notifications applies different mechanisms when app is foreground and when app is in background. Handling Notifications in Foreground. One more advantage of using data instead of notification object is that you can put anything you want in the "data" object. For example a user ID, a URL to an image, any information that you might want to use to build the notification or to pass to the click action. Note that all will be treated as Strings. For example Firebase In-App Messaging is used to grow your app retention, engagement by sending them targeted contextual messages in the form of Modals and Banners form, that encourage them to use key app features. You can show Images and Text as well as Actions along with it if user clicks on it, then a particular action will happen. // dependencies { // Add the In-App Messaging dependency: implementation 'com.google.firebase:firebase-inappmessaging-display:17.0.0'. // Check that your Firebase dependency is up-to-date: implementation 'com.google.firebase:firebase-core:16.0.1' }. 2. Get Firebase Instance ID (for testing). Print your firebase instance ID on test mobile with following code.