ABSTRACT

By the growing of telecommunication technology, especially in mobile communication systems such as the growing of smartphone user community whether it be Blackberry, J2ME, or Android. Android as a new competitor in the world of telecommunications is devoted for operating system on smartphones and Tablet PCs. One of the advantages of smartphones is wifi feature that better than bluetooth feature to ease the users in performing their daily activities.

By using the wifi feature the users can more easily access the Internet. Besides to access the internet, the wifi feature almost not optimally used on a smartphone. This is because the smartphone's users do not really understand how to optimize the wifi function on their smartphone.With this problem then will be designed an android-based chat application, in order to make it easier for smartphone users especially those using the android operating system to optimize the wifi feature on their smartphone.

The results obtained after designed this mobile chat application and implemented to smartphone device directly is this mobile chat application has success percentage of 82.5%. And through subjective testing can be concluded that the mobile chat application by the respondents has a benefit of 76.67%. And in terms of ease of used it has percentage by 76.67%. Mobile chat application also has an interface that is quite interesting and attractive, it can be seen from the respondents who chose quite attractive by 66.67%. In terms of full-featured mobile chat application has features that are fairly complete with the respondents was 63.33%. By using this application, the user is expected to optimize the wifi function on the smartphone.

Keyword: Android, Wifi, Chat, Smartphone