

ABSTRACT

Drive test is an activity have decision to collect data from a network signal quality measurements. This activity is carried out by driving the route in which there are certain tools that are configured that require special skill. So that, only drive test engineer to do it and also the range of measurement is limited to a specified route that does not include the overall received signal level. Therefore, in this final project was made drive test application base on android are easy to operate. Users only connected with the Internet and GPS access to run the application. Also, applications can be taken anywhere, not limited to a particular route.

This drive test applications perform tracking function parameters. The results of this tracking marker in google maps in the form of color balloons with information received or RSSI signal levels, latitude, and longitude. So users can view received signal level obtained in their current positions. Then, if the application is stopped, the data stored in the tracking results csv file. This file is sent to the server and stored into a MySQL database. Later in the show to google maps balloon colors web form that contains all the parameter information. So that the operator knows the signal level received an actual area.

Based on the results of tests performed that the application can work on the android operating system and application features to function as expected. Also, base on quisioner result got 16 responden of 30 responden or 53 % give this application reasonable response for development in further.

Keywords: Drive Test, Android, GPS, Google Maps