

ABSTRACT

Indonesia currently has nearly 16,000 towers. In one location there are several towers that must be monitored one full day. Now that we've entered the era of mobile entirely. However, in monitoring the BTS power supply still requires a person to be standby for 24 hours. It is already old, because today people require to always move not just remain in one place.

This final project are made an application with the aim of monitoring the power supply of Telkomsel BTS based on Android.. This application uses the Java programming language and software used to create Android applications is Eclipse. There is a major feature on the BTS-Power, namely: login forms, home, maps, , umpan and help. The purpose of making BTS-Power is to facilitate the technician Telkomsel get information about power supply Telkomsel BTS. In addition, this application also connected with Google Maps to determine the location of BTS Telkomsel point was and is equipped with an alarm notification in case of an warning to the BTS Telkomsel. This application is directly connected to the BTS database at headquarters Telkomsel, the database used is MySQL.

This application can display the power supply monitoring information in realtime. The information displayed is the mains fail, modul rectifier fail, battery fuse fail, battery charging, door open, load fuse fail, high temperature, low battery, feeder stolen, battery stolen, genset running, shelter stolen, genset failed, AC stolen, low fuel and lightning alarm.

Keywords : *BTS Telkomsel, API Google Maps, Android, MySQL*