ABSTRACT

Device BTS or Node-B were installed on various sites. Telkomsel has a modular and can be moved from one site to another site. In it's field operations, often performed removal module to optimize the use of devices based on the needs for the customer traffic.Due to limitations of the administration and the distant location of the site, the removal of this module can't be reported into Asset in Jakarta's Headquarters. So, that the amount or type of module that is in accordance with the data location module on the asset.

This leads to wastage of costs for the purchase of spare modules to excess in network maintenance and upgrade costs in the waste site because of costs to survey the condition of the site first. So in this final project management system using barcode-based android application by using the camera to read the barcode on the device modules.

The system uses xscanpet application, the user is at the location Bts / Node-B uses barcode scanning application Xcanpet and uploaded on the website. Then at the asset monitoring module on the website which move from one site to another site.From the black box test results using the menus on the website run well and all features running as it should. With this application, purchase or setup a backup module for more accurate treatment of the site, so there is no wastage costs due to its purchase of backup modules are approximate.

Keyword :Barcode Application System, Device Module, PT.Telkomsel.