ABSTRACT

The condition existing of CDMA Flexi network in Surabaya will be done reconfiguration continuely to get optimal condition when give services to the its users. In this final project will be analyst that with taking data from two BTS, that are BTS Kalisosok and BTS Kapasan. Analysis is done is the unbalanced cell problem between forward link and reverse link and the path loss problem that occurred.

The efectif size of CDMA cell can be different between forward link and reverse link. In common the interference that occurred in reverse link is bigger than its forward link, so the size cell of forward link is more than its reverse link. Because of that try to balancing tha forward link and its reverse link. With doing measurement the balance factor, b, will be get the value of fractional pilot, ϑ_p, that is to be allocated in BTS, so will be get the balance cell condition. And from the measurement of path loss that occurred in BTS site, it will be get if the cell condition need to be reconfigured or not to the analyst BTS.