

ABSTRACT

The growth of telecommunication technology at the moment is so quick along with necessity of information which also excelsior. So as growth in the wireless telecommunications trend. Started from early generation with AMPS system, expanded into GSM system and then expand again become CDMA system that have many excellences compared to its predecessor technology.

In this final project will be discussed about network analysis based on CDMA 2000 1X in Bojonegoro area which is applied as fixed wireless. Which in this analysis will use the frequency allocation that owned by PT Telkom. This analysis will be focused on radio core network, which is one part of system that responsible to connect between mobile station and base station.

Network analysis consist of the traffic estimation that offered to the system based on the user penetration and service type given, base station capacity and cell radius also power link budget.