

ABSTRACT

Present, requisites of telecommunication service are important thing in livelihood. So the problem world cellular communication at present is amount of costumer rises to use limited of band frequency together. To solve this problem, must finned how increase cell capacity without reduce of service quality. That for the operator of telecommunication must increase their service, from aspect quality or quantity on system.

In CDMA 2000 1x system, cell capacity to influence the value of quality and quantity service on system. If some cell to happen amount of user rises, then quality factor reduce. There for must to make evaluation of cell capacity on bad condition. Bad condition, it mean condition when traffic intensity higher, usually at busy hour.

This degree project, to make evaluation at Telkom Flexi Bandung operator according to practice or field data processed and to compare according theoretic. Then form calculate, to take conclusions about standard condition of CDMA 2000 1x system that used by Telkom Flexi Bandung. From conclusions, can to make evaluation against to lack cause or powerlessness of cell capacity CDMA 2000 1x. There for considered right solution according to theoretic.