

ABSTRACT

Practice, Flexible, Easy, and cheap service needed, make Telecommunication business grow fastly. With raising CDMA technology in latest year, make a chance for new operator to obtain much customer. But, customer satisfaction still in main of giving telecommunication service. In use for serve customer well, operator need a useful performance network whitin quality and capacity of a BTS that use for transmit or receive interface between MS and BSC, so it can decrease the number of call drop and blocking as well as increase the call success

This Final research will discuss the optimization of CDMA 2000-1x. Network optimazation based on drivetest measurement results analysis. The data that will be analyzed are *Ec/Io*, *FER*, *FFER*, *call drop*, *call succes*, *handoff* dan *blocking*. Software *post processing tools* is used to analyze traffic data and measurement data. This software help engineer in observing and procesing the data, so the data can be analyzed well.

Based on measuring results, means of MRP, MTP, FER, and Ec/Io shown good results more than 70%. This result shown good performance of Telkom Flexi network for Bandung area. But, from this condition not yet represent all of system work, it's proved by the percentage of dropped call rate is 12,5% and call setup success rate is 87,5%,.