

## ABSTRACT

In this time, the glow of SMS (Short Message Service) in celluler users can be experienced by fixed phone users. PT TELKOM as fixed phone's operator was aspired to provide the best service to its costumers. One of these is TELKOMSMS or SMS fixed phone. For the SMS fixed phone service, PT TELKOM has to plan the use of good signalling and can reduce delivery time of short message and decide totally of SMSC in the area. The decision above considere with holding time traffic and demand.

This final task tried to analyze demand and traffic in order to plan fixed SMS network in Bandung area. From the calculations and analyze reached the amount of fixed SMS user's demand in 2004 are 10.454 users and in 2008 are achieved 77622 users. The traffic is 414 SMS/hour. So need one SMSC in Bandung area.