

## ABSTRACT

Telecommunication technology has become more important as one of people needs nowadays. Telkomflexi was involved in order to fulfill that people's need in telecommunication technology so they can mobile in communication. The services which used most by the user of telecommunication technology is SMS ( Short Message Service ), it is because it's simple of use and it's reachable tariff.

Bandung is fast-growing developed city in Indonesia nowadays is also developing their telecommunication. Kandatel Bandung has developed Telkomflexi in order to fulfill the peoples needs of telecommunication in Bandung so they can use this CDMA 2000 1x telecommunication-based services.

Short Message Service is a gateway which is it's function as a connector between information service provider. The gateway will proceed kinds of service which needs by the customer, and then accessed the database as the request and send it again to the customer in message form.

The purpose of doing this analysis is to know the performance of SMSC gateway on Telkomflexi in handling incoming and outcoming messages. Some of the parameters which will be analysed are the average speed of incoming message on Telkomflexi, delay time, system utility factor, throughput system for traffic from and to Telkomflexi with another CDMA operator, Loss package from and to Telkomflexi.

*STTTTELKOM*