

ABSTRACT

TELKOMFlexi represent service of communications wireless base on technology CDMA 2000 1x developed by Divisi Fixed Wireless Network PT.TELKOM Indonesia which one of them is in region Jakarta. Base on technology of CDMA 2000 1x, hence earn to give voice and data service with rate till 153,6 Kbps.

This Final Task study traffic performance from wireless network TELKOMFlexi Jakarta being based on CDMA 2000 1x technology. Analysed to traffic performance cover all segment from wireless network TELKOMFlexi, covering traffic of data service or internet being based on packet switch (Packet Core Network) and traffic of voice service being based on circuit switch (Circuit Core Network).

Pursuant result of analyse from the performance parameter known average of busy hours for data service became of to 23.00-24.00 a clock with tired packet average 47708 packet. Rate arrival of packet mean during perception time is 24.81654195 packet/s, while rate of mean service system is 87.90 packet/s. From the rate of arrival and rate of service knowable average of utility factor system is 0.2794 ($\rho < 1$) so that for service of data packet at Telkom Flexi is stable.

For voice service pursuant to result of analyse obtained value of ASR mean of every BSC as according to specified yardstick of PT. Telkom at that time that is 95 %, while average value of SCR obtained 94.73%, under specified measuring rod. Average assess MHTS of equal to 1.52 minute the value show low occupying time. Mean SCH that is equal to 11.08 call/cct/hour. Percentage drop ratio from network still be high equal to 2.62 %. Pursuant result of analyse above hence need existence evaluate and maintenance to network of circuit core network, since there are some parameter which result below measuring rod and can influence service quality to customer.