

ABSTRACT

During two years PT.TELKOM has produce a new product that is TELKOM*Flexi* which is developed by Fixed Wireless Network Division of PT.TELKOM. TELKOM*Flexi* is a wireless communication technology services based on CDMA2000-1x, the system can support voice and data services with data rate up to 153,6 Kbps. Data services applied on internet connection services or called wireless internet services.

This research will explain about performance of wireless internet network in TELKOM*Flexi* Jakarta based on packet switch technology. The Infrastructures that being explained are Network configuration, Call setup, PDSN - Internet configuration and Packet data states. The performance parameter that being used to analyze focus at on busy hour that happened on network is Packet loss, Throughput data and Delay time between PDSN with Internet. PDSN is gateway to access web server.

Based on the analyst result from performance parameter, it explained whether Packet loss, Throughput data and Delay time is already good enough for the TELKOM*Flexi* standard network in those parameters. Besides that, the analyst will give TELKOM*Flexi* ideas how to developed wireless internet network become reliable.