ABSTRACT

DSL (Digital Subscriber Line) is a technology that use telephone line as transmission lines. DSL have capability to transmit *voice* signal and data signal simultaneously on single line. In DSL there is a DSLAM (Digital Subscriber Line Access Multiplexer) that serves to combine and separate information signal so DSL can be used to transmit *voice* and data signal at the same time.

In this Final Project, aid kid installation like *Wireshark*, X-Lite and VLC Media Player is required to calculate QoS (Quality of Service) of DSL to know that Switching Laboratory of Telecommunication Engineering is in best condition to support study process. The QoS parameters who will be analyze is *throughput*, *delay*, SNR and Attenuasi.

From the obtained QoS result, will be know that integrated DSL Network can be classified as good or bad category accordance with ITU-T standard values.

Keywords : DSL, Delay, Throughput, SNR, Attenuasi, ADSL