

## ABSTRACT

By the development of internet in Indonesia that growth rapidly, it is necessary for industries of telecommunication to provide broadband access for many of application supporting. From now on Indonesia has use new technology of network broadband using *Asymmetric Digital Subscriber Line* well known as ADSL system. It is far enough to be comparing with ADSL technology that can transfer data for up to 8 Mbps.

Nowadays internet technology needs appropriate broadband network for supporting many of internet application. Further usually internet application using known as *Triple Play: Voice, Video, and Data*. In this final project would be analyzed *Quality of Service (QoS)* of *Triple Play* services trough ADSL network with testing some of server such as *IPTV, VoIP server, Streaming server, and FTP server*.

From the final result of experiment shows the parameters of QoS still in the line of best standard as *Triple Play* services trough ADSL network. Whichever the standard value of delta for the IPTV service is 150 ms, with the jitter is 30 ms, and the packet loss is 5%. Therefore, the standard value of delta for the VoIP service is 150 ms, with the jitter is 30 ms, and the paket loss is 5%.

Keywords : Triple Play, ADSL, IPTV, VoIP, QoS