

ABSTRACT

Internet Protocol Multimedia Subsystem (IMS) is defined by the 3rd Generation Partnership Project (3GPP) as a new subsystem, which is a new mobile network infrastructure that enables convergence of data, voice and network technologies through an IP-based infrastructure. Network Internet Protocol Multimedia Subsystem (IMS) can be used in the core or backbone network to wireless networks such as wireless LAN with Quality of Service support is adequate. Internet Protocol Multimedia Subsystem (IMS) has been designed to fill the gap between existing traditional technologies and Internet technologies. Internet Protocol Multimedia Subsystem (IMS) are specifically designed to enable and enhance real-time services, voice mobile multimedia services, video telephony, messaging, conferencing.

ADSL (Asymmetric Digital Subscriber Line) is the access technology using copper wire transmission media and data transfer speed (broadband) high, but the speed of data transmission process (uploading) and receiving data (downloading) is different. Installation Asymmetric Digital Subscriber Line (ADSL) uses a backbone network which is already available, because it only adds a special device which is located on the side of the central office and customer side.

In this final project discuss concerning testing Quality of Service (QoS) in network video applications Asymmetric Digital Subscriber Line (ADSL) uses the Internet Protocol Multimedia Subsystem (IMS). Parameters that analyzed at the end of this project is the throughput, delay, jitter and packetloss.

Keywords: Internet Protocol Multimedia Subsystem (IMS), Asymmetric Digital Subscriber Line (ADSL), Quality of Service (QoS).