# ABSTRACT

Video conference is one of multimedia services that make user be possible to communicate each other at the same time even they on different location. Conferencing process which done by at least three users will be done well if it involve a network.

Development of communication technology make such a demand about communication technology which has high speed access with good quality that improve all elements to improve the existing technology. One of those technology which cuold be implemented on telephony network is Asymetric Digital Subscriber Line (ADSL). Nowadays, ADSL could be straightly implemented and integrated as an access point wireless LAN or known as wireless ADSL (WADSL). Appropriate with its name, this technology does not need any wire, indeed using radio wave to communicate with other user.

The advantages of these technology is could be used in research tool, one of them is implementation video conference services on WADSL network. In order to simplify the access on video conference services, those service will be implemented on a website so that a user could access the web server in order to access video conference services.

As for result of this analysis can give information concerning optimalization of WADSL technology to support video conference service based on web. A number of experiments using several scenarios are revealing result that the average uplink is the average delay uplink is <210ms, the average delay downlink is <250ms. The average jitter uplink is <15ms, the average jitter downlink is <45ms. The average packet loss uplink is 0,05%, and the average packet loss downlink is <5%. The throughput is good enough between 95-100%. This case include in standard ITU_T that is means good quality for video conference.


Keywords : video conference, web sever, access point, WADSL