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 coold 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

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