ABSTRACT

Recently telecommunication technology is growing fast. For example in VoIP case, Video Conference and VoIP is alternative technology which for possibility we can communicate each others as in PSTN network based on circuit switched, Video Conference implementation using packet switch extremely cheaper than the PSTN does, now video conference communication still using SIP and H.323 protocol. This protocol has different standard, SIP developed by IETF, and H.323 developed by ITU – T, this final project implementation used IETF standard caused this standard can be developed in NGN which all of telecommunication network were integrated with SIP protocol.

This final project focus on anlisys implementation of video conference between two asterisk server with trunking peering based on SIP. Final result from the implementation show that the video conference between two server asterisk quality is good enough. The delay of system is still of the range of the acceptable in data communication which is under 150 ms, packet loss under 10% and jitter under 30 ms, so the aplication of video conference between two server asterisk with trunking peering can be implemented.

Keyword : Video Conference, SIP, Trunking, Asterisk