ABSTRACT

The Technology development of information and telecommunication now, especially IP based application, give solution to television world and one of the applications is IPTV which are the ADSL service. ADSL technology is used to improve aceess rate of copper network from 64 Kbps to 384 Kbps, so it can be used for the implementation of multimedia service that needs high bandwith.

Broadcast system in IPTV uses IP Multicast, it's a class D of IP classification having capability to send packet with restrictiveness of bandwith. In multicast server only send one packet to multicast group, network will copy this packet and transmsit it to every user in the group.

In this final exam, based on measurement dan calculating data of case study in STO Bandung Centrum and parameter standart of PT Telkom, only 35 % of sample access rate speedy can use IPTV service. So this network needs correction performance to increase access rate of speedy in order that implementation can be used of multimedia service, one of them is IPTV.