

ABSTRACT

Current technological developments causing the use of the internet or intranet also increased. Therefore, the need for network access speed also increases. To be the fair distribution of the access network, is needed bandwidth settings.

Bandwidth management is necessary so that the bandwidth sharing in a network is fair. From the literature that has been done, to create a fair bandwidth, queue tree method is used for a bandwidth management.

This research will test how the Quality of Service (QoS) bandwidth management intranet with queue tree. Research carried out by finding the value of throughput, delay, jitter, and packet loss by using the number of clients and different bandwidth limit.

Keywords: *bandwidth, bandwidth management, queue tree, Quality of Service (Qos), throughput, delay, jitter, packet loss.*