

ABSTRAC

Ip Telephony, Internet telephony, Digital Phone often called VoIP (Voice over Internet Protocol) is Technology where allows Voice conversations remotely by internet media. Users of VoIP and IP-based multimedia streaming services are increase this make a problem in regulation and full of network traffic, because of that networking performace is decrease. to solve this problem, Network needs arrangements to implement bandwidth using Queue discipline

The application of queuing discipline which using algorithms CBWFQ (Class Based Weighted Fairness Queuing) and PRIO (Priority Queueing) is available on the Linux operating system. Both queuing disciplines are included in the classfull method is used to split the allocation bandwidth of VoIP services, HTTP, and FTP on a different LAN networks which connected by a router. From the test results obtained good results in delay, jitter and packet loss for CBWFQ implementation which is an important component of the VoIP service.

Key Word: Disiplin Antrian, CBWFQ, PRIO, dan VoIP