

Abstract

Technology nowadays is growing very fast. Especially in terms of data transfer. Humans are doing a lot of exchange of data via mobile phones, computers and other gadgets. In terms of data transfer course there are some things that desired by the user so that the desired data to and it takes a little time. There is therefore a parameter throughput, fairness and paket loss. In the transfer of data on a network requires a method of regulating the transfer of data. AQM is a queue method is embedded in a network *router*.

In this final task, will be a simulation of several topologies. Later topology will be implemented AQM BLUE or AQM SFB algorithm, at the *router* topology. Simulation will be seen by some test parameters namely, throughput, fairness and paket loss.

The results of these simulations show that the algorithm SFB has a value smaller than the throughput of the BLUE algorithm. But in terms of fairness and paket loss SFB algorithm has advantages when compared BLUE algorithm.

Keywords : *throughput, fairness, paket loss, BLUE, SFB*