

## **ABSTRACT**

Internet connection with - the same is done in schools, colleges, offices, cafe, or in other places already are common. Basically, an internet connection together using only one account only to be able to access the internet, the point is in a computer network is a computer that has Internet access and then the computer will share access to all computers on the local network computer . This can be done by various methods, one of them is to make a proxy server.

Proxy server is a service that not only can function as a NAT, but it can also function as web filtering, filtering user, authentication, bandwidth management, and others. In the normal distribution with the same internet connection, sometimes not achieve the desired results, the use of bandwidth that is not balanced. This is usually caused by the absence of a restriction or a quota that is given each user, so that the user can use the bandwidth at any time without concern for other users.

In the final project design and implementation of data obtained average response time required to access the website of the guest page 0.8155 seconds and 0.748 seconds admin page. In addition, average download speed is 0.08 Mbps and upload is 0.12 Mbps, and with it can be concluded that the speed of the received by each user is relatively the same

(Keywords: Proxy, Bandwidth, Quota and Web)