ABSTRACT

Nowadays we can see many Internet Service Providers with variation of price, amount of bandwidth, and quota that they offered to customer. When we running a net café, bandwidth and connection stability are major component. Shared connection is a common in net café. But if lt of user using connection altogether at same time, high of network usage can cause instability in ping that can cause lagging for gaming user.

There are some ways to solve this problem. The first one we can implement a bandwidth management. Bandwidth management is a policy to control the allocation of bandwidth for every user. Other way is deploying proxy server as local cahe for web content. Thus, we can reduce bandwidth usage for accessing internet. This final project resulted from page load application that monitor page load when we accessing web with three scenarios. When using proxy, we can achieve fast access pages, better than without proxy. From simulation accessing 6 sites includes detik.com, kompas.com, Lazada.co.id, CNN.com, Alison.com, and Paessler.com/prtg shows that we can achieve a faster access if we using proxy.

Kata Kunci : Cache, server, proxy, bandwidth, net cafe.