ABSTRACT

So a lot of service provider services that good Internet at warnet and now with marks sense service to get pays to make easy users Internet for plays good that on the house, school or even at office. Content at deep world even Internet so medley, of information web until social network but deep in reality even porn sites is still become hobbies for Internet user. kemanan's system that can give convenience on that system for example by gives kind of filter or in the world security known by Firewall

To block sites deemed off limits it is necessary needed a Proxy Server. With a Proxy Server that can provide a filter on our internet network system. This will provide even more comfort for the user in using the internet. Besides the function server goes well the need for a reliable security system, a firewall is the key is to add some rules in the firewall can make the system more reliable secutiry on the server, many firewall applications that can use one of UFW (uncomplicated firewall)

At the end of the project performance of the server has a very high percentage of success is 93.30%, this is due to server functions as a proxy server runs fine, of the 3 parameters tested by taking a sample of the keywords, url site and ext .3 gp only ext .3 gp which has a success percentage of less than 100% of 80%, in addition to filtering a well-functioning security system with the two methods were successfully minimize hacker attacks (ICMP Flooding and Root Compromise) and by monitoring server managed to track the IP of the hacker

Key Words : *Server, Client Server, , Proxy Server, DHCP Server, Security, Firewall, UFW, Linux Ubuntu*