ABSTRACT

Mikrotik is an information system in which there is software that has been installed on a computer so that the computer can act as a network, controlling and regulating data traffic on the computer network known as a router. Winbox is a windows-based application commonly used for proxy configuration. Even though it's based on windows, if you're using a Linux or macOS-based operating system, you can still use Winbox with converter applications like Wine and others. However, it is also necessary to have network security settings that aim to keep a network from leaking unwanted data and information, there are many ways to manage network security, one of which is setting a firewall using a proxy. The results of the analysis of research on the analysis of the wifi network security system on campus A Institut Teknologi Telkom Jakarta using Mikrotik starting from the initial observations of the research to the stage of this testing process, namely the addition of a security system with the help of a firewall on MikroTik and restrictions on sites on the network to maintain existing connections so that All members of campus A Institut Teknologi Telkom Jakarta can access the website as allowed.

Keywords: *Mikrotik, Winbox, Firewall*