ABSTRACT

The internet sharing mechanism by using one user account for multiuser (like Professional Program of IT Telkom internet sharing mechanism), is not efficient for sharing internet mechanism on an independent university like Professional Program of IT Telkom, because this mechanism can makes a problem like network delay, beside of that there is no special access for the students. So, the solution for Professional Program of IT Telkom University problems is they needs to have a VPN server.

Based on that problems, this project will be focus on makes a VPN server on Professional Program of IT Telkom Bandung, which separated on three steps, they are installation, configuration, and examination in both of functionality and reliability.

The final purpose of this project is creating an intranet network, creating a VPN server that will be functioning as authentication hardware and as a gateway, and measure of VPN server performance based on authentication respond time speed and delay when it pass by the internet service like audio streaming, so this implementation can be a solution for special privileges access problem on Professional Program of IT Telkom Bandung.

Keywords: delay, access privilege, and VPN Server