

ABSTRACT

The telecommunications system VoIP is the communication system by using the network of the intranet or internet. Sistem this facilitate the user in being connected without must be frightened of the length of the use because of his characteristics gratis. So, because of using the network of the internet and the intranet, this system becomes susceptible to the disturbance of the security and the tapping.

The security system that is tested is the security system in voip. The testing is carried out in the network of the intranet and the internet by setting the attack in the tapping aside. The testing of this system has several stages, that is the security systems analysis generally and the estimate of communication voip in the period that will come. The following stage is system planning, preparations hardware and software for the installation server voip. Further the testing and the evaluation of the system.

From the testing, voip communication system can be intercepted by parties who are not responsible using UCSniff software on a network. Using the Intrusion Detection System (IDS) based on Snort, wiretapping trial or the attacks on the VoIP server can be detected by the IDS so that prevention can be done next.

From the results obtained some experimental detection attacks on the VoIP server, including IP scanning, data theft, and ping the IP. The analyzed protocol is TCP, UDP and ICMP. In all three protocol can be detected on the theft of data and IP searches from one IP to IP server.

Keywords : VoIP, tapping, protocol, ucsniff.