ABSTRACT

The rapid growth of technology in communication data has made many advantages nowadays. This is also conducted by the raising need of the reliability, speed and effectivity of the data exchanging itself. For years the network has been well established in several countries,the computer network which is commonly still in wired based is abushed by the users who tend to adopt mobile services. Unfortunately, this rapid growth is less supported by the improvement of security system as well. Moreover, the wireless network security system often makes the users feel worries and probably they become uncomfortable in enjoying the wireless technology.

Some weakness of IDS (Intrusion Detection System) are it is hard to determine which one is legal activity with malicious traffic and it could not detect the attack if the data being sent is encrypted data. The increasing number of cyber crime hopefully can be minimized by honeypot. Simply, honeypot is indeed a sytem designed to be probed, compromised by intruder (hacker, cracker, or script kiddies). Since honeypot is a fake system, hence every single interaction occured with honeypot, such as probing, scanning,etc. will be determined as an infiltration.

In this document, there will be implemented wireless honeypot which immitates the real production system in Telkom PDC network, and continously will be tested some attack pattern to the system. Then, the reliability of wireless honeypot can be analyzed by the captured data from log which will be simultaneously analyzed to improve the network security system.