ABSTRACT

Wireless technology is growing very fast recently. Since its facility and utilizing that can be done everywhere, makes the wireless technology susceptible to the attack of the unreliable party. There are so many security threats and attack which can distract the communication in the web. One of them is Man in the Middle (MitM) attack with the ARP poisoning attack technique. The ARP poisoning is easier to handle in the guided media (wire connection), for its communication is being confined by a physical link among workstation. Therefore, different with the unguided media (wireless connection) that use the radio frequency as its communication line, the attack will be harder to handle. To overcome the problem it can be filled by using the isolation user's method. In this method every user are replaced in different network so the intruder can't do poisoning to another user that connected to the web. Hopefully the security system that has been made can give a secure service to the user and can be implemented in public area.

Keyword: wireless, Man in the Middle attack, ARP Poisoning Isolation.