

ABSTRACT

ANALYSIS AND DESIGN WIRELESS NETWORK SECURITY CCTV USING MIKROTIK ROUTER WITH PENETRATION TESTING METHOD

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The process of development technology this era that we living is getting easier in the scale of user-friendly especially in network. The defintion of internet of things brings the defintion of using network into next level and because of how the open source system, is getting easier to access network where it can also lead to misuse so called cybercrime. CCTV is one of the high chance for cyber crime to use as the access to do crime activites. Therefore for this research is aiming to anaylze of how the way cybercrime does the attack on network CCTV so-called man in the middle attack and also identify which security to defend that situation. This research is using the method penetration test between the connection of the router and the CCTV using several apps called Cain & Abel and Wireshark. This type of research is to make sure between the attacker go for the network is neutralized by the successful defense for the security.

Keyword : Network Security, CCTV, Cybercrime, Man in the middle attack, Penetration Test