

## **ABSTRACT**

*IT Support is required to be able to handle problems in the communication network and corporate security network, one of which is the need for installation and maintenance of CCTV camera network. In a CCTV camera network configuration, all cameras are connected to a device called digital video recorder. Initial configuration is carried out on a digital video recorder device to determine the path that must be traversed in order to get to the IP address of the digital video recorder device. The protocol used as a routing protocol is network address translation. The CCTV camera network has a Mikrotik router device that must be configured. The Mikrotik router configuration aims to add an IP address for the CCTV camera network. CCTV camera networks that have been configured must be tested through the WinBox application by sending gopher internet packets to the IP address of the digital video recorder device. The results obtained from the test show that the Mikrotik router is connected to a digital video recorder device. The monitor is also successfully connected to a digital video recorder so that it shows video recordings from CCTV cameras. The conclusion obtained from the CCTV camera network configuration is that the digital video recorder device facilitates the configuration of the CCTV camera network because it is GUI based. Configuration of a digital video recorder device can be done in several ways, namely by direct means, through a web browser, and through devices outside the network. Based on the results of the configuration carried out, the CCTV camera network in the area of the Radio Republik Indonesia Yogyakarta's office is considered suitable for use.*

*Keywords : CCTV, digital video recorder, IP, network address translation*