

ABSTRACT

In a business process related to a computer network in exchanging information, it must continue, so that the business process can continue, therefore to prevent the occurrence of ongoing incidents it is necessary to handle the problem as quickly as possible, so that the availability of network services can be used by employees. There are several factors that are not available for network services, including from the device itself such as the device is damaged, the age of the device is too old so that the services provided are not optimal, there are also environmental or external factors of the device, such as loose cables, or disconnects, devices damaged due to errors in configuration, and so on. To prevent or minimize the unavailability of network services, there are several ways that can be done, including routine and periodic maintenance, so that the condition of the device can be maintained so that the device can run properly, there is also checking the availability of the internet through methods such as sending data using ping or even add an agent to the device, and also use SNMP. To be able to monitor the condition of network availability continuously, the role of SNMP is very helpful because the data exchange process that runs between computer networks can be monitored continuously. To be able to monitor the snmp, it is necessary to have a support application that can read every data exchange that occurs, therefore network monitoring system is used, using network monitoring systems will facilitate reading SNMP activities or monitoring devices that use SNMP protocols, and can be monitored also the incident that appears on the device, if it happens then the network monitoring system will give a notification to the admin in order to immediately carry out the handling process of the incident that appears

Keywords: Network Monitoring System, SNMP Trap, Plan Do Check Act