

ABSTRACT

DESIGNING COMPUTER NETWORK MONITORING SYSTEM WITH SMS NOTIFICATION USING THE DUDE

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One system that can monitor networks with notifications in the form of SMS is using The Dude. This network monitoring system with SMS Notification aims to enable network admins to know the condition of network wherever they are. In monitoring the network, The Dude can do it based on the IP address entered, the dude is open source, that is, it is one of the software or tools built into the proxy, and in the installation process The Dude does not require a large storage space. When monitoring The Dude's network, the indicator will display green which is on, and red is off. To monitor The Dude's network, it will be based on the IP Address of each device connected to the network. The Dude can carry out network monitoring on the computer network at SMAN 6 South Bengkulu in the form of on or off devices notifications. The results of the monitoring will be sent as notification to the admin's cellphone in the form of SMS. In sending SMS notification, The Dude takes +/- 2 minutes, the time for sending the SMS notification is calculated based on the condition of the device being on or off until incoming or received notification on cellphone.

Keywords: Monitoring, Network, The Dude.

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