# TRAFFIC ANALYSIS THROUGH HUB AND SWITCH ON LAN ETHERNET BASED NETWORK

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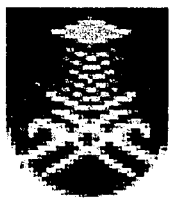

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# ABSTRACT

This paper presents traffic analysis for legacy Ethernet Network Topology using hub or switch. Traffic analysis is performed to troubleshooting and analyzing problems on the network. To know what is happening inside the network, traffic has to be captured by capturing packets between more than one nodes. Packets contained protocols, addresses and other important information. To analyze traffic is by analyzing the protocols in the traffic. For several years, there were protocol analyzer or packet analyzer or also known as sniffer can be used for that purposes. This project uses Ethereal as a protocol analyzer. There are several methods of capturing packet and these methods will be discussed. Switch and hub have different characteristics and thus can affect traffic performance on data network. Traffic analysis through these devices are performed and compared.

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