

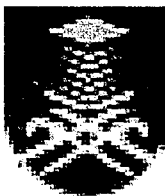
TRAFFIC ANALYSIS THROUGH HUB AND SWITCH
ON LAN ETHERNET BASED NETWORK

JAFPRI BIN SHAMSUDDIN

FACULTY OF ELECTRICAL ENGINEERING
UNIVERSITI TEKNOLOGI MARA
MALAYSIA

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ETHERNET BASED NETWORK**

This thesis is presented in partial fulfillment for the award of the Bachelor of Electrical
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JAFPRI BIN SHAMSUDDIN
Faculty of Electrical Engineering
UNIVERSITI TEKNOLOGI MARA
40450 SHAH ALAM, SELANGOR

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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.

TABLE OF CONTENTS

CHAPTER	DESCRIPTION	PAGE
	ACKNOWLEDGEMENT	I
	ABSTRACT	II
	TABLE OF CONTENTS	III
	LIST OF FIGURES	V
	LIST OF TABLES	VII
	LIST OF ABBREVIATIONS	VIII
1	INTRODUCTION	
	1.1 Introduction	1
	1.2 Objectives	1
	1.3 Project Implementation and Methodology	1
	1.4 Organization of Project Report	2
2	BACKGROUND STUDY	
	2.1 Traffic Analysis	3
	2.1.1 Transmission Control Protocol	4
	2.1.2 TCP Expert Symptoms	4
	2.1.3 TCP and Throughput	5
	2.1.4 TCP Window Size	6
	2.1.5 TCP Checksum Error	7
	2.1.5 TCP Retransmission	7
	2.1.6 TCP Keep-Alive	7
	2.1.7 TCP Duplicate Segment	7