

**GPRS PERFORMANCE FOR MAXIS OPERATOR FROM END-
USER PERSPECTIVE**

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OGOS 2005

Tarikh : 10 Ogos 2005
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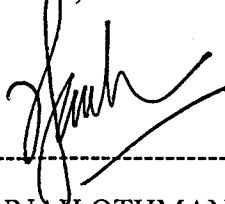
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**LAPORAN AKHIR PENYELIDIKAN "GPRS PERFORMANCE FOR MAXIS
OPERATOR FROM END-USER PERSPECTIVE"**

Merujuk kepada perkara di atas, bersama-sama ini disertakan tiga naskah Laporan Akhir Penyelidikan bertajuk "GPRS PERFORMANCE FOR MAXIS OPERATOR FROM END-USER PERSPECTIVE".

Sekian, terima kasih.

Yang Benar,



HANUNAH OTHMAN

Ketua

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ABSTRACT

This project will study the performance of GPRS service for Maxis Operator. Three hotspot locations were identified i.e KL International Airport (KLIA), Kuala Lumpur City Centre(KLCC) and KL Sentral. These locations were chosen with assumption that there were many subscribers using GPRS service in these areas. Shah Alam was chosen as a benchmark for all other location. So the end-user will experience real performance of the GPRS services whenever they are attached to those locations. The scope of study will include Internet Browsing over GPRS, sending and receiving MMS as well as WAP browsing over GPRS. The performance of each service will be recorded such as the latency, Volume of Data for Downlink and Uplink, etc. At the end of the study, conclusion will be made whether the service is good or otherwise base on end-user experience.

CHAPTER 1

1.0 Introduction

GPRS service in Malaysia was introduced several years ago but not many users using this service because of its expensive charge. The most popular service using GPRS are WAP service and MMS. Most of mobile phones in the market now are GPRS ready where the users need to activate the GPRS service with service provider. There were three GPRS service providers in Malaysia now, which are Maxis, DiGi and Celcom.

In this project, the author will focus only Maxis operator as the service provider because Maxis is the no. 1 mobile phone operator in Malaysia with subscriber base more than 6 millions.

Chapter 1 and Chapter 2 will discuss on the theory part of GPRS with introduction to GPRS, Network diagram, GPRS interface, GPRS signaling and briefly discuss about Wireless Application Protocol (WAP) and MMS.

Chapter 3 will focus on the connection method used to connect the Laptop and Mobile phone. In this case, bluetooth was chosen because it is less hassle compared to Infra-red or Data Cable connection. Then the phone set up to access WAP application also will be discussed. It includes manual set up, Over The Air (OTA) set up as well as set up the phone via internet.