DESIGN AND IMPLEMENT THE ADHOC NETWORK BASED ON MAXIS BROADBAND

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ABSTRACT

Wireless Broadband has been used widely nowadays to access the Internet due to its services that guarantee the high speed wireless internet. Maxis are not left behind in providing this service to their customers. Based on international 3G standards, Maxis Wireless Broadband has become more popular as the days goes by. This project is attempted to study about the performance of WLAN which using Maxis Wireless Broadband as an ISP. The signal strength, signal-to-noise-ratio (SNR) as well as the download and upload performance will be measured. This project will assess the performance of the WLAN which due to the factor of distance and number of users. By using the data, the availability signal strength can be stated. Besides that, the performance of the network when multiple users access to the Internet simultaneously also can be analyzed. This project will be implemented at the Institute of Integrated Information System (USMB) which is located at the Institute of Education Development (InED) in INTEKMA Resort and Convention Centre. The results from the tests show that the signal strength of the network is excellent at the distance 1 meter to 6 meters. The download performance for a single user is also good at this distance. But, when there are many users use the Internet simultaneously through this network, the performance is drop down.

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