

## **Abstract**

Wireless LAN technology is rapidly becoming crucial of computer network. Wireless technology has emerged from the world of proprietary implementation to become solution for providing mobility, users always connect to the network with real time connectivity access data as long as in coverage area. This condition support many vendor to product wireless LAN device according to standard.

This final project want to test performance of Wireless LAN IEEE 802.11B. The test will check that any product in the wireless LAN technology can work together when they are implemented although device wireless LAN from different vendor. Device compatibility give the user choose to find the best wireless LAN system and it will reduce cost investment to the consumer.

This final project tested three access point and five PCMCIA from different vendor. With networking product, performance is especially crucial. The function of networking product to transfer data reliably from one point to another. Which requires guaranteed interoperability between PCMCIA and Access point from different vendor, user can connect to the every access point, roam from one area to other area with security guaranteed from unwanted users.

Keyword : wireless LAN performance test