

ABSTRACT

The simpleness of data exchange between user in a network with highspeed without the dependence of of physical network can realized by Wireless Local Area Network (WLAN). WLAN is an alternative unlicensed technology in internet access with hardware fast and simple instalation, and more flexible in handle the coverage area.

To have a network structure with maximum quality at the wireless LAN, we need a Wirelesss LAN planning. In Wireless LAN planning we have to decide the coverage cell, link budget, user number, hardware, point of access point place, so we will get the QOS (Quality Of Service) that we need.

This final duty studied the planning of Hotspot in Hotel Nalendra Bandung using IEEE 802.11g with planing steps: data maining of user and provider, data maining of physic location and network, number of access point that will be used, network desain, hardware instalation (implementation), performance and connection test, to reache maximum Wireless LAN performance.

Keyword :Hotspot, Wireless LAN 802.11b, planning, link budget