

ABSTRACT

Telecommunication and information technology grown every time to comply with a request consumer. One of request now and future is there is available. sets of equipment and telecommunication infrastructure can be support for consumer mobility.

Necessary to design hotspot to support study in STT Telkom, with the result that university student can be access internet without connect to feeder. User enough use PCMCIA wireless in laptop.

To comply with a request it, to design hotspot in Auditorium. with the result that user can be access server in campus, like is registration, schedule and all campus information. Be sides it, user more easy to look for data sheet in internet for university lecture duty.

Result hotspot plan in Auditorium STT Telkom, needed 2 access point. Analysis signal strength from calculation is -75,624 dBm more great -84 dBm from specification equipment . Access point D_Link DWL-1000AP have coverage radius maximal is 41,7 m