

## ABSTRACT

Wireless network is the easiest way to divide internet connection. Wi-Fi technology (Wireless Fidelity) representing industrial standard which uniform all system and way of wireless LAN peripherals using IEEE 802.11 technical standard. With existence of Wi-Fi (Wireless Fidelity) hence consumer can access internet by broadband.

Requirement of internet connection which with quality progressively mount, hence infrastructure to widen distribution of internet also have to continue to be build. Hotspot represent a place or area with wireless network connection where consumer can access internet and also intranet by broadband use supporting peripheral like Handphone, PDA, PC (Personal Computer), Laptop or Notebook.

Location of hotspot Wi-Fi (Wireless Fidelity) representing important thing in dividing internet connection or intranet in an area. This thing become important because reach area will not in perfect form, so that mistake in placing will decrease Wi-Fi (Wireless Fidelity) performance.

In this final task, studied about how to plan good hotspot Wi-Fi (Wireless Fidelity) so that consumer get optimal quality of internet or intranet access. Planning location take place at Rektorat Building of Sekolah Tinggi Teknologi Telkom.

*STTTTELKOM*