

ABSTRACT

Idrus, *A Method of Positioning the Wireless Network Access Points in a Multi-story Building* (supervised by **Rhiza S. Sadjad** and **Zahir Zainuddin**).

This is an experimental project to investigate the best way of placing wireless network access-points in a multi-story building. The access-points used in the experiment are specified of having a reception range of 51 meters for a minimum of -70 dBm signal strength. The best angle of the antenna tilt is 90 degrees. In the case of an eight-story building investigated, with the room size of 45 m X 45 m at each floor, it is proven possible to arrange the placement of the access-points at each floor in such a way so that the network covers the whole building.