

## ***ABSTRACTS***

Wireless LAN offers advance in mobility easy way in doing installation. Wireless LAN keep growing fastly and has been implemented in several companies, hospital, shopping centre, and campusses. The valuable thing that can be had from the implementation of wireless LAN , most companies start to change from wired LAN to wireless LAN.

This final task has purpose to make planning and simulating the wireless LAN at Pemkab Situbondo. The planning is starting from AP (Access Point) placement by assumption the number uf users and doing analysis by the coverage area of the access point. Next, it will be continued by choosing the type of antenna and access point frequency wich is used to avord interferences.

By implementing this wireless LAN, the users can access the network application from different places wich the users have not to be in the same places. It will increase working effecvifity at pemkab Situbondo.