ABSTRACT

Along the technological growth hence the requirement of phone network remain to increasingly. Cable network have do not able to fulfill hence its solution with WLL. That's exist condition in Sinduadi area AWG Kota Baru. The otherhand there is one district, that is Gamping area which still has potency of cable network and WLL. Finally, the existing network of WLL become less be optimal since having to compete with cable network. To overcome both problem hence need DAN site moving in Gamping area. Sinduadi is urban district with density > 10.000 person/km^2. By develop new WLL network of result of the moving DAN Site from Gamping area to Sinduadi expected an extension requirement of phone would can be fullfiled.

WLL network is choosen to fulfill the requirement of phone since its quicker to develop than cable network. One of WLL system that's be used PT. TELKOM is DRA 1900. Sticking characteristic in DRA 1900 is CDCS technology. Herewith so it's unnecessary to plan the frequency management since terminal will choose the canal which have smallest interference.

This final project will be studied planning of network of WLL Ericsson (DRA 1900) what reside in AWG Kota Baru Yogyakarta. The measure parameter in this planning of network are : trafik which on the market, subscriber population, frequency allocation, coverage area, and power link budget.