

ABSTRACT

Telecommunication services plays an important role within sosio-economic development, and as number of people and also economic indices increasing, it evoke increment on the need several telecommunication services especially plain telephone services.

In anticipating request of telephone requirement (*demand*) which excelsior needed a good infrastructure of telecommunication network. Good infrastructure development designed by pursuant to calculation result by using micro and macro method approach, what is supported by data from Local Government of Cimahi Town and intern of PT. Telkom.

At this Final Project examine about expansion planning of copper wire local access network in area of Cimahi Town. Through forecasting with the micro and macro approach, got the data for the year 2006 about phone service requirement in Cimahi Town equal to 30.770 sst. Because in the planning meet the problem that is not available of customer address data, so conducted by sampling to two housing in region of Cimahi Town. The housing are Kota Mas which is located in Subdistrict of mid Cimahi and Graha Bukit Raya 3 which is located in Subdistrict of North Cimahi. Seenly are condition of eksisting RK which is not enough, so conducted by addition RK which are: RBA for the housing of Kota Mas that is require cable of primary and sekunderly equal to 600 pair, and RAW for the housing of Graha Bukit Raya 3 that is require cable of primary and sekunderly equal to 1200 pair.

By conducted of sampling to those housing in the Cimahi Town region, so expected could be earned in expansion planning of copper wire local access network in STO Cimahi Kandatel Bandung.