

## ABSTRACT

*Bukit Cimanggu Villa which is located at the city of Bogor, is a residential area for the middle and upper class that needs a telecommunication service that they can rely on. At this moment, there are still some areas in the residential that can not be reached by the telecommunication facility, especially the fixed telephone.*

*Soon, PT TELKOM will be building a new telecommunication network at this residential. Therefore, it needs a good network planning to match the condition and the need of the customer in this residential. To achieve the optimum planning we also need to be based on the PT Telkom standardization scheme. By doing literature studies, field survey and other supportive data we can build the network plan*

*The result of this writing is the amount of telephone demand by placing the RK RAE and the primary and secondary telephone network. From this writing we can conclude that the telephony demand for the Bukit Cimanggu Villa residential at the year of 2012 is 2068 SST so we must build additional network. For the RAE Boundary we have planned to build 400 pair Primary and another 1000 pair for secondary.*