ABSTRACT

ADSL represent a technology of modem *xDSL* with transmission mode of asimetrik to channel digital data service and *POTS* concurrently by using 1 copper cable pair satu. With this technology of speed of data transmission (moment of upload and of download) can be adapted for by requirement. Technological this applied to use telephone cable network (copper strand of metal) what incircuit to client. So that can use this technology at home, channel phone cutomer have to be attributed to a splitter and is central of telephone which have been provided with module of ADSL the so-called DSLAM (Digital of Subscriber Lino of Access Multiplexer).

In STT Telkom there are a is analog central what do not be exploited its use. To maximize usage of analog central, hence at this final project will be applied and realized by a network able to give service of *ADSL*. this Network planning is started with central activation, installation peripheral of DSLAM, last is development of central connective cable network of analog central with consumer. With scheme of network later application like video of on demand, video of teleconferencing, and also service of high access internet speed can be applied.

At this Final Project will be studied to regarding adjusment of technology of video of conference at network of analog central in STTTELKOM where after through some experiments got about 4,21292, and for end to end 4,21590, besides later can maximize central usage of technological itself also this is very is practical used in the field of instruction and communication in campus of STTTELKOM.