

ABSTRACT

One of the existing problems in network at high rise building is determination of network type technology, between floor and also in one floor. That happened too in PT. INTI, in determination of decision have to a lot of becoming consideration like organizational aspect, economic aspect and also technological aspect.

Pursuant to analysis from user traffic, in the reality needed reconfiguration process to computer network at building of GKP PT. INTI. Reconfiguration process designed by writer with 2 phase, first phase is election to 3 made by scenario is writer for the determination of position situation of DSLAM, and the second phase is process scheme of network of VDSL in every floor by reckoning how many telephone lino exploited for the network of VDSL to be optimal network.

The Simulation Result of network device mainstay by using ITG_ACADEMIC_EDITION_V1997 software indicate that value of delay and queue of delay ethernet under 300ms, value of throughput 0,41% from DSLAM to Modem VDSL and 0,3% from Modem VDSL to DSLAM while its value of utilization is 42,5% from DSLAM to Modem VDSL and 31,5% from Modem VDSL to DSLAM.