ABSTRACS

The Most Existing problem in di PT. Hegar Mulya is data transferring from design room to tracer room with different building with a distance of 200 meters where the file size can reach 1GB, with long distances and large size file, the existing network with UTP cables are no longer effective, author of designing a new network using fiber optic backbone as a solution to the problem.

With a step to determine the hardware specifications, calculate the new network reliability, network installation implementation plan, members of the author entitled ***"DESIGN COMPUTER INFRASTRUCTURE USING FIBER OPTIC NETWORK IN PT. HEGAR MULYA"****.*

The conclusion of this research is to have improved after the construction of new networks for data transfer making it easier for jobs to be more effective and efficient.

Key Words : Infrastructure, Komputer Network, Fiber Optic, PT. Hegar Mulya.