ABSTRACT

Nowadays, the needs of information technology grow rapidly. Local Access Fiber Network using optical fiber as the transmission media is a new paradigm to cover all demand of telecommunication service that is increase day to day. Therefore, this final project will analyze interoperability of 64kbps service at local access fiber network using SDH technology between Local Access Fiber Network at Gatot Subroto and Sukaresmi to knowing how far the utilization of local access fiber network in supporting this service. Kandatel West Jakarta had been chosen as the host for this case study.

The result of this analysis is the fact of interoperability, but we need to set up first include DXC addressing and at the instruments of the local access fiber network itself. This set up will increase throughput value until 70% compared with initial value.