

ABSTRACT

The progression of technology in telecommunications area these days expand very quickly where requirement of customer of telecommunications service will be immeasurable progressively immeasurably type of request of new service service. Local network access copper which used as by media of channel transmission connecting central with customer in area of service of STO Boo-Centrum, where condition of copper cable unable to provide request set of the new extension immeasurably service type of since finite by capacities and the unfavourable channel quality. To provide the customer requirement hence need to develop more reliable new network. But problem faced by the limited duct eksisting and budget limitation.

To overcome above constraint hence be selected by alternative with technology JARLOKAF, with consideration that technology is earning to overcome limitation of capacities and unfavourable transmission quality at copp and also with exploiting of network of ring fiber optic eksisting expected to by earn to depress invesment expense.

With technological use of Jarlokaf hence the new service demand earn provide by since its capacities is flexible and big in its development. Beside that cable of optic fibre have a micro physical form so that more efficient in use of cutting duct.

On a location of case study of planning of This normalisasi/restrukturisasi network expected by earn to provide demand existing network, improving existing network quality and also optimalisasi network to depress invesment expense. As for network system which can be applied in this study case planning with Jarlokaf system with technology of SDH ring Level STM-1