

ABSTRAK

This research investigates the relocation of optical fiber cable lines using the "Cut Off" method. Optical fiber has become a crucial component of modern telecommunications infrastructure. However, there is a need to move existing optical fiber cable lines to different locations for various reasons, such as network expansion, maintenance, or replacing damaged lines. One of the methods used for relocating optical fiber cable lines is by employing the "Cut Off" method, which involves disconnecting the existing optical fiber lines and digging new trenches at a new location. This study examines the process of relocating optical fiber cable lines using the "Cut Off" method, which includes understanding planning, fiber optic disconnection, excavation, managing reconnections, as well as testing and reactivation. The research also analyzes factors influencing the success of the relocation, such as optical fiber security, resistance to disruptions, and cost efficiency. The results of this research provide practical guidelines for efficiently and reliably relocating optical fiber cable lines using the "Cut Off" method. The study also offers valuable insights into managing existing optical fiber infrastructure and minimizing telecommunication service disruptions during the relocation process. It is expected that this research can serve as a crucial reference for professionals and organizations involved in the management and maintenance of optical fiber networks.

keywords : Fiber Optik, FTTH, ODP, OPM, Cut Off