

ABSTRACT

During the pandemic like the current situation, internet usage is increasing significantly because almost all of the citizen activity is done online caused by limitation of mobility. This situation makes the increased of FTTH (Fiber to The Home) development by the internet service provider to fulfill what the citizen needs. To fulfill the needs of internet, fiber optic technology widely used because of its surplus compared to copper technology. One of the internet service provider that is developing FTTH is Indonesia Comnets Plus (ICON+). One of the FTTH *project* development from the ICON+ is Jiwana FTTH *project* development. There are few steps to complete the *project*, the step is field development dan virtually mapping using application called AMARTA (Aplikasi Manajemen Resource Tertata). In the mapping step, drawing of cable route is done from POP (Point of Presence) to Splitter. Beside the cable route drawing there is detailed splicing of the fiber optic core. The result of the drawing that had been done will be displayed in an application called PLN Mobile.

Keywords : FTTH, mapping, POP, splitter