
ABSTRACT

Yusuf Raja Attasniemme, Designing Polygon ODP Plan From List Of Project Kedunggede, 2022

Nowadays the internet has become something that is needed by all people. All kinds of activities that are usually carried out face-to-face such as teaching and learning processes, working in the office, meeting with many people, shopping and so on are now done online. This causes the need for internet access at home to increase rapidly. In terms of traffic, several telecommunication operators said that there was an increase in traffic reaching 40%. Therefore, the demand for the installation of new connections for PT Telkom's broadband access services increased dramatically. Before making a new connection to the customer's house, it is necessary to measure the coverage area to estimate the signal range of the ODP to be installed. The purpose of implementing the KP is as a requirement to fulfill the Practical Work course, in addition to implementing the knowledge that has been gained during college into the world of work.

Data collection methods used are practice, interviews, and literature study. Data collection was carried out by direct practice of making polygons, asking field supervisors and colleagues about the topics discussed in the report, and searching, reading, and understanding related references for report preparation. The creation of a new LOP polygon begins with collecting data from a survey. After that proceed with the design of the coverage area using google earth.

The polygon design process for LOP Kedunggede using google earth has been successfully completed. The design results show the coverage area of the ODP plan, namely ODP-BYM-FB/040 and ODP-BYM-FB/039 which were made on Jalan Cangkring.

Keywords: Practical Work, Telkom Access, Polygon, Google Earth, Coverage Area.