

## **ABSTRACT**

*The development of FTTH (Fiber To The Home) technology, which is used as a medium for transmitting optical signals from the provider to the customer. In this case, PT. Telkom Indonesia (Persero) Tbk. is developing technology on FTTH optical fiber media. PT. Telkom Indonesia (Persero) Tbk. Regional III (TREG III) has a Planning, Engineering, Development (PED) unit responsible for surveying and planning the distribution of optical fiber. However, there are still obstacles in managing the distribution path of fiber optic networks in the field. Therefore, the author formulated the problem and solution in creating a data management system, implementing a management format, and developing a management system that is easy to use by employees and partner workers. The research aim is to provide a problem-solving solution and assist employees and partner workers in managing data needs and coordinate suitability for ODP, ODC, OLT, OTB, and pole coordinates. The proposed solution is to build an Android-based application for managing data management needs and implementing the planned management format. The problem limitations include the target users of the application, the Android mobile platform, and the minimum device specifications required to run the application.*