

## **ABSTRACT**

*PT. XYZ is a contractor enterprise that runs in the telecommunication service provider industry especially in fiber optic (FO) cable ducting. This final project object discusses phase 2 Ruko Magna ducting FO construction project, it is known that PT. XYZ doesn't have a good project planning management based on findings on project planning documents and previous project information. Therefore, in this final project, a proposal design related to a proposal project management plan will be carried out which refers to the 6th edition of the project management book of knowledge 6<sup>th</sup> edition. The results of the redesigned project plan, the FO ducting project for ruko magna phase 2 has 3 deliverables with 17 activities of which 13 are activities on the critical path with a total duration of 58 working days and an estimate can be completed on August 2, 2021. The proposed scheduling has a difference of 12 working days from the existing plan. Budget estimation for the preparation work is Rp 14.000.000, for material procurement Rp 39.946.452, ducting Rp 46.203.208 and management reserve is Rp. 10.000.000 with the total budget of the project before tax is 110.164.000. Amount of worker allocation to complete the project within time is 4 people and 1 supervisor for dig and ducting work.*

**Keywords— Project Management Plan, Critical Path Method, Project Management**