

## ***ABSTRACT***

*The FTTH project is an infrastructure development project by pulling distribution cables from the local STO to the customer's living environment that has not been changed from the previous copper network. Currently PT XYZ is experiencing problems with the FTTH project in Alam Sanggar, this project is indicated in the 2nd week of no activity being fulfilled at all and this work is delayed for 1 week. The purpose of this research is to help PT XYZ in designing a new schedule to overcome these problems using the Critical Path Method and.*

*The result of this schedule design is that in the calculation of the CPM method, the project completion duration is 76 days and the critical path with the sequence of activities A-B-C-H-K-L-M-N-O-P is the activity with the longest time.*

*Keywords — [ Project , Project Scheduling , Critical Path Method, Fiber Optic, Bar Chart]*