ABSTRACT

PT XYZ is one of the subsidiaries currently carrying out a feederization project. In the process, there were several obstacles that made the project work not meet the target. A mismatch between plans and realized activities will cause delays, which can be detrimental to all parties involved in the project. Project work at PT Several factors can cause delays, namely human factors, materials, methods, environment, and so on. To be able to find out the main factors causing delays in feederization projects Fiber To The Home (FTTH) Rancabali location, scheduling can be designed using a method, namely Critical Path Method. CPM is a method that can be used to determine important activities and be able to control project time.

Problems that exist in feederization projects Fiber To The Home (FTTH) Rancabali location, requires additional workforce, namely by crashing. However, by existing crashing This will also have an impact on the costs incurred on a project. Therefore, to be able to minimize costs resulting from additional labor, it is necessary to accelerate by knowing what activities occur during project work using resource calendars and RACI Matrix. After processing the data, it can be seen that there is a critical path, namely path A-B-C-D-M-N-F-Q-G-H-U-I-J-X-Y-K-L-Z-AA-AC-AD-AE-AF-AG-AH-AM-AN-AO where this path needs to be repaired so as not to experience delays. It is known that the feederization project Fiber To The Home (FTTH) Rancabali location, which was originally estimated to be able to complete all activities from the preparation stage to closing in 132 days, was completed in 121 days at a cost of Rp 98.441.418. With use Critical Path Method, it is hoped that work on the feederization project will be carried out Fiber To The Home (FTTH) Rancabali location has experienced increased performance so that the project does not experience delays, can be completed on time, and can be implemented in similar projects in the future.

Keywords: Construction,Critical Path Method, Crashing, Resource Calendars