

ABSTRACT

The Project for Procurement and Installation of Fiber to The Home (FTTH) Network in Batujaya Village, Majalengka was started on February 21, 2020 and was completed on April 20, 2020 with a duration of 60 days. However, on the 35th day of March 26, 2020, the *progress* of work produced was 35.29%. In accordance with the initial *planning* of the project, on the 35th day or fifth week, the project *progress* should be 58.33%. Project delays will cause cost overruns on the project, so to optimize the time and cost needed to complete the project requires a method to accelerate the schedule so that the project can catch up on delays. Using the Resource Constrained Project Scheduling Problem (RCPSp) which aims to minimize project completion time and project daily costs, resulting in an overall project duration of 51 days with remaining time for project completion of 29 days. This shows the addition of duration for 4 days of the planned remaining duration. Meanwhile, the total cost to complete the project is Rp 273,940,508 and the remaining costs to complete the project are Rp 100,213,152 with deviation Rp 58,179,413 of the *planning* cost.