



ABSTRAC

Project Construction of a building hall in Balikpapan area that is being carried out by PT. Dandy Utama planned to be completed on December 9, 2013, but on October 16, 2013 there is a delay in processing time carpentry. Due to the delay in implementation of the project was originally planned on September 2, 2013 to September 9, 2013, led to the project being delayed for 7 days. Project delays may impact on penalty costs to be paid, for the acceleration of project work done by comparison of the addition of working hours (overtime) or increase the amount of labor to obtain results with minimum cost.

Precedence diagram method (PDM) is a method of project scheduling is used as a management tool in the implementation of the project. Stage in this research is to create a network, determine the critical path, calculate time and cost with the addition of working hours, calculate the total amount of labor and labor costs, calculates costs accelerated by the addition of the amount of labor, and choose a more effective alternative.

From the data processing speed up the costs obtained with the addition of working hours (overtime) during 118 days of Rp 90.297.000,00 and to increase the amount of labor costs Rp 87.764.160,00 for 116 days. The project has been delayed for 4 days from the time of pre-planned for 112 days, then a penalty of 1% of the actual cost of labor is equal to Rp 896.670,00. Analysis of the results obtained that accelerated with the addition of the workforce has more optimal results than the increase in the number of working hours (overtime) plus the costs well after penalty, with project completion cost of Rp 88.660.830,00 for 116 days.

Keywords : Project delays, Preceden Diagram Method (PDM), Penalty.