

ABSTRACT

The research in the skripsi is done in the background because of the current age of globalization, competition between service providers and especially construction services is so tight, that only those who work hard hard will really win the competition and seize the market, and then get jobs to make a huge profit. Purpose of the study, it is to analyze the change in cost and time of project implementation in a variety of overtime hours (overtime), to analyze the cost of project implementation due to the addition of (overtime).

In this study, using a method the Time Cost Trade Off method, through Microsoft Project. By inputting related data to be analyzed into the program, this microsoft project will automatically perform calculations in accordance with the calculation formulas that have been made by this program. The data input process for analyzing acceleration involves two stages, namely by preparing a plan schedule and project costs (baseline) and including the optimization of the duration with the addition of working hours (overtime).

From the result of the analysis achieved, it is known that the normal duration before the addition of overtime is 234 days, the change in time after adding of 1 hours of overtime to 209 days, for the addition of 2 hours of overtime to 194 days, and for the addition of 3 hours of overtime to 181 days. Costs before the addition of working hours or 234 days normal cost in the amount of Rp 3.948.922.540,98, after adding 1 working hours with a duration of 209 days in the amount of Rp 3.928.474.915,98, for the addition of 2 hours overtime with a duration of 194 days in the amount of Rp 3.917.365.830,90, for the addition of 3 hours overtime with a duration of 194 days in the amount of Rp 3.909.912.972,23. The time difference after the addition of working hour is 25 days with the difference in costs Rp 20.447.625,00, the difference for the addition of 2 hours of work is 40 days with the difference in costs Rp 31.556.710,08 and the difference for the addition of 3 hours of work is 53 days with the difference in costs Rp 39.079.568,75.

Keyword : Duration, Cost, Acceleration, Difference, Project