THE EFFECT OF ACCELERATION TIME ON COSTS
PROJECT PURA RAHARJA HOSPITAL SURABAYA

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Abstract

In execution of Pura Raharja Hospital project take effect acceleration time to get economic cost with a short time settlement.

There will be two alternatives, the first with addition of working hours and the second with an addition of labour. As for how with compression time in every work on critical path. Work on critical path has a related settlement of work time to another one. Compression performed on all duration of the activity that needs to be rounded. This is done continously until the condition of saturated critical path or not possible to compress settlement time.

From the discussion of the results obtained, alternative 1 with the addition method of working hours (overtime) in the structure of the building, showed reduced execution time of 8 days from the time of the normal 136 days to 128 days after compression. This may lead to indirect costs was reduced from Rp.192.240.390,00 to Rp. 180.225.366,00. While the direct costs increased from Rp. 1.230.226.000,00 to Rp. 1.243.853.802,00, so
the total cost of changing from Rp.1.422.466.000,00 to Rp.1.424.785.934,00.
Alternative 2 with the addition method the amount of labor on the building structure, showed reduced implementation time 7 days from the time of the normal 140 days to 133 days after compression. This may lead to indirect costs was reduced from Rp.192.240.390,00 to Rp. 180.225.366,00. While the direct costs increased from Rp. 1.230.226.000,00 to Rp. 1.233.205.147,00, so the total cost of changing from Rp.1.422.466.000,00 to Rp.1.414.137.278,00.
Of the two alternatives, can be concluded that alternative 2 is more advantageous economically.

*Key word: acceleration of time, cost, hospital*