

ABSTRACT

Productivity Analysis Of Tower Crane (Case Study: Bintaro Jaya Xchange Phase II, South Tangerang)

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In a construction project, tower crane productivity is one of the important factors in the success of a project. Analysis of tower crane productivity in the Bintaro Jaya Xchange construction project phase II, aims to analyze the productivity of tower cranes in the Bintaro Jaya Xchange construction project phase II. This research was conducted by observing the daily volume and cycle time of 4 tower cranes for 14 days. The collected data will be processed using Microsoft Excel program. Based on the results of the analysis that has been carried out, it is found that the average productivity of tower crane 1 is 8,069.66 kg/hour, tower crane 2 is 8,444.26 kg/hour, tower crane 4 is 7,504.84 kg/hour, and tower crane 5 of 8,524.17 kg/hour. From the data above, it can be concluded that tower crane 5 has a higher average productivity, because tower crane 5 gets a more productive job than other tower cranes. Then, tower crane 4 has the lowest average productivity because in that zone no structural work has been carried out, so tower crane 4 only functions as a support for other tower cranes.

Keywords: Productivity, Tower Crane, Bintaro Jaya Xchange

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