ABSTRACT

ANALYSIS OF ACCELERATED TIME FOR COMPLETION OF OFFICE BUILDING CONSTRUCTION PROJECTS IN THE PANTAI INDAH KAPUK AREA USING THE CRASHING METHOD

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Rapid developments have occurred in the field of construction projects. This development certainly experiences several obstacles that need to be overcome to obtain results in accordance with the desired planning. An obstacle that often occurs in the construction of multi-storey buildings is delays in completion time with the percentage of delays in multi-storey buildings in Indonesia being 60% to 70%. In this research, an analysis of plans to accelerate completion times is carried out to deal with the problem of delays on a project. This research uses the crashing method through 2 alternatives, namely increasing the duration of work and adding labor to the remaining structural work. From the research results, it was found that the normal cost for the remaining structural work was IDR 629,505,989,000.00 with the normal duration for the remaining work being 343 days. After carrying out the crashing method, the most optimal results were obtained, namely by increasing the workforce by 50% with costs after acceleration of IDR 611,693,139,831.00 with the remaining duration being 210 days.

Keywords: Delays, Acceleration of Project Time, Crashing, Costs