

ABSTRACT

High rise building is a multi-storey building with limited land use. High rise building can accommodate more residents so that they can provide the best solution for these problems. Project delays can be minimized by using crashing programs. Crashing can reduce the duration of the project but costs increase. In addition to crashing programs can also use BIM (Building Information Modeling) to speed up work. This study analyzes the Integration of Crashing Program and Building Information Modeling on the High Rise Building Project. This study uses SEM analysis to assess the Integration of Crashing Program and Building Information Modeling on Project Performance (Time and Cost). As a result, the Crashing Program and Building Information Modeling affect Time and Cost Performance. Integration of Crashing Program (CP) with time performance with a percentage of correlation of 26%, with a cost percentage performance correlation of 38%. Building Information Modeling (BIM) integration with time performance with a correlation percentage of 25%, with a cost performance percentage of a correlation of 35%. Integration of Crashing Program (CP) and Building Information Modeling (BIM) with a correlation percentage of 20%.

Keywords: Crashing Program, Building Information Modeling, Time Performance, Cost Performance

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ABSTRAK

High rise building merupakan gedung berlantai banyak dengan penggunaan lahan yang terbatas. *High rise building* mampu menampung penduduk lebih banyak sehingga mampu memberikan solusi yang terbaik untuk permasalahan tersebut. . Keterlambatan proyek dapat diminimalisir dengan menggunakan *crashing program*. *Crashing* mampu mengurangi durasi waktu proyek namun biaya meningkat. Selain dengan *crashing program* dapat juga menggunakan BIM (*Building Information Modelling*) untuk mempercepat pekerjaan. Penelitian ini menganalisis Integrasi *Crashing Program* dan *Building Information Modelling* pada Proyek *High Rise Building*. Penelitian ini menggunakan analisis SEM untuk menilai Integrasi *Crashing Program* dan *Building Information Modelling* terhadap Kinerja Proyek (Waktu dan Biaya). Hasilnya, *Crashing Program* dan *Building Information Modelling* berpengaruh terhadap Kinerja Waktu dan Biaya. Integrasi *Crashing Program* (CP) dengan kinerja waktu dengan persentase korelasi sebesar 26% , dengan kinerja biaya persentase korelasi sebesar 38 %. Integrasi *Builing Information Modelling* (BIM) dengan kinerja waktu dengan persentase korelasi sebesar 25 %, dengan kinerja biaya persentase korelasi sebesar 35 %. Integrasi *Crashing Program* (CP) dan *Building Information Modelling* (BIM) dengan persentase korelasi sebesar 20%.

Kata kunci: *Crashing Program*, *Builing Information Modelling*, Kinerja Waktu, Kinerja Biaya

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