

Analisis Implementasi Building Information Modeling Pada Proses Bisnis Quantity Surveying = Building Information Modeling Implementation Analysis For Quantity Surveying Processes

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Abstrak

This undergraduate-thesis discusses the Building Information Modeling (BIM) implementation for quantity surveying processes. Through the implementation of BIM, it is expected to facilitate the quantity surveying processes starting from the planning phase, tendering phase, construction phase, to the final assessment phase. The study was conducted by in-depth interviews with quantity surveying consultants in Indonesia. Then a case study was conducted to compare the quantity of take-off in the 9-story building using BIM and Non-BIM. The results of the study show that BIM can accelerate quantity take-off process in the planning phase with high accuracy. In addition, quantity surveying consultants in Indonesia have also studied BIM for more than 3 years, but the implementation of BIM has not been maximized, because of the project owners who still don't need the BIM implementation yet.

<hr>Pada skripsi ini membahas mengenai analisis implementasi Building Information Modeling (BIM) pada proses bisnis quantity surveying. Melalui penerapan BIM diharapkan dapat mempermudah proses bisnis quantity surveying mulai dari fase perencanaan, fase lelang, fase konstruksi, hingga fase penilaian akhir. Penelitian dilakukan dengan cara wawancara mendalam kepada praktisi BIM pada konsultan quantity surveying. Kemudian dilakukan studi kasus untuk mengetahui perbandingan quantity take-off pada bangunan gedung 9 lantai menggunakan BIM dan Non-BIM. Hasil dari penelitian menunjukkan bahwa BIM dapat mempercepat waktu quantity take-off di fase perencanaan dengan akurasi yang tinggi. Selain itu konsultan quantity surveying di Indonesia juga sudah lebih dari 3 tahun mempelajari BIM, namun penerapan BIM yang dilakukan belum maksimal diantaranya karena pandangan pemilik proyek yang merasa belum memerlukan BIM.