ABSTRAK

PERBANDINGAN PRODUKTIVITAS BIAYA DAN WAKTU METODE *CONCRETE PUMP* DAN *CONCRETE BUCKET* PADA PEKERJAAN PENGECORAN

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Dalam industri konstruksi, penting untuk memiliki kendali atas kinerja biaya proyek untuk memastikan biaya konstruksi sesuai anggaran. Jadi, manajemen biaya proyek diperlukan untuk menjaga proyek dalam anggaran yang ditetapkan. Alat konstruksi memegang peranan penting dalam membangun sebuah bangunan. Berdasarkan permasalahan tersebut , peneliti ingin mengetahui dan mengevaluasi pada pekerjaan pengecoran Proyek SMK-SMAK Bogor dimana pengecoran dapat dikerjakan dengan dua metode yaitu menggunakan concrete pump dan concrete bucket . Dengan adanya penelitian ini penulis berharap menjadi solusi dari pihak kontraktor dan pembaca terhadap permasalahan efektivitas biaya dan waktu pada pekerjaan pengecoran Proyek SMK-SMAK Bogor. Dari perhitungan waktu penelitian pelaksanaan pengecoran pada Proyek SMK-SMAK Bogor Gedung LAB 2 diperoleh waktu concrete pump sebesar 232.48 menit dengan pengecoran volume 60 m3 dan menggunakan concrete bucket sebesar 563.95 menit dengan pengecoran volume 60 m3. Berdasarkan pelaksanaan pengecoran pada Proyek SMK-SMAK Bogor Gedung LAB 2 maka diperoleh perhitungan biaya menggunakan concrete pump per m3 sebesar Rp. 788,056 dan menggunakan concrete bucket per m3 sebesar Rp. 852,265 Hasil perolehan dengan biaya SNI concrete pump per m3 sebesar Rp. 1,346,600 dan menggunakan concrete bucket per m3 sebesar Rp. 1.362.392 .

Kata Kunci : Biaya , Concrete Pump, Concrete Bucket, Manajemen Proyek, Waktu.

ABSTRACT

COMPARISON OF PRODUCTIVITY COST AND TIME OF CONCRETE PUMP AND CONCRETE BUCKET METHODS ON CASTING WORKS

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In the construction industry, it is important to have control over project cost performance to ensure construction costs are within budget. So, project cost management is necessary to keep the project within the set budget. Construction tools play an important role in building a building. Each of these tools has an important role in a building project. For the case studied by the author, he analyzed the existence of obstacles in the weather which experienced a delay of minus 1.66% in the accelerated progress plan and there was a lot of structural work that was directly related to the weather, which if it rained, the work was disrupted and stopped during the rain, with delays in structural work resulting in other work after the structure becomes late. Based on these problems, researchers want to know and evaluate the casting work of the Bogor SMK-SMAK Project where casting can be done using two methods, namely using a concrete pump and a concrete bucket. With this research, the author hopes to provide a solution for contractors and readers to the problem of cost and time effectiveness in the SMK-SMAK Bogor Project casting work. From the calculation of the research time for casting on the Vocational School Project SMAK Bogor LAB Building 2 obtained a concrete pump time of 232.48 minutes with a casting volume of 60 m3 and using a concrete bucket of 563.95 minutes with a casting volume of 60 m3. Based on the implementation of the casting at the SMAK Bogor Vocational School Project, LAB 2 Building, the cost calculation for using a concrete pump was obtained at Rp. 788,056 and uses a concrete bucket of Rp. 852,265 Proceeds from SNI concrete pump costs of Rp. 1,346,600 and uses a concrete bucket of Rp. 1,362,392 .

Keywords: Cost, Concrete Pump, Concrete Bucket, Project Management, Time.