ANALISIS PERBANDINGAN PELAKSANAAN *FULL SLAB PRECAST* DENGAN *KOMBINASI SLAB PRECAST* DAN *CAST IN SITU* DITINJAU DARI SEGI BIAYA DAN WAKTU PELAKSANAAN PADA PROYEK JALAN TOL CIBITUNG – CILINCING SEKSI 3 STA 20+871,52 – 20+946,52

ANGGER WALI ABIYYU
16/401864/SV/12368

INTISARI

Metode *slab on pile* merupakan metode utama pada Proyek Jalan Tol Cibitung – Cilincing Seksi 3. Pelaksanaannya dengan menggunakan *slab precast* yang dipasang pada susunan tiang pancang. Namun terjadi kendala dalam penyediaan *slab precast*, sehingga digunakan metode kombinasi *slab precast* dan *cast in situ* dengan lebar 72 cm.

Tujuan dari penelitian ini adalah untuk membandingkan biaya dan waktu pelaksanaan dari kedua metode. Penelitian dilakukan dengan cara mengamati langsung proses pelaksanaan di lapangan dan menghitung kembali volume pekerjaan. Data-data yang berkaitan diperoleh dengan wawancara, dokumentasi, observasi dan studi pustaka.

Berdasarkan hasil analisa perbandingan biaya dan waktu didapat bahwa pelaksanaan kombinasi *slab precast* dan *cast in situ* 72 cm hanya mengurangi biaya sebesar 2,03% (Rp 173.875.159,00) dan menambah waktu pelaksanaan sebesar 16,67% (3 hari) terhadap kondisi normal (*full slab precast*).

Kata kunci : *precast, cast in situ*

COMPARATIVE ANALYSIS OF FULL SLAB PRECAST WITH COMBINATION OF SLAB PRECAST AND CAST IN SITU REVIEWED FROM COST AND WORKING TIME IN CIBITUNG – CILINCING TOLL ROAD CONSTRUCTION PROJECT SECTION 3 STA. 20+871,52 – 20+946,52

ANGGER WALI ABIYYU
16/401864/SV/12368

ABSTRACT

Slab on pile method is the main method of Cibitung – Cilincing Section 3 Toll Ways construction project. The implementation of the main method is using a slab precast mounted on a spun pile arrangement. But there are problems in the supply of slab precast, so decide to using the precast and cast in situ with a width of 72 cm combination method.

The purpose of the study is to compare cost and time of the two methods. The study was conducted by observing directly in the site and recalculate the working volume. The data needed is obtained by interview, documentation, observing, and literature study.

Based on results of comparative analysis of cost and time, obtained that implementation of slab precast and cast in situ 72 cm combination just reduce the cost by 2,03% (Rp 173.875.159,00) and add the working time by 16,67% (3 working days) to normal condition (full slab precast).

Keywords : precast, cast in situ