EXCHANGE TIME AND COST FOR CONSTRUCTION
PROJECT ART AND CULTURE BUILDING
(EX. MITRA BUILDING)
IN SURABAYA CITY

Name College Student : Tomy Andrianto
NRP : 3106 100 626
Jurusan : Teknik Sipil FTSP-ITS
Dosen Pembimbing : 1. Supani, ST. MT
                2. Farida Rachmawati, ST. MT

Abstrak

Gedung Seni dan Budaya in Surabaya has been establishing in order to encourage sense of art and culture, beside to be an icon of this city. Another objective is for giving a great appreciation in the art and culture for surabaya community. In the construction phase, there was a under schedule causes by delay in contractor mobilization. The delay was occurred in 4 weeks or 17.79%. To complete on time and reduce more losses, the construction needs to be crashing.

The objective of this research is to estimate project duration after crashing and crashing cost. Using some crashing scenario like working overtime, more labours mobilization and changing construction method. QM software was used in calculating crashing schedule and crashing cost.

From the analysis, it could be showed that maximum crashing cost was Rp 6,330,849,946. Total cost was Rp 6,137,142,129,00 Penalty to be paid was Rp 202,525,525, 5 when the project was still under schedule

Keyword : time cost trade off, construction method, gedung seni budaya surabaya
”Halaman ini sengaja dikosongkan”