THE COST CALCULATION AND TIME SCHEDULE AT FACULTY OF MEDICINE HANG TUAH UNIVERSITY SURABAYA’S BUILDING USING HALF SLAB PRECAST AND U SHELL

1st Student’s Name  : BAYU SATRIO FIRMANSYAH
NRP               : 3111.030.066
Department        : DIII TEKNIK SIPIL FTSP-ITS

2nd Student’s Name : LAILATUL FITRIYAH
NRP               : 3111.030.070
Department        : DIII TEKNIK SIPIL FTSP-ITS

Counsellor Lecturer : Ir. KUSUMASTUTI, MT
NIP               : 19530329 198502 2 001

ABSTRACT

Faculty of Medicine Hang Tuah University Surabaya’s Building which has areas ±2897.38 m² be function as lecture building. In the construction of the project, structure of column, beam, and slab used cast in situ’s method.

As a alternative innovation of project accelerated construction, so in the final project cast in situ’s method was initially applied is changed into precast half slab and U shell’s method. Then to reach this purpose is needed calculation analysis of time and cost in precast. In the time calculation is used time schedule reference and in the cost calculation is used HSPK 2013 reference.
Based on the results of cost calculation analysis were obtained project implementation cost for the main structure with precast half slab and U shell’s method of Rp 19,952,983,916.10 and for project implementation time for 35 weeks. By this control of time and cost be expected can reach the purpose project accelerated innovation.

*Keywords: Cost, Time, Precast Half Slab, Precast U Shell*