ABSTRACTION:

On the implementation of construction works construction projects Rusunawa Sidoarjo University consists of 3 floors with a length of 61.4 m, width 13.6 m, 10.9 m high, and 835.04 ± m² building area, required planning implementation methods. By dividing the two segments to maximize the performance of the construction equipment in order to achieve a project with cost and time optimal implementation.

At the end of the construction project, we changed the method of execution at the plate craftsmanship by using half precast slab. The use of precast plate half slab is expected to accelerate implementation time and reduce costs.

Based on the analysis of the results of this final project, working on Rusunawa University Sidoarjo plate can be
completed for 10 days to floor 2, floor 3 to 10 days and 7 days for DAK floors with a total cost of Rp. 873,609,031.40. While the calculation of the initial cost of the project is Rp. 635 107 212 with details of implementation to the 2nd floor plate workmanship for 25 days, 25 days and 23 days for the floor to floor no. This menunjukkan that the use of precast half slab as an alternative method of implementation of the change can speed things up a project structure.

Key Word: time and costs calculation using the precast half slab