ABSTRACT

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Title : *Hotel Aston Priority Jakarta Project*
Main Case : *Methods of implementation Conventional floor Plate and Preslab*

Program : *Undergraduate Program, Civil Engineering Department, Gunadarma University*

Key words : *Prestressed Concrete Wire, Precast, Preslab.*

(xx + 156 + *Attachment*)

Hotel Aston Priority is located on TB. Simatupang kavling 7 street, South Jakarta. The hotel provides accommodation and conference facilities of international standards. There are 321 spacious rooms and suites include a restaurant, coffee shop, lounge, swimming pool, fitness center, spa, meeting rooms, and a grand ballroom. The hotel is built on an area of 4,726 m^2 which consists of 23 floors with a total contract value of Rp. 164.000.000.000,00. Foundation types used are bored pile with a depth of 18 meters and using quality f'c 30 MPa. In the construction of the basement -2 using 6 shear wall and 19 columns with using concrete quality f'c 40 MPa. Quality of steel used in this project is fy 400 MPa for reinforcement diameter more than 9 mm and fy 240 MPa for reinforcement diameter less than 9 mm. Construction began from September 2012 until March 2014 . For the floor basement -2 to 2 using a conventional plate while for floor 3 to 23 using precast pretension slab (preslab) which preslab is a precast technology that has the advantage of reducing costs and time and as permanent formwork . Quality of the concrete in the preslab is f'c 40 MPa with 70 mm thick with a diameter of reinforcement 5 mm and length of distribution prestressed concrete wire 125 mm .

Bibliography 5 (2011 – 2013)