

ABSTRACT

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STIE Tazkia Cendekia Flats Construction Project, Bogor, Work Implementation Methods and Calculation of Concrete Volume Requirements on Beams Type B35 Floor 5 Zone 2. Department of Civil Engineering. Faculty of Civil Engineering and Planning Gunadarma University.

(XIV + 57 + Attachment)

The STIE Tazkia Cendekia Bogor Flats Development Project is located on Jalan Ir. H. Juanda Citaringgul Village, Babakan Madang District, Sentul Bogor Regency, West Java. This Flat has a building area of 8321.86 m². The owner of this project is PPK Flats and Special Provision Housing Prov. West Java, West Java Province Housing Provision Work Unit. In collaboration with PT. Amsecon Berlian Sejahtera as MK and PT. Citra Konsorindo as the contractor. The type of contract used is a unit price with a value of IDR 55,747,044,800.00. In this project there are several construction works, one of which is beam structure work. The method of carrying out beam work on this project includes work on determining elevation, determining beam axles, steel fabrication, installing beam reinforcement, checklists, installing beam formwork, verticality, casting beams, dismantling column formwork and maintenance. Based on the results of the calculation of the volume requirement for beam type B35 Floor 5 Zone 2. Based on the calculation results, the volume of concrete required for beams type B35 floor 5 zone 2 is 12.299 m³.

Keywords: Beams, Implementation Method, concrete volume