

ABSTRACT

Hastien Husada Hospital Construction Project Building B, Implementation Method and Calculation of Beam Casting Volume for Hastien Husada Hospital Construction Project Building B on As C2 – C5 Floor 4

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XV + 79 + Atteachment

Hastien Husada Hospital Construction Project Building B is located on Jl. Cikakung, North Rengasdengklok, Karawang, West Java. This project is built on an area of 5,456 m² with a building area of 4,789 m² with a total of 6 floors and this building functions as a hospital building. The owner of this hospital construction project is PT. Intan Husada in collaboration with PT. JCAW Empat Lima as Construction Management, Structural Consultant, Architectural Consultant, and MEP Consultant with the main contractor, namely PT. Indonesian House Concept. The type of contract used is a unit price with a contract value of Rp. 63,178,18900,000. The observation discussed is one of the work of the upper structure that is beam. Beams are horizontal bars of the structural frame that carry loads perpendicular to the length of the rods, usually from the walls, slabs or roofs of buildings and transmit them to the support or substructure. The method of implementing the beam work has been arranged in a flow chart with the stages in the form of determining the marking of the beam axles, installing scaffolding, installing bodeman formwork, ironing, installing slabs, plate fabrication and plate installation, checklist by QC, cleaning of cast areas, casting, maintenance, formwork dismantling. and scaffolding. The casting volume requirement for the axles C1 – C5 on the 4th floor is 3,946 m³ with \pm 1 mixer truck with a capacity of 7 m³

Keywords: Beams, Implementation Method, Concrete Volume