

ABSTRACT

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Building Project 2 of Gunadarma University Hospital Work Implementation Methods Core Wall.

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(XIII + 59 + Attachment)

The Gunadarma University Hospital Building 2 project is located on Jalan Raya Bogor KM 31, Cisalak Pasar, Cimanggis, Depok City, West Java Province. The construction of the Gunadarma University Hospital Building 2 Project aims to be a hospital building. The Gunadarma University Hospital Building 2 project stands on a land area of 9,192 m² and the building area is 47,140 m² with a building height of ± 77 meters. This building has a value of ± Rp. 250,000,000 with contract type Unit Price Contract consists of 18 floors and 1 basement. Building 2 of Gunadarma University Hospital is located next to campus building F4 of Gunadarma University. Gunadarma University as owner forming and pointing Gunadarma Structural and Architectural Design Center (PDSA) team as planning consultant and implementing contractor. Apart from Building 2 of the Gunadarma Hospital, the plan is to also build a parking building for the hospital and also a lecture campus building. Observation of existing conditions includes upper structural work on columns, beams, plates and structures core wall. Stages of work implementation core wall includes preparatory work, reinforcement fabrication, reinforcement installation, installation formwork, foundry and curing. Problems that arose during the Gunadarma University Hospital Building 2 project were caused by weather factors and technical problems. The technical problem that occurred was casting failure which made the concrete porous so the solution was to patch the defective structure. Work can be carried out more quickly because of the use of chemicals mixed into the concrete ready mix which makes the concrete harden faster, which generally takes 28 days to 4 to 5 days.

Keywords : Work Method, Core wall, Gunadarma, Project Problem.