ABSTRACT

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Construction Project of the Faculty of Medicine, Gunadarma University Campus F8
Implementation Method, Calculation of Reinforcement and Volume of Concrete Column 1st Floor Building Faculty of Medicine, Campus F8 Gunadarma University, Department of Civil Engineering. Faculty of civil engineering and planning.
gunadarma University
(XIV+58+Attachment)

The Construction Project of the Faculty of Medicine, Campus F8 Gunadarma University, is located on Jl. Kom. RTM, Tugu, Cimanggis, Depok, West Java. This building has a building area of ± 691.2 m2 and a building height of ± 33.5 m. This building has 9 floors. The construction of this project started in 2018. The Gunadarma University Education Foundation acts as the project owner, Gunadarma University acts as the implementing contactor, and the Structural and Architectural Design Center acts as a consultant and planner. With a contract value of Rp. 29,897,700,000. The type of contract used is a Unit Price Contract. In designing a multi-storey building structure, there is a main principle that must be considered, namely increasing the strength of the structure. Columns are one of the important elements in the building structure, besides that the column also transmits the forces acting on the beams and foundations.

Keywords: Implementation Method, Calculation of Reinforcement Requirements and Column Concrete Volume.