

ABSTRACT

Moch Recky Herdiansyah, 14316437

Project for Building Construction of the Faculty of Medicine, Gunadarma University Campus F8 Methods of Implementing 2nd Floor Beams and Slabs Work and Calculating the Need for Concrete Volume Needs and the Estimated Costs of AS 2 Floor Slabs and Slabs Work 2-3 Grid B-C

Majoring of Civil Engineering. Faculty of civil engineering and planning.

gunadarma University

XIV + 72 + Attachments

The Construction Project of the Faculty of Medicine, Campus F8 Gunadarma University, is located on Jl. com. RTM, Tugu, Cimanggis, Depok, West Java. The purpose of the development of this project is to facilitate the study of medical students at Gunadarma University. This building has a building area of ± 4551.5 m² and a building height of ± 44.2 m, and has 10 floors. With a contract value of Rp. 29,897,700,000. The type of contract used is a Unit Price Contract. The construction of this project began in 2018. The Gunadarma University Education Foundation as the project owner, Gunadarma University as the implementing contactor, and the Structural and Architectural Design Center as a consultant and planner. The existing conditions of work in the field on the project when the author did practical work were superstructure work, including beam work, column work, floor slab work and ladder work, a special problem in writing this practical work report is the method of implementing beam and floor slab work. as well as the calculation of the estimated cost of concrete volume requirements for beam and slab work 2 AS 2-3 GRID BC. In writing the method of carrying out the work of beams and floor slabs 2 This practical work report can be concluded that the beams and floor slabs in this project use the conventional method because the entire structure of the floor slabs is done in place and the estimated cost requirement for the volume of the beam is Rp. 10.427.200,00.

Keywords: Implementation Method, Calculation of Volume of Concrete, Beams and floor Plates