

## **ABSTRACT**

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*Construction Project of Building 4 Campus F8 Gunadarma University. Method of Execution of Work and Calculation of Volume of Concrete Floor Slab 5*

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*(XIV+71+Attachments)*

*Building 4 of Gunadarma University's F8 campus is part of the construction of the Gunadarma University Faculty of Medicine's F8 campus which is located on Jl. Comp. RTM, Tugu, Cimanggis, Depok City, West Java. The construction of this project was carried out using a self-management method led by the Gunadarma University Education Foundation. Building 4 campus F8 with a land area of 14,000 m<sup>2</sup> and a building area of 5,977.73 m<sup>2</sup> with the type of contract used is Monthly Progress with a contract value for structural construction work of ± Rp. 29,897,700,000. The construction of Building 4 campus F8 Gunadarma University also provides opportunities for students to carry out practical work as a student's first experience to get a direct picture of the situation in the world of work as well as learning activities and sharpening abilities that have been obtained on the lecture bench. Practical work activities also get the opportunity to observe and carry out directly and students can find solutions if there are problems in the project. The work observed on the construction project of Building 4 Gunadarma University includes superstructure work such as column work, beams, floor plates, columns, and ladder. The specific problem taken is about the Implementation Method and Concrete Volume Requirements for floor slabs. The methods used in the implementation of the floor slab work include the preparation, measurement and marking of the area, fabrication of floor slabs, installation of floor slabs, formwork installation, check list, casting area cleaning, floor slab casting, formwork disassembly, and floor slab maintenance. The volume requirement of slab structure concrete casting in the construction of Gunadarma University building 4, 5th floor is 80,659 m<sup>3</sup> and the need for a mixer truck used is 12 truck mixers.*

*Keywords: Floor Plate, Implementation Method, Concrete Volume*