

## **ABSTRACT**

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*The Method of Work Execution and Calculation of the Concrete Volume for The 1<sup>st</sup> Floor Slabs on The Construction Project of Mulia 2 Hospital Bogor City*

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*(xiii + 54 + Attachment)*

*The Construction Project of Mulia 2 Hospital is located on Sholeh Iskandar Road, Cibadak, Tanah Sereal Village, Bogor City, West Java. This construction aims to increase health facilities in Bogor City. This construction implemented by PT. Rizki Mandiri Konstruksi. This building has 1 floor of semi-basement and 8 floors of upper structures, which stand on a land area of  $\pm 2.811 \text{ m}^2$  with a building area of  $9.749,5 \text{ m}^2$ . In this project there is several construction work, such as preparatory work, upper structural work, and lower structural work. The focus of the discussion in this report is the method of execution of floor slab work and calculation of the volume of concrete for floor 1 slabs. The method of execution of floor slabs included installing scaffolding and formwork, ironing floor slabs, formwork cleaning, casting floor slabs, and concrete maintenance. The problem that occurred in the Mulia 2 Hospital Construction Project was the collapse of the parking area of the concrete pump truck and the concrete mixer truck, so it took time to move the concrete pump truck and dismantle the pipes, which caused the ready mix concrete to be set. The solution was to increase the working hours of the workers and reject the ready mix concrete that had been set. Calculation of the volume of floor slabs that have been carried out, resulting that concrete is needed for the casting of the 1<sup>st</sup> floor as much as  $92,192 \text{ m}^3$  or about 16 truck concrete mixer with  $6 \text{ m}^3$  capacity.*

*Keywords: Floor Slabs, Method of Implementation*