ABSTRACT

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Execution Method and Concrete Volume Calculation for Lift Separator Beam Structure on the Construction Project of Hari-Hari Supermarket and Office Building
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(xvi + 82 + Attachments)

The construction project of Hari-Hari Supermarket and Office Building is located on Pluit Selatan Raya Street, North Jakarta. The project owner is PT. Mitra Multigraha Jaya Abadi, with PT. Rekajasa Cipta Mahakarya acting as the construction management, and PT. Total Bangun Persada Tbk serving as the contractor. The internship program was conducted to provide students with opportunities to broaden their understanding and apply the theoretical knowledge gained during their academic studies. The author conducted observations during the implementation of structural work, including columns, floor slabs, beams, stairs, and the lift shaft. The purpose of this report is to explain the construction methods and calculate the concrete volume requirement for the lift separator beam structure in the project. The implementation method for the lift separator beam begins with the construction drawings, determination of reinforcement placement points, formwork installation, reinforcement installation, reinforcement inspection, concrete pouring, concrete curing, and dismantling of formwork. The results of the calculations indicate that the volume of concrete required for the lift separator beam is approximately 0,227341457 *m^3.*

Keywords: Internship, Lift Separator Beam, Concrete Volume, Construction Method, PT. Total Bangun Persada