

## **ABSTRACT**

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*Pondok Indah Mall 3 & Office Towers Project. The Execution Method of Beam and Casting Calculation of Beam level 6.*

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*(XIV+70+Attachment)*

*Pondok Indah Mall 3 & Office Towers Project located on Jl. Sultan Iskandar Muda Komplek Pondok Indah Sektor V-TA, Pondok Pinang, Kebayoran Lama, Jakarta Selatan 12310, Indonesia. This project built on a land area of  $20.966 \text{ m}^2$ , has 2 office towers, mall, tunnel and bridge. Owner of this project is PT. Metropolitan Kencana TBK. The main contractor is PT. Total Bangun Persada – PT. Berca Buana Sakti. This project using Lump Sump Fix Price contract type with a contract value of IDR 2.031.853.593.271,63. This project has implementation period of 29 month. In construction phase, one of the important thing to be concerned is construction methode. The construction methode have a crucial role in order the project can run smoothly in which efficient, on schedule, and safety can be obtained accordingly. The prosedure of beam installation shall be followed because the beam have important function on building espicially for holding horizontal load. Construction methode perform in beam installation include bekisting installation, reinfoforced installation, concrete casting, curing and finishing. The calculation of concrete volume is very important to determine its cost. Calculating of beam concrete volume is concrete volume minus reinfoforced volume. Concrete volume for 6th floor is  $105,931 \text{ m}^3$ .*

*Key Word: Construction Methode, Beam, Concrete Volume*