

ABSTRACT

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Anami-1 Tower B Klapa Village Development Project, Implementation Method and Calculation The Volume of Casting of Pile Cap PC44.

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Anami-1 Tower B Klapa Village Development Project is located on H. Naman street Pondok Kelapa, East Jakarta. The purpose of this project is to resolve the density population problem in Pondok Kelapa. Anami-1 Tower B Klapa Village Development Project built by PT. Totalindo Eka Persada Tbk. as the main contractor and KSO Sarana-Totalindo as an owner. This project built on a land area $\pm 14.500 \text{ m}^2$, with building area $\pm 4.914,654 \text{ m}^2$ consist of 20 floors with 1 semi-basement and 1 rooftop. Contract-type used is a Lump Sum Fixed Price with the contract value of Rp. 320.000.000.000,-. Pile cap work implementation method starting from preparation, excavation work, cutting and demolition pile work, formwork installation, termite spraying, flooring work, reinforcement installation, casting work, and terminate with pile cap curing. The reinforcement used for the pile cap is reinforcement D19 for upper reinforcement and support reinforcement, reinforcement D22 for bottom reinforcement, and reinforcement D13 for side reinforcement. The quality of concrete used for pile cap is $f_c' = 35 \text{ Mpa}$, so the volume of casting is $69,991 \text{ m}^3$.

Key word; pile cap, method, the volume of casting.