

ABSTRACT

Anjelita Alifia Ramadhanti, 10318912

The Canary Apartment, Serpong. Coloumn Implementation Method and Volume Requirements of the Calculation for Concrete on Coloumn Structure at Basement 1 Zone 1.

Department of Civil Engineering. Faculty of Civil Engineering and Planning. Gunadarma University.

(LXXII+72+Attachment)

The Canary Apartment project is located at Jalan Raya Serpong No. 29, Cilenggang, Kecamatan Serpong, Kota Tangerang Selatan, Banten. The building is built on an area of 3.237,91 m², with a building area of 40.165 m². The Canary Apartment project has 37 floors with 2 basements. PT. Trimitra Propertindo as the project owner, PT. Susanto Ciptajaya as structural consultant, PT. Megatika International as an architectural consultant, PT. Mitra Karya Pranata as a consultant for MEP, PT. Tata Anggana Utama as a Quantity Surveyor consultant, and PT. Abadi Prima Intikarya as the main contractor. The type of contract used is a lump sum fixed price with a contract value that is ± Rp. 84,000,000,000.00. The Canary Apartment construction is planned for 19 months with a maintenance time of 12 months. Observations made in the field are in the form of substructure work which includes excavation, foundation, and basement. The method of implementing column work is the determination of column axles, fabricating column iron, installing column iron, installing coloumn formwork, casting columns, dismantling formwork, and maintaining columns. The volume requirement for concrete column structures on the basement 1 zone 1 is 41,364 m³.

Keywords: Coloumn, Method, Concrete Volume