

ABSTRACT

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METHODS FOR IMPLEMENTING WORK FOR K4 COLUMNS AND CALCULATION OF K4 COLUMN CONCRETE VOLUME REQUIREMENTS IN THE MESS AGRICULTURE MESS BUILDING DEVELOPMENT PROJECT AT MARGANG MARKETCivil Engineering Department. Faculty of civil engineering and planning.

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(xii+56+Appendix)

The Agricultural Human Resources Mess Building Development Project, Pasar Minggu is located on Jalan Agriculture III, No. 29, Pasar Minggu Village, South Jakarta City, Special Capital Region of Jakarta. The Agricultural Human Resources Mess Building Development Project, Pasar Minggu has an area of 1,628 m². The Agricultural Extension and Human Resources Development Agency (BPPSDMP) of the Ministry of Agriculture as the project owner and PT. Kadita Berseri as implementing contractor. The type of contract used in this project is lump sum and unit price with a contract size of IDR 7,636,708,000. The Agricultural Human Resources Mess Building Development Project, Pasar Minggu was implemented for 180 working days. Column work is a vertical structure construction process that functions to support the load from the beam and distribute the load to the foundation. Column work consists of preparatory work on column work such as determining the axle points from measurement and pegging results, steel work on main reinforcing iron and stirrup iron, formwork work, casting work, maintenance/curing, and formwork removal. Concrete quality in columns uses K250. The required volume of concrete for column K4 is 5,640 m³.

Keywords: Column, Implementation Method for Column K4, Concrete Volume Requirements for Column K4.