

ABSTRACT

Abdullah Abubakar, 10320005

Bogor-Paledang Station Skybridge Construction Project, (Case Study: Visualization of Field Work on the Method of Implementing Bored Pile Point S3 Foundation Work)

Civil Engineering Department. Faculty of civil engineering and planning.

Gunadarma University

(XV+70+Appendix)

The Bogor-Paledang Station Skybridge Construction Project is located on Jalan Mayor Oking, Jalan Paledang Block Dalem School No. 4, Paledang, Central Bogor, Bogor City, West Java, Postal Code 16122. The Skybridge development project is 185 m long and has a bridge width of 2.5 m. PT. KAI as the owner of the Skybridge, KSO, Samagraha - Katalia projects as construction management and PT. Giwin Inti as the main contractor. The type of contract used in this project is a combination of lump sum and unit price with a contract value of Rp. 98,188,030,000.00. The Paledang Station Skybridge Development Project Between Bogor Stations – Paledang Cross Bogor Sukabumi is planned for 360 working days. The concrete quality of bored pile, sloff, pile cap, beams, columns, slabs uses 30 Mpa. The quality of the main reinforcement, stirrups and plates is 30 Mpa. Visualization observations made were the work of the lower structure, namely the bored pile foundation work. The method of implementing bored pile foundation includes: preparation, installation of sheet pile, drilling and installation of casing, measurement of borehole depth, assembly of reinforcement, insertion of reinforcement, casting of bored pile holes.

Keywords: Skybridge, Bored Pile, Implementation Method