

ABSTRACT

THE IMPLEMENTATION OF THE PROJECT BORE PILE TOWER 5 APARTMENT MEISTERSTARDT POLLUX HABIBIE

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Bore pile foundations are categorized on deep foundations that need to be planned and designed in such a way, so that the bore pile foundation can withstand the structural load above it. To determine the amount of bearing capacity of the foundation, it is need to be investigate soil or rock conditions from each layer. There are several ways of investigating soil methods including taking a soil sample using Geological Drilling log to obtain the value of N-SPT and Cone Penetration Test (CPT) or often referred to as Sondir to determine the value of Local Friction, Total Friction and Cone Resistance. From the two ways of investigating the soil, we can calculate the carrying capacity of the bore pile foundation. From the calculation of carrying capacity by means of SPT with a bore pile depth of 0.00 m. D. 28.00 m obtained carrying capacity of 753.30 tons. and the method of CPT at a depth of 0.00 m s. 7.00 m found that the carrying capacity of the foundation was 315.57 tons.

Whereas for the implementation of bore pile we must have qualified Human Resources or engineers, adequate Equipment, quality Materials, and Executors in the field. so that the bore pile that is made will fulfill the planning requirements or according to the design. The Engineer is responsible for calculating implementation costs, making implementation schedules, and

controlling expenses. Equipment is the most important part of the implementation. Because without equipment such as heavy equipment for implementation, the bore pile cannot be created. The material used must be tested in a laboratory such as compressive strength and tensile reinforcement, concrete compressive strength to determine the quality of concrete. The Executor is the executor in the field in the sense of the bore pile team.

Keywords : Foundation, Bored Pile, Heavy Equipments