

ABSTRACT

Nicholas Joel Christian, 10320259

Proton Beam Building Construction Project of Gatot Soebroto Army Hospital, Bore Pile Work Implementation Method

*Department of Civil Engineering, Faculty of Civil Engineering and Planning
Gunadarma University*

(XIII + 60 + Appendix)

The Proton Beam building is a hospital building construction project located on Jl. Abdul Rahman Saleh Raya No.24, RT.10 / RW.5, Senen, Kec. Senen, Central Jakarta City, Special Capital Region of Jakarta 10410. This building has a building area of 10,659 m². This project has a project value of 275 billion. In this project there are several structural construction works, namely the upper structure and lower structure. The lower structure work of the Proton Beam RSPAD Gatot Soebroto Building construction project consists of a bore pile foundation, strutting plan, pilecap, capping beam, and tie beam. In its implementation, there are several methods to complete the work starting from foundation work, lower structure and upper structure to finishing. Practical work is expected to provide benefits and be able to develop the knowledge gained. To be able to enter the world of work after graduating from college, every student must have readiness in facing the professionalism of his work in accordance with the field he is engaged in. Bore pile work is an important part of the building and infrastructure construction process. Students obtain the application of occupational safety and health (K3) principles which are very important to prevent risks and accidents in the workplace. Practitioners can find out firsthand the heavy equipment used during the bore pile process and its functions during practical work. The implementation methods of bore pile work are site survey, excavation, concreting, casting, quality control, implementation supervision, and simple maintenance.

Keywords: Practical Work, Implementation Method, Bore Pile Work.