ABSTRACT

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Indoor Multifunction Stadium Construction Project
The Implementation Methods and Calculation of Concrete Volume Requirements for Bore Pile Axles 30 Zone E1
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The Indoor Multifunction Stadium Development Project is located on Pintu Satu Senayan street, Gelora, Tanah Abang District, Central Jakarta City, DKI Jakarta. This project was built by the Kementrian Pekerjaan Umum Perumahan Rakyat Direktorat Jendral Cipta Karya on an area of 30,720 m^2 with a building area of 20,852.79 m^2. The construction of the Indoor Multifunction Stadium is because Indonesia was chosen to be the co-host of the 2023 FIBA Basketball World Cup along with two other countries, namely Japan and the Philippines. The method of carrying out bore pile work includes preparatory work (boring test and land clearing of tree remnants or disturbing roots), then steel reinforcement fabrication, determination of bore pile axle points, drilling work, installation of temporary casing, installation of bore pile reinforcement, work casting of bore pile foundation and removal of temporary casing. The volume requirement of concrete in the axle 30 zone E1 is 12 bore pile foundations of 150.384 m^3. It takes 22 mixer trucks with a ready mix concrete capacity of 7 m^3.

Keywords: *Bore Pile Foundation, Implementation Method, Concrete Volume Requirement.*