ABSTRACT

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Project for Revitalisasi Taman Ismail Marzuki Pembangunan Parkiran.
Method of Implementation and Calculation of Volume of Floor Beams Mezzanine B48 as 13-F and 14-F

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(XV + + Attachment)

The Taman Ismail Marzuki development project is located in the area of Jalan Cikini Raya No.73, RW.2, Cikini, Kec. Menteng, Central Jakarta City, Special Capital Region of Jakarta 10330. The building area in this project is 12,669.7 m2 with 3 floors. The function of the building is as a parking lot for the Taman Ismail Marzuki area. The owner of the Ismail Marzuki Park Development Project is PT. Jakarta Propertindo (Perseroda), assisted by planning consultant PT. Jakarta Konsultindo, a supervisory consultant for PT. Yodya Krya (Persero), and the main contractor PT. Wijaya Karya TBK Building which is assisted by sub contractors for ready mix concrete and iron. The type of contract used is Lumpsump Fixed Price with a total contract of Rp.542,100,000,000,-. The project implementation time is 18 months with a maintenance period of 356 calendar days. The method of implementing beam work on the Taman Ismail Marzuki Project has followed the applicable provisions and procedures, starting from determining beam axles, installing scaffolding and beam formwork, installing reinforcementbeams, checklist of reinforcement and ironing of the foundry area, casting of beams, maintenance of beams (curing), and dismantling of beam formwork, materials used in the casting process, beams include ready mix concrete, decking concrete, reinforcing steel, and bendrat wire. The quality of the concrete used in casting the beam is f'c 30 MPa. The result of calculating the volume requirement of concrete on the mezzanine floor beams b48 axles 13-f and 14-f is 2.1369 m3.

Keywords: Beams, Implementation Method, Concrete Volume.