

## **ABSTRACT**

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*Taman Mini Indonesia Indah (TMII) Parking Structure Development Project  
Method of Implementation and Calculation of Floor Slabs Volume on 1st floor  
Zona 2*

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*Taman Mini Indonesia Indah (TMII) Parking Structure Development Project, located within the area of Taman Mini Indonesia Indah, Taman Mini Indonesia Indah street, RW. 2, Ceger, Kota Jakarta Tiimur, Daerah Khusus Ibukota Jakarta. This building has a building area is 25.450 m<sup>2</sup> and land area is 19.327 m<sup>2</sup>. Taman Mini Indonesia Indah (TMII) Parking Structure builded because of G20 Event, a multilateral cooperation forum consisting of 19 major countries and the European Union (EU). Parking Structure Development menjadi one of the side G20 Event locations. The building consists of 4 floors, 1st floor is basement and 3 floors at the top. Development of the project began in April 2022 and is expected to be completed in December 2022. The Ministry of PUPR Cipta Karya applies as owner, PT. Hutama Karya (Persero) applies as the main contractor, and PT. Indah Karya applies as construction management. Value of this project is Rp.186,035,819,700.00. The type of contract used is lump sum. Calculation of the volume of concrete floor slabs are carried out to determine the amount of concrete volume and the required reinforcement requirements. Method of implementation of floor slabs is preparatory work, install of metal deck, install of wiremesh, and readymix casting. Volume of concrete 1st floor slabs zona 2 pada Parking Structure (Elevated) Development Project is 231,615 m<sup>3</sup>.*

*Keywords: Concrete, floor slabs, Calculation of Floor Slabs Volume*