

## **ABSTRACT**

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*Project for Construction of Indonesian International Islamic University Library and Mosque Building*

*Method of Precast Block Execution Method.*

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*(XIV + 79 + ATTACHMENT)*

*The Project for the Construction of a Library Building and Mosque at the International Islamic University of Indonesia is located on Jalan Raya Bogor Cisalak Sukmajaya Depok, West Java. The UII Depok Library is located on an area of 14,711 m<sup>2</sup>. The owner of the project for the Construction of a Library Building and Mosque at the International Islamic University of Indonesia is the Ministry of Public Works and Housing, Directorate General of Human Settlements, Directorate of Building Arrangement, Building Arrangement and Strategic Environment Development Work Unit, the Constitutional Court consultant in this project is PT. Widha KSO and PT. Saranabudi and the contractor in this project are PT. PP (persero) Tbk, in the construction project of the Library and Mosque Building of the International Islamic University of Indonesia, there are also several subcontractors among PT. PP (Persero) Tbk, PT. Jaya Abadi. The type of contract used in the construction project of the Library and Mosque Building of the International Islamic University of Indonesia is the Unit Price, with a contract value of Rp. 254,967,000,192.30. The construction of the library and mosque has a working period of 379 days and a maintenance period of 180 days. The method is carried out in block work. Based on the calculation of the number of reinforcing bars used for the top support is 1 rod, the amount of reinforcing steel used for the bottom support is 2 bars, the amount of reinforcing steel used by the middle support is 1 rod, while the need for Type 1 stirrup steel is 5 bars. Then the total number of reinforcing bars with diameter 10 is 8 pieces, the total number of reinforcing bars with diameter 19 is 2 pieces, the total number of reinforcing bars with diameter 22 is 4 pieces.*

*Keyword: Method of Execution, Block Work, Total Reinforcement.*