MODIFICATIONS OF THE PAKUBUWONO HOUSE APARTMENT USING PRESTRESSED BEAM

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Abstrak
The requirement for a place to stay in Jakarta is increasing. This is due to population growth and urbanization. Increased need for shelter is causing a growing demand for land. One solution to this problem is to build apartments, The Pakubuwono House.

The apartment Pakubuwono house in jakarta has 32 stories. This apartment is located on the Pakubuwono 6, Kebayoran, South Jakarta. The design of the structure based on SNI 03-1726-2010 and SNI 03-2847-2002.

The modification of the building changed from 32 stories to 10 stories and with a hall on top stories to fulfill more space on the hall, two columns reduced from a transversal bay, thus it made a beam with 25 meters span. This space dimension cause changed from a conventional reinforced beam to be a prestressed beam.

keywords: Apartment, Prestressed Beam, framework system
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