

ABSTRACT

QUALITY CONCRETE QUALITY ANALYSIS PAPA MAMA RESIDENCE RUKO PROJECT

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Concrete is often used as a building material by mixing portland cement, water and aggregates as well as chemical additives for certain purposes. This final report intends to know the quality of the concrete compressive strength in the Ruko Papa Mama Residences project whether it meets the f_c 'required according to the RKS.

The population of this study is all the development work that is on this project. As for the sample or example is a concrete work structure on the construction of the Ruko Papa Mama Residences project. By taking samples of concrete cylinders test on each structural element. The concrete used is ready mix concrete from PT. Citra Beton Yang located in Tanjung Uncang Batam. The slump value used in the project is 17 cm. The concrete quality used is the Laboratory of PT. Concrete Image. Data analysis using the results of concrete compressive strength aged 7, 14 and 28 days with an average of 3 groups of specimens in one mixture and the average value of 3 specimens in sequence.

From the results of tests conducted showed that at the age of 28 days the quality of the concrete produced was 25.3 MPa. The quality has met and exceeds the standards set by the company that is equal to 22.5 MPa. So that concrete was declared to have fulfilled the requirements for use.

Keywords : Concrete, Quality, Structure, Pressure