COMPARISON ANALYSIS OF SNI AND ACI STANDARD METHOD IN THE CALCULATION OF THE STRUCTURE OF THE HIGH RISE BUILDING

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ABSTRACT

Reinforced concrete is a combination of concrete and steel, which is the reinforcement of the structure that is used for is steel that already calculated for the area and are not less than minimum area of required reinforcement for a building to withstand the working forces.

Comparison of hotel wey-vey structural planning with SNI and ACI method is intended to have a required reinforcement area for slab, beam and column to withstand the working forces. The plan is refer to the SNI and ACI standard that is being used nowadays and the structure modeling is using ETABS v.2016.

From the result of the plan and calculation for the required reinforcement area using ACI method is slightly more efficient compared to SNI method with the radius of different are not exceed 12%.

Keywords: reinforcement, SNI, ACI, analysis