STRUCTURAL REDESIGN OF TOURIST INFORMATION CENTRE BUILDING WITH INTERMEDIATE MOMENT RESISTING FRAME SYSTEM (SRPMM)

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Abstract
The final report is taking Tourist Information Centre building as an object of re-planning design of the building which has located in Pacitan. In this final report, re-calculated about Tourist Information Centre building which use concrete slab of the roof is changed that use steel roof frame. It is intended to lighten the load to be taken into account in the primary structure.

The re-planning is done, which has refers to the regulations at SNI 03-2847-2002 on procedures for calculation of concrete structures for buildings, SNI 03-1726-2002 on planning standards for structural seismic resistance of buildings,(PBBI) in 1971, (PPUIG 1983) SNI 03-1729-2002. But, program SAP 2000 is used to analyze the structure of the calculation of internal forces that occur in the structure of the building.

The result from what the writer have done is that the top structure consists of thick floorplate 12 cm and steel roof frame; column dimension 40x40 cm; dimension of beam 30x50 cm; stair with 16 cm of uptrade height and 30 cm of ontrade width; while on bottom structure got Ø 35 cm with dimension of pilecape 200x200x40cm.

Keyword : IMRF, static equivalent