ABSTRACT
REDESIGN STRUCTURE
OF JASA MEDIKA BALI HOSPITAL
WITH SPECIAL MOMENT RESISTANT FRAME
SYSTEM METHOD

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In this project, drafter replanning structure of Putra Banda Aceh hospital building in Banda Aceh with SRPMK methode. The purpose of using SRPMK methods is to get building wich against earthquakes and unrealize breakable collapse.

The calculation which is did in replanning structure fitted with exist regulations, such as Tata Cara Perhitungan Struktur Beton Untuk Bangunan Gedung (SK SNI 03-2847-2002)“PBI 1971, Peraturan Pembebanan Indonesia Untuk Gedung (PPIUG 1983), and Peraturan Perancanaan Tahan Gempa Untuk Rumah Dan Gedung (SK SNI 03-1726-2002)

This final project process began with building structure design which including mapping, cutting of drawing, appearance, then continued by structure planning. Structure planning divide in three main groups such as prime structure (beam and column), secondary structure (secondary beam, plate and stairs) and under building (pile cap, sloof and foundation).

Burden of earthquakes on the structure calculated by spectrum respon method, where as for internal forces on the building components either secondary or prime using SAP 2000 support programming be considered on calculation and planning.
From the calculation have done, we realized in the structure detail drawings report from which is can be referred in development accomplishment.
Keyword: Building, Special Moment Resistant Frame System.