REVIEW DESIGN STURKTUR UTAMA BANGUNAN PADA GEDUNG DEKANAT FEBI KAMPUS II IAIN METRO

Chindra Susilarni

Universitas Muhammadiyah Metro, Kota Metro, Indonesia

E-mail : chincin88@gmail.com

Abstrak

Saat melaksanakan kerja praktek pada Gedung Dekanat Fakultas Ekonomi dan Bisnis peneliti melihat kokohnya desain struktur utama yang digunakan. Hal ini didasari saat peneliti melihat beberapa litelatur diantaranya Jurnal Sipil Statik Vol.4 No.4 April 2016 dengan judul Perencanaan Struktur Gedung Hotel Jalan Martadinata Manado dengan jumlah 4 lantai dan dimensi kolom 400x600 mm dan balok memanjang 250x350 mm serta Jurnal Konstruksi Vol.V No.6 Agustus 2016 hal 519-526 yang berjudul Analisis Perencanaan Gedung Kantor Samsat Kabupaten Kuningan Dengan Menggunakan Struktur Beton SNI 2013 dengan jumlah 4 lantai menggunakan dimensi balok 300x600 mm dan dimensi kolom 400x400 mm.

Kata kunci : Struktur, Beton, Beban, Momen, Tulangan, Gambar Kerja.

Abstrack

When carrying out practical work at the Dean Building of the Faculty of Economics and Business, researchers saw the robustness of the main structural design used. This is based on when the researchers looked at several literature including the Journal of Civil Statics Vol.4 No.4 April 2016 with the title Planning of the Building Structure for the Manado Martadinata Street Hotel with 4 floors and 400x600 mm column dimensions and 250x350 mm longitudinal beams. In planning the structure of the building, it is necessary to know the data and structure information, then begin with structural modeling with predetermined dimensions, followed by inputting the load on the structure, from dead loads, live loads, roof loads, earthquake loads, and combined loads after that are analyzed with the help of the program ETABS. After obtaining the dimensions of the reinforcement, it will be continued with the delineation of each beam, column and plate using the Autocad program.

Keywords: Structure, Concrete, Load, Moment, Reinforcement, Work Drawing.