

## ABSTRAKSI

### **METODE PELAKSANAAN DAN PENGENDALIAN MUTU PEKERJAAN DINDING GESER / *SHEAR WALL* PADA GEDUNG ADVANCED PHARMACEUTICAL SCIENCES LEARNING CENTER UNIVERSITAS GADJAH MADA**

Ines Adelina Pratiwi S

Proyek konstruksi membutuhkan dan harus melaksanakan proses pengendalian mutu baik dalam perencanaan maupun implementasi dilapangan termasuk pembangunan proyek Gedung Advanced Pharmaceutical Science Learning Center yang terdiri atas 8 lantai dengan 1 atap. Secara umum proyek ini dibagi menjadi dua bagian yaitu pekerjaan struktur bawah dan struktur atas dimana penulisan ini difokuskan pada struktur atas terkhusus pekerjaan dinding geser. Adapun tujuan akhir penulisan ini adalah mengetahui proses pengendalian mutu serta metode pelaksanaan yang digunakan dalam pekerjaan shearwall dalam proyek ini,serta mengetahui kesesuaian antara proses penegndalian mutu dilapangan sesuai dengan Rencana Kerja dan Syarat Syarat. Metode penelitian menggunakan metode kualitatif dengan mengolah dan menganalisis data hasil uji kuat tarik tulangan, kuat tekan beton, dokumen dokumen pengendalian mutu serta tahapan pelaksanaan pekerjaan dinding geser di lapangan. Hasil analisis tersebut, didapatkan hasil uji kuat tarik tulangan untuk baja tulangan menggunakan BJTD 25 sebagai tulangan utama dan BJTD 13 untuk tulangan pengikat dan hasil tersebut telah memenuhi spesifikasi. Pekerjaan bekisting dilapangan telah menggunakan bahan dan metode yang sesuai dengan perencanaan dan RKS. Pekerjaan pengecoran di lapangan digunakan beton dengan  $f_c' = 30$  Mpa dan dari hasil uji kuat tekan beton diperoleh hasil 34.28 MPa, yang berada diatas mutu beton dilapangan dan hal ini menunjukkan mutu beton telah memenuhi spesifikasi.

Kata Kunci : Analisis, Proses, Pengendalian Mutu, Metode, Penjaminan Mutu, Konstruksi, Dinding Geser,

## **ABSTRACT**

### **IMPLEMENTATION METHODS AND QUALITY CONTROL PROCESS SHEARWALL OF ADVANCED PHARMACEUTICAL SCIENCES LEARNING CENTER GADJAH MADA UNIVERSITY**

Ines Adelina Pratiwi S

Construction project need quality control process and must carry out quality control process to get higher quality both in planning the project and implementation the project in real situation. This idea applied the same thing in Advanced Pharmaceutical Sciences Learning Center construction which has eight floors with one rooftop. This project divide into two part of work namely the lower structure and the upper structure where the focus of this final paper is upper structure especially in shearwall construction. Final goal of this paper is to know how quality control process worked, how work method of shearwall construction, and to find out that implementation of quality control in shearwall construction had been fit in and runs with accordance with the Implementation and Test Plan Document. This Paper written with qualitative methode by analyse and processing the data of test results of tensile strength of reinforcement, compressive strength of concrete, quality control documents and implementation of shear wall construction in site. Result from data analysis obtained that tensile strength test for reinforcing steel using BJTD 25 as the main reinforcement and BJTD 13 for binding reinforcement and these results fit with spesification. Formwork construction has used materials and methods that are in accordance with the planning and ITP. Casting construction insite used concrete with  $f_c' = 30$  MPa and from the results of the concrete compressive strength test the results were 34.28 MPa, which was above quality of the concrete in site and this indicated that the quality of the concrete had reach specifications planning.

*Keyword : Analysis, Quality Control, Method, Quality Assurance, Construction, Implementation, Shear wall.*