

INTISARI

MEGA YOSHINTA, 2022, *Evaluasi Pengendalian Mutu Pendetailan Tulangan Shear Wall (Studi Kasus Proyek Gedung Hotel Bintaro Jaya Xchange Tahap II)*. (dibimbing oleh Agus Nugroho, S.T., M.T.)

Pendetailan tulangan dalam Proyek Gedung Hotel Bintaro Jaya Xchange Tahap II telah direncanakan sesuai dengan SNI 2847:2013. Mutu detail tulangan perlu dilakukan pengendalian dalam tahap pelaksanaan agar hasil yang diperoleh sesuai dengan perencanaan. Proses pengendalian mutu harus dilakukan dengan teliti agar tidak terjadi kesalahan detail tulangan. Pada penelitian ini dilakukan evaluasi pengendalian mutu pada pekerjaan pembesian khususnya mengenai detail tulangan *shear wall*. Evaluasi yang dilakukan bertujuan untuk mengetahui kinerja pengendalian mutu pendetailan tulangan *shear wall* berdasarkan persentase penyimpangan yang terjadi.

Penelitian ini menggunakan metode observasi dan survei. Metode observasi dilakukan dengan mengamati proses pengendalian mutu pekerjaan pembesian *shear wall*. Metode survei detail tulangan *shear wall* dilakukan dengan menggunakan teknik sampling.

Hasil dari penelitian ini menunjukkan bahwa masih terdapat ketidaksesuaian antara pengendalian mutu yang dilakukan di lapangan dengan SOP pengendalian mutu yang direncanakan dan pemeriksaan yang dilakukan kurang detail atau kurang sesuai dengan item pemeriksaan dalam formulir *check list*. Berdasarkan hasil survei detail tulangan, ditemukan adanya penyimpangan pada panjang kait tulangan horizontal/senggang, panjang penyaluran, tebal selimut beton, jumlah tulangan vertikal, jarak tulangan vertikal, dan jumlah tulangan pengikat silang. Hasil analisis pareto berdasarkan kuantitas penyimpangan yang terjadi menunjukkan penyimpangan dominan yaitu penyimpangan panjang kait tulangan horizontal/senggang sebesar 41%, penyimpangan panjang penyaluran tulangan sebesar 29%, dan tebal selimut beton sebesar 13%.

Kata kunci: Pengendalian mutu *shear wall*, detail tulangan, analisis pareto.

ABSTRACT

MEGA YOSHINTA, 2022, Evaluation of Reinforcement Details Quality Control in Shear Wall (Case Study: Bintaro Jaya Xchange Hotel Building Project Phase II). (supervised by Agus Nugroho, S.T., M.T.)

Reinforcement details in the Bintaro Jaya Xchange Hotel Building Project Phase II have been planned in accordance with SNI 2847:2013. The quality of the reinforcement details needs to be controlled at the implementation stage so that the results obtained are in accordance with the plan. The quality control process must be carried out carefully so that there are no errors in the reinforcement details. In this study, an evaluation of quality control was carried out on iron work, especially regarding the details of shear wall reinforcement. The evaluation carried out aims to determine the quality control performance of shear wall reinforcement detailing based on the percentage of deviations that occur.

This study uses observation and survey methods. The method of observation is carried out by observing the quality control process of the shear wall ironing work. The survey method for shear wall reinforcement details is carried out using a sampling technique.

The results of this study indicate that there is still a discrepancy between the quality control carried out in the field with the planned quality control SOP and the inspection carried out is less detailed or not in accordance with the inspection items in the check list form. Based on the results of the detailed reinforcement survey, it was found that there were deviations in the length of the horizontal bar/hoop bars, the distribution length, the thickness of the concrete cover, the amount of vertical reinforcement, the distance of the vertical reinforcement, and the amount of cross-link reinforcement. The results of the Pareto analysis based on the quantity of deviations that occur show the dominant deviations, namely the deviation of the length of the horizontal reinforcing bar/hoist by 41%, the deviation of the length of the reinforcement distribution by 29%, and the thickness of the concrete cover by 13%.

Keywords: Quality control of shear wall, reinforcement detail, Pareto analysis.