

ABSTRACT

LADDER STRUCTURE ANALYSIS AT MITRA JUNCTION SHOPHOUSE DEVELOPMENT PROJECT

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After understanding the work of the author hopes to increase knowledge of experience and understand the theory in this study This research discusses and implements in real life. The activity approved by practical work in this field was carried out in the townhouse Junction townhouse construction project carried out by PT. Harapan Cipta Persada. PT. Harapan Cipta Persada is engaged in developers and contractors. The purpose of developing this project is to support an area in supporting it by achieving various needs in the community and increasing aspects in the environment and filling in the allotment of land in the city of Batam. The implementation of the field practice work began in the period November 6, 2017. February 6, 2018.

In making a report on the problem of practical work, for how to prove the data the author's practical work carried out literature studies, field studies and interviews. This report on practical work assignments discusses the calculation of construction in the Ruko Junction Building Construction project. Regarding ladder to use data Attention related to the construction sector is structural material data, dead load, live load, factored plan load, ladder moment related to factored load and reinforcement of the ladder itself. Calculation results on 20MPa concrete quality ladder, 400MPa threaded steel reinforcement quality, and plain 320MPa iron reinforcement.

Key words: construction of stairs, followed the imposition of Indonesia For the building (PPIUG) 1983.