

CHAPTER 1

INTRODUCTION

1.1. Background

The Advisory Board's feedback led to the conclusion that graduates abilities and the demands of the business and industrial world did not match up. Direct learning experiences in the field are necessary to supplement the knowledge that students acquire during their college years. The goal is to generate graduates who perform exceptionally well in business and industrial world competitions.

The *Merdeka Belajar Kampus Merdeka* (MBKM) Internship Program is a valuable opportunity for students to develop knowledge, skills, and practical experience directly in the world of work. Learning in the *Merdeka Campus* independent internship program provides challenges and opportunities to develop students' innovation, creativity, capacity, personality, and needs, as well as developing independence in seeking and discovering knowledge through the realities and dynamics of the field.

Merdeka Belajar Kampus Merdeka Internship in Civil Engineering Program Atma Jaya Yogyakarta cooperate with Davy Sukamta & Partners, an engineering consulting firm, located in South Jakarta. Writer has opportunity to work as engineering department which in charge defining reinforcement calculation design of slab, beam, column, ladder, regarding on 3D model which already made. The results and activities of this internship activity will be used as the structural design aspect for final project report.

1.2. Limitation

The limitation in this report is designing concrete structural reinforcements based on the analysis made by the Davy Sukamta Partner project team during internship activities based on the structure drawing.

1.3. Purpose

1.3.1. Internship

1. Acquire experience and knowledge about consulting firm jobs.
2. Learn about planning design which is done by consulting firm.
3. Implement and compare the knowledge student get from lecturer class into real building consulting firm condition.

1.3.2. Final Project

1. Make structural design of Convention and Exhibition Centre Building.
2. Estimate materials that be used in structural design.

