A STUDY OF THE IMPACT OF CONSTRUCTION ACCIDENTS ON THE PROJECT CONTINUITY

Final Project Report

as one of requirement to obtain S1 degree of

Universitas Atma Jaya Yogyakarta

By:

KARTIKA IRIANTHY ZEBUA

NPM. : 11 13 13888

INTERNATIONAL S1 PROGRAM

DEPARTMENT OF CIVIL ENGINEERING

FACULTY OF ENGINEERING

UNIVERSITAS ATMA JAYA YOGYAKARTA

YOGYAKARTA

2014

STATEMENT

I signed below stating that the final project with title:

"A STUDY OF THE IMPACT OF CONSTRUCTION ACCIDENTS ON THE PROJECT CONTINUITY"

It is the result of my own work and not a result of plagiarism of other people's work. Ideas, research data, and quotes directly or directly derived from the writings or ideas of others expressly provided in this Final Project. If it is proved later that this Final Project is the result of plagiarism, which I get the certificate would be canceled and I will return to the Rector of Universitas Atma Jaya Yogyakarta.

Yogyakarta, January 2015

Who made the remarks,

Kartika Irianthy Zebua

APPROVAL

Final Project

A STUDY OF THE IMPACT OF CONSTRUCTION ACCIDENTS ON THE PROJECT CONTINUITY

By:

KARTIKA IRIANTHY ZEBUA

11 13 13888

Has been approved

Yogyakarta, 21/1/15

Advisor,

(A. Koesmargono Ir. M.C.M., Ph.D)

Approved by:

Head of Civil Engineering Department,

(Ir. Juliuar Sudjati, ST., MT)

iii

APPROVAL

Final Project

A STUDY OF THE IMPACT OF CONSTRUCTION ACCIDENTS ON THE PROJECT CONTINUITY

By:

KARTIKA IRIANTHY ZEBUA

11 13 13888

Has been examined and approved by the examination committee

		Name	Signature	Date
Chairperson	:	KOESMARGONO		21/1/15
Member	:	JOHN TRI HATTOKO		21/1/15
Member	:	PETER KAMING		21/1/15

iv

ACKNOWLEDGEMENTS

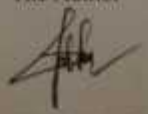
First and foremost, I would like to thank to Jesus Christ for the blessing, therefore I can prepare and finish this final project well. In this opportunity, I would like thank to:

1. Koesmargono Ir. M.C.M., Ph.D. as my advisor for his advice and counseling.
2. Anastasia Yunika, S.T., M. Eng. as Coordinator of International Civil Engineering.
3. J. Januar Sudjati, ST., MT. as the head of Civil Engineering Department of Universitas Atma Jaya Yogyakarta.
4. All lectures in civil engineering especially in international program, therefore I can graduate from Universitas Atma Jaya Yogyakarta.
5. My lovely family especially for my parents, my sisters and brother for their love, affection, orison, and support.
6. My boyfriend, Michael Abraham Wahyu Dwi Atmojo, for all support, love, and help.
7. My friends in international program, Dea, Dhoni, Justi, Johan, Wira, and Arif for the support and help.
8. All parties that I cannot be mentioned all, thank you for your support and help.

I realize, this report has some mistakes. Therefore, I would like to apologize for that. Finally, I hope this report may be useful for the reader and me.

Yogyakarta, January 2015

The Author



Kartika Irianthy Zebua

11 13 13888

TABLE OF CONTENT

CHAPTER III METHODOLOGY

CHAPTER IV DATA ANALYSIS AND DISCUSSION

LIST OF TABLE

ABSTRACT

A STUDY OF THE IMPACT OF CONSTRUCTION ACCIDENTS ON THE PROJECT CONTINUITY, Kartika Irianthy Zebua, Student Number 11.13.13888, year of 2015, Construction Management, Civil Engineering International Program, Faculty of Engineering, Universitas Atma Jaya Yogyakarta.

Construction workers have significant portion in every engineering project. They build roads, houses and also repair and maintain public infrastructures. Construction workers have the highest possibility to experience accident, some of them experience fatal injuries during do their work in the project. The number of worker injury in Indonesia is one of the highest in ASEAN. Based on earliest BPJS data almost 32% the accident are happened at construction sector include all projects like buildings, roads, bridges, tunnels, etc. This fact clarify that labor safety need more attention, there are many factors that have to be considered to prevent the loss of accident. Based on that explanation, author is interested to investigate about the impact of construction accident toward project continuity.

Instrument used for this study is questionnaire which consists of three independent variable; Accident Intensity, Lost of Cost, Lost of Work time, and dependent variable about project continuity that has aim to measure the influence level of accident toward project continuity. Obtained data was analyzed using SPSS that consists of Percentage analysis, Mean analysis, and Pearson's Correlation analysis, T Test, and F Test.

From the result of data analysis showed that type of injuries from accidents that most often occur in construction projects is a surface injury. A type of injuries from accidents that require the highest medical costs in construction projects is bruised. A type of injury due to an accident that result the highest loss of working time in construction projects is bruised. There are 35.9% of respondent asses if the influence level of accident intensity towards project continuity is in neutral level. 32.8% of respondent asses if the influence level of lost of cost towards project continuity is in neutral level. 29.7% of respondent asses if the influence level of lost of work time towards project continuity is in influence level.

Key Words: project continuity, construction management, accident, Pearson's Correlation, questionnaire.