

TESIS

**EXPLORING SAFETY MANAGEMENT AT  
CONSTRUCTION SITE  
(CASE STUDY –FIJI ISLANDS)**



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UNIVERSITAS ATMA JAYA YOGYAKARTA

2019



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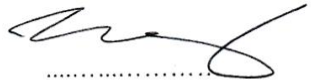
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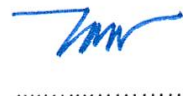
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## **ABSTRACT**

Having a comfortable safe office environment is best for office workers to perform their duties, however for constructions workers on site is totally a different story. In line with proposed future construction developments that are in place, the construction industry will be growing rapidly in the coming year in Fiji. It will involve a larger number of workers to participate and engaged in these various projects. Nevertheless, cases of workplace injuries always happen.

The current study was conducted with its aim to contribute to help in understanding the knowledge of site safety management. The objectives of this research are to identify the current safety practices at construction sites, to identify the safety practices related problems and to identify the strategies to reduce the safety practices related problems. To achieve the objective of this study, two case studies were conducted for data collection. Data were collected through semi-structured interviews with the safety representative and safety manager of the respective project. Qualitative analysis and cause effect technique was adopted to explore in depth overview on the understanding of implementation of site safety management for both the cases.

From the research findings, it is concluded that in general, the construction site has well-structured safety practices in place. These safety practices are safety policy, safety inspection, safety zones, personal protective equipment, safety training, safety meetings, emergency support, and fall systems. However, there were few problems being identified that are encountered with these safety practices. These are poor communication at the site, poor management commitment, poor behaviour and attitude of workers, and lack of funds. To reduce the safety practices related problems, some strategies have been identified such as providing effective safety training, full commitment from the management team, allocation of sufficient budget and issuing of fine and penalties to unsafe behaviours.

The findings of this research would contribute and can be used as a source of reference to various government and non – government construction departments on the aspects of site safety management not only towards the construction industry within the Central Division but the economy as a whole.

**Keywords:** Safety management, construction site, practices.

## INTISARI

Memiliki lingkungan kantor yang nyaman dan aman adalah yang terbaik bagi pekerja kantor untuk melakukan tugasnya, namun untuk pekerja konstruksi di lapangan adalah cerita yang berbeda. Sejalan dengan usulan pembangunan konstruksi masa depan yang ada, industri konstruksi akan tumbuh pesat di tahun mendatang di Fiji. Hal ini akan melibatkan lebih banyak pekerja untuk berpartisipasi dan terlibat dalam berbagai proyek ini. Namun demikian kasus cedera di tempat kerja selalu terjadi.

Studi saat ini dilakukan dengan tujuan untuk berkontribusi dalam membantu memahami pengetahuan manajemen keselamatan. Tujuan dari penelitian dimaksudkan untuk mengidentifikasi praktik keselamatan di lokasi konstruksi, mengidentifikasi masalah terkait praktik keselamatan, dan mengidentifikasi strategi untuk mengurangi masalah terkait praktik keselamatan. Untuk mencapai tujuan penelitian ini, dua studi kasus dilakukan untuk pengumpulan data. Data dikumpulkan melalui wawancara semi-terstruktur dengan perwakilan keselamatan dan manajer keselamatan dari masing-masing proyek. Analisis kualitatif dan teknik sebab akibat diadopsi untuk mengeksplorasi tinjauan mendalam tentang pemahaman penerapan manajemen keselamatan di tempat kerja untuk kedua kasus.

Dari temuan penelitian, disimpulkan bahwa secara umum praktik manajemen keselamatan di lokasi konstruksi sudah terstruktur dengan baik. Praktik keselamatan ini adalah kebijakan keselamatan, inspeksi keselamatan, zona keselamatan, peralatan pelindung diri, pelatihan keselamatan, pertemuan keselamatan, dan sistem dukungan dan jatuh darurat. Namun, ada beberapa masalah telah diidentifikasi yang dihadapi dengan praktik keselamatan ini, yaitu komunikasi yang buruk di lokasi, komitmen manajemen yang buruk, perilaku dan sikap pekerja yang buruk, serta kurangnya dana. Untuk mengurangi masalah terkait praktik keselamatan, beberapa strategi telah diidentifikasi seperti memberikan pelatihan keselamatan yang efektif, komitmen penuh dari tim manajemen, alokasi anggaran yang cukup dan pemberian denda dan hukuman untuk perilaku yang tidak aman.

Temuan penelitian ini akan berkontribusi dan dapat digunakan sebagai bahan masukan untuk berbagai departemen konstruksi pemerintah dan non-pemerintah tentang manajemen keselamatan tidak hanya terhadap industri konstruksi dalam Divisi Pusat tetapi ekonomi secara keseluruhan.

Kata kunci: Manajemen keselamatan, lokasi konstruksi, praktik.

## ACKNOWLEDGEMENT

I would first like to thank the Lord God Almighty for his provision and grace in giving me the strength, courage and wisdom to endure during the conducting and compiling of this research paper.

I also would like to thank my thesis advisors, Ir. Ambrosius Koesmargono and Dr.Ir. Wulfram I. Ervianto (Faculty of Civil Engineering, Universitas Atma Jaya Yogyakarta) for their continuous support and guidance in the preparation of the study. Without their invaluable supervision, all my efforts could have been short-sighted. Thank you for your advice and time.

Special thanks to the government of Indonesia under the KNB scholarship program and the Universitas Atma Jaya Yogyakarta for accepting me as a candidate for this lovely program, and for all the great assistance and help that you have provided.

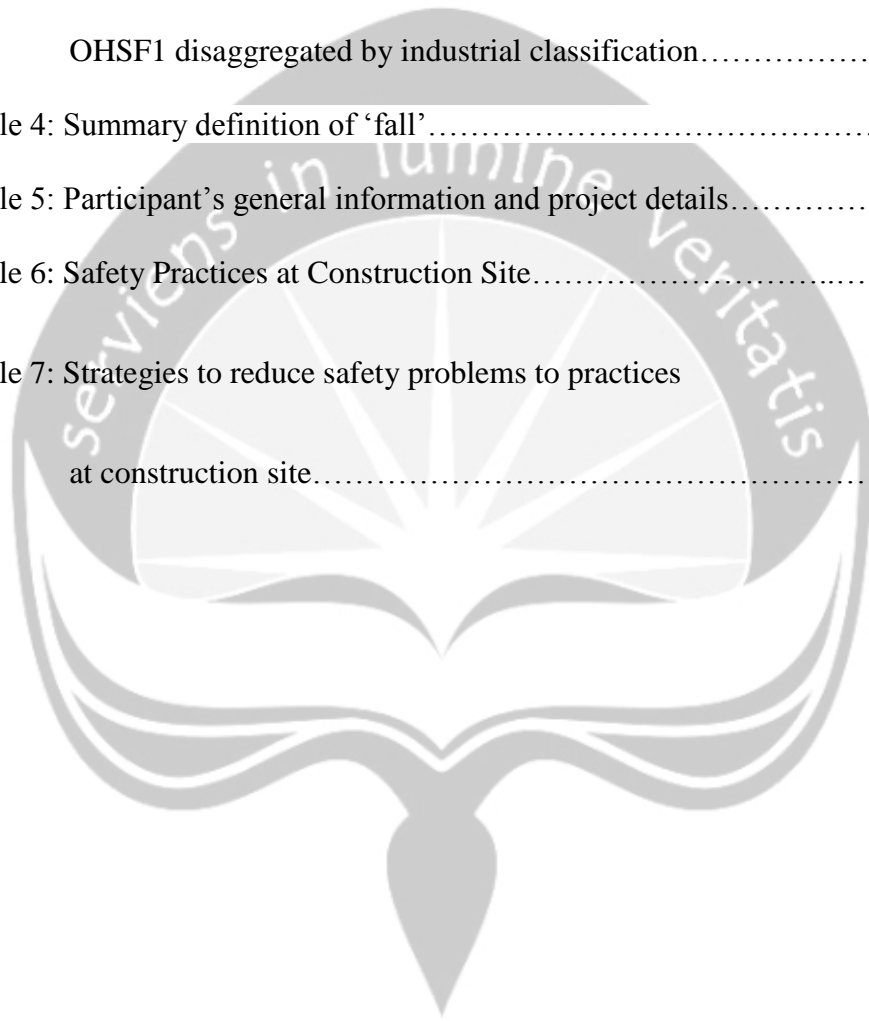
Sincere thanks go out towards research respondents who participated in providing valuable data for the research study. Thank you for your act of kindness and support that I am greatly indebted to.

Lastly, I would like to express my sincere gratitude to my dear parents, and friends for their endless support, prayers and love and anyone else that might have helped me to successfully carry out this research activity.

Yogyakarta, October, 2019

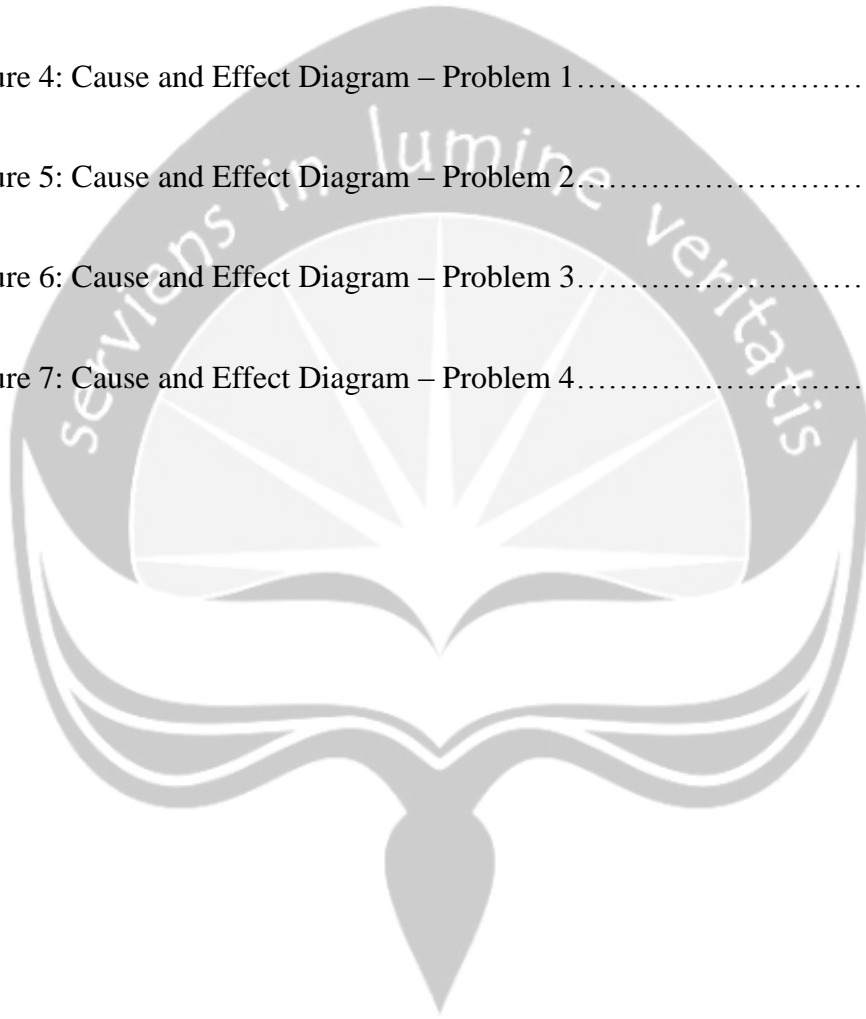
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## LIST OF ABBREVIATION

AIHA American Industrial Hygiene Association

ILO International Labour Organisation

OHA Occupational Health and Safety

OSH Occupational Safety and Health

OSHA Occupational Safety and Health Association

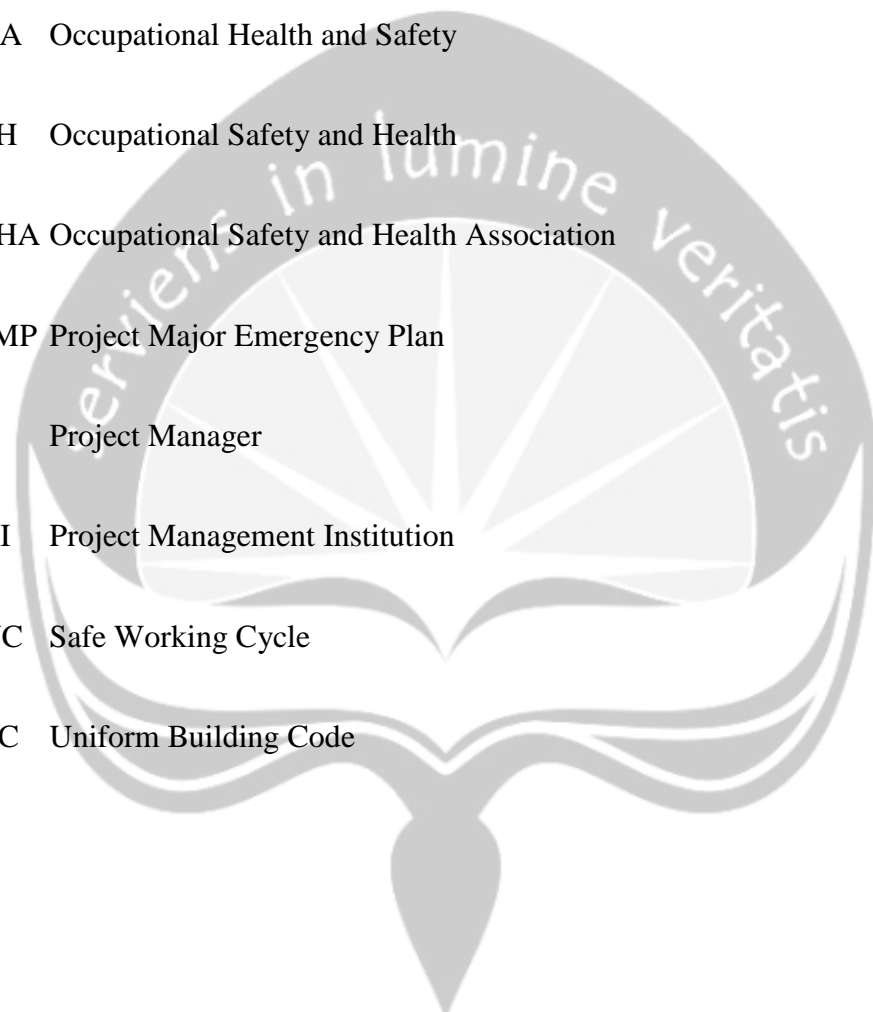
PEMP Project Major Emergency Plan

PM Project Manager

PMI Project Management Institution

SWC Safe Working Cycle

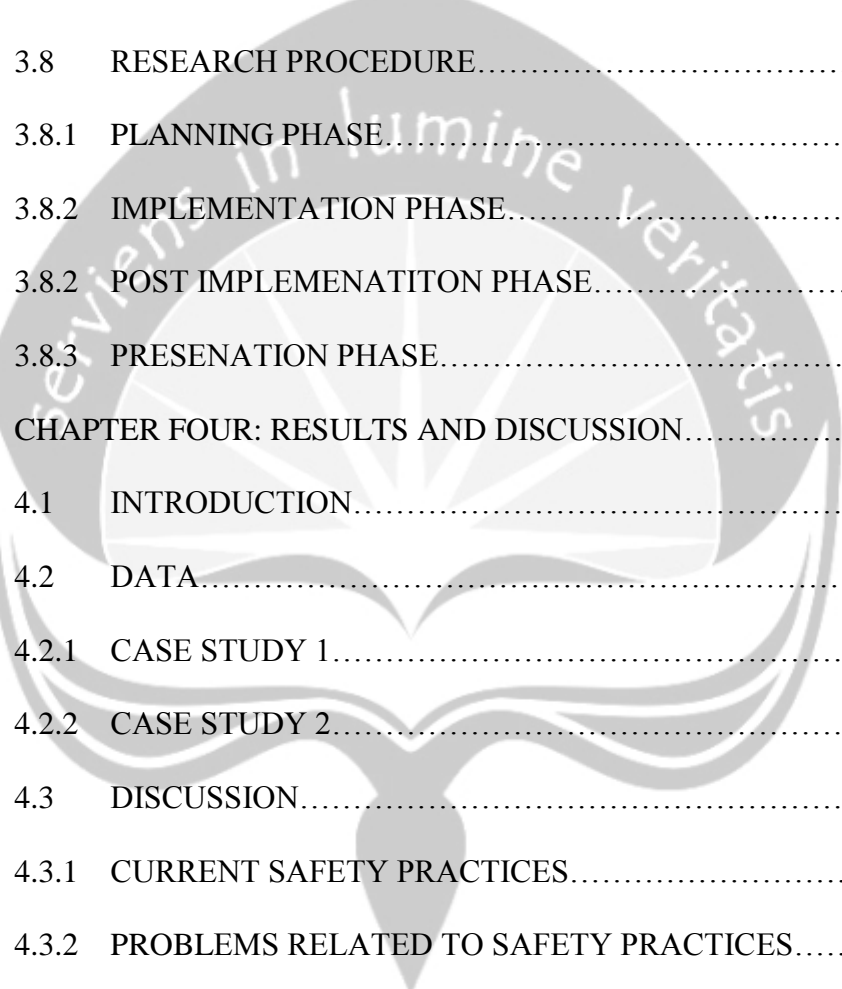
UBC Uniform Building Code



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