

**DEVELOPMENT OF CLEANLINESS
FRAMEWORK FOR MALAYSIAN
CONSTRUCTION INDUSTRY**

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**Bachelor of Engineering (Hons) Civil
(Infrastructure)
UNIVERSITI TEKNOLOGI MARA
JANUARY 2018**

**DEVELOPMENT OF
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CONSTRUCTION INDUSTRY**

By

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This report is submitted as a
partial requirement for the degree of
Bachelor of Engineering (Hons) Civil (Infrastructure)

**UNIVERSITI TEKNOLOGI MARA
JANUARY 2018**

DECLARATION OF CANDIDATES

I declare that the work in this thesis was carried out in accordance with the regulations of Universiti Teknologi MARA. It is original and is the results of my own work, unless otherwise indicated or acknowledged as referenced work. This topic has not been submitted to any other academic institution or non-academic institution for any degree or qualification.

I hereby, acknowledge that I have been supplied with the Academic Rules and Regulations for Under Graduated, Universiti Teknologi MARA, regulating the conduct of my study and research.

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ABSTRACT

Nowadays, construction industry had faced an increasing number of health problems that have related with the cleanliness issues at the construction site area. This is occurring due to massive development of construction project in Malaysia and lack of awareness from all people involved in the construction field. The aims of this study are to examine the cleanliness contribution factors and identify the related acts implemented for cleanliness at construction site. By identify the contribution factors, thus the construction cleanliness framework can be implemented and practices more effectively. The research uses case study as research methodology and the analysis is based on the primary data through expert interviews and site observation at Air Separation Unit Construction Plan inside of Refinery and Petrochemical Integrated Development (RAPID), Pengerang, Johor which is also involve infrastructure works. In addition, the data were analysed and presented by using graphical method and Nvivo software. The result shows that the main contribution factor for cleanliness comes from worker's personal hygiene, canteen, littering problem and lack of management rules. Therefore, area like working area, canteen, store, smoking shelter, worker's rest area and toilet are the place that needs to give extra attention in the construction cleanliness plan because these areas are the most contribution factor to the cleanliness at construction site. The Acts that are been using for cleanliness at site are Occupational Safety and Health Act (OSHA) 1994, Destruction of Disease-Bearing Insect Act 1975, Prevention and Control of Infections Disease Act 1988 and *Akta Lembaga Pembangunan Indusrti Pembinaan Malaysia 1994*.

ACKNOWLEDGEMENT

Alhamdulillah, all the honours are just for Allah SWT, the Almighty. It is pleasure to be thankful to various people who contributed in this research. First of all, special appreciation goes to my supervisor, Madam Siti Hafizan Binti Hassan for her supervision and constant support. Her invaluable help, experience, expertise, advice with the constructive comments and suggestion throughout this research work have contributed to the success of this report.

Next, I am also blessed to have the utmost support and continuous encouragement from my parents and family. In addition, I also want to express gratitude to the entire Faculty of Civil Engineering lecturers and members for their help and supports.

Last but not least, I also place my sense of gratitude and appreciation to all whom directly and indirectly have helps contributed to the successful completion of this research.