

**EFFECTS OF THE ENVIRONMENTAL, OCCUPATIONAL
SAFETY AND HEALTH REGULATIONS TOWARDS THE
SUCCESSFUL COMPLETION OF A PROJECT**

SUSIE NADYA ANAK DAVID ASEN

**B.Eng (Hons) (Civil)
UNIVERSITI TEKNOLOGI MARA
2007**

**EFFECTS OF THE ENVIRONMENTAL, OCCUPATIONAL
SAFETY AND HEALTH REGULATIONS TOWARDS THE
SUCCESSFUL COMPLETION OF A PROJECT**

By

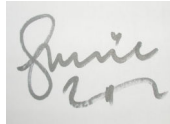
SUSIE NADYA ANAK DAVID ASEN

Report is submitted as
the requirement for the degree of
Bachelor Engineering (Hons) (Civil)

**UNIVERSITI TEKNOLOGI MARA
MAY 2007**

DECLARATION BY THE CANDIDATE

I, Susie Nadya anak David Asen, 2004335634, confirm that the work is my own and that the appropriate credit has been given where reference has been made to the work of others.

A square box containing a handwritten signature in cursive script, which appears to read 'Susie' followed by a flourish.

(14th May 2007)

ACKNOWLEDGEMENT

I would like to thank God for His blessings throughout my Final Year Project from the very beginning until the completion of my report.

I would also like to express my sincere gratitude to Encik Abdul Rahman, my supervisor of my Final Year Project, for his guidance and support, not forgetting also for his trust on me that my Final Year Project would be a success.

Special thanks also Dr. Teoh Sian Hoon for her invaluable advice in helping me with my data analysis. Also to all the companies involved in the survey, from the bottom of my heart, I would like to express my heartfelt gratitude.

Last but not least, many thanks are also dedicated to my friends and to all who have been directly or indirectly involved in my Final Year Project. Their love and support are very much appreciated and will always be remembered.

ABSTRACT

A successful project normally depends on the ability to finish within the scheduled time and allocated budget. Contractors are also very keen to ensure that it satisfies the needs of the clients. Fulfilling these three elements which they often see as the key performance to obtain success and the maximum profit, they tend to forget two basic elements which are the environmental factor and the safety and health factor. Most construction companies seem to avoid these two elements since their contribution towards a project could be seen very insignificant. However, for long term success, both elements are in fact very significant. Therefore, the government has set the regulations in order to be obliged by the construction companies.

For instance, the Environmental Quality Act 1974 (Act 127) and the Environmental Impact Assessment (EIA) are tools used to assess the overall impact on the environment of the development projects. As for the safety and health management, the performance of the construction project should always be monitored to reduce the statistics of accidents at construction site. Therefore, the Occupational Safety and Health Act 1994 (Act 514) was implemented by the Department of Safety and Health.

This study was carried out by distributing questionnaires to construction companies around Penang, especially Seberang Perai, Kepala Batas, Bukit Mertajam and Georgetown. The purpose of the survey was to identify and determine the most significant effect of the environmental, occupational safety and health regulations towards the success of project based on the respondent's experience in the industry. Main focus to respond is those with technical background and has been involved in the industry.

From the data analysis by the SPSS program, the findings of the study showed that most construction companies agreed that both the regulations are very essential in achieving a quality product. However due to some constraint in complying with the requirements, they tend to neglect or put it as the least priority in their project target list.