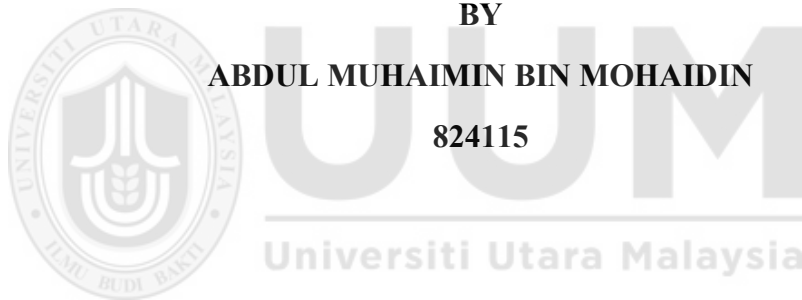


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**FACTORS CONTRIBUTE TOWARDS SAFETY AWARENESS AMONG
STUDENTS IN TEACHING LABORATORIES AT NORTHERN PENINSULAR
OF MALAYSIA PUBLIC UNIVERSITY**



BY

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824115

Thesis Submitted to

School of Business Management

College of Business

**Universiti Utara Malaysia, In Fulfillment of the Requirement for the Master of
Science (Occupational Safety & Health Management)**

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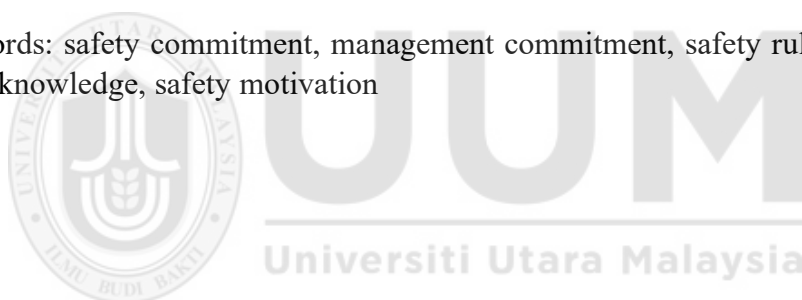
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ABSTRACT

The purpose of this study is to determine the relationship of safety commitment, management commitment and safety rules and procedure towards safety awareness among student in teaching laboratories at public university. The independent variables are safety commitment, management commitment, safety rules and procedures while the dependent variable is safety awareness. A total of 250 participated in this study by answering survey questionnaire. Data was collected through 55 items questionnaires on a five-point Likert scales and another 7 items were demographic questions. Data was analyzed using descriptive statistics (mean and standard deviation) and inferential statistics (correlation and multiple regressions). The findings from this study showed that safety commitment, management commitment, safety rules and procedure have significant relationship with safety awareness. Based on multiple regression result, among independent variables, safety commitment shows the highest level of regression variance accounted for safety awareness variables which is 39% of the factors studied. The most influential factor is safety commitment, followed by management commitment and safety rules and procedure. The recommendation is students should be more responsible and commit to comply the regulation of Occupational Safety and Health (OSH) in the area of teaching laboratories in the public university. Furthermore, faculty management should encourage student participation in programme of OSH (Occupational Safety and Health) organized by the faculty of management is important.

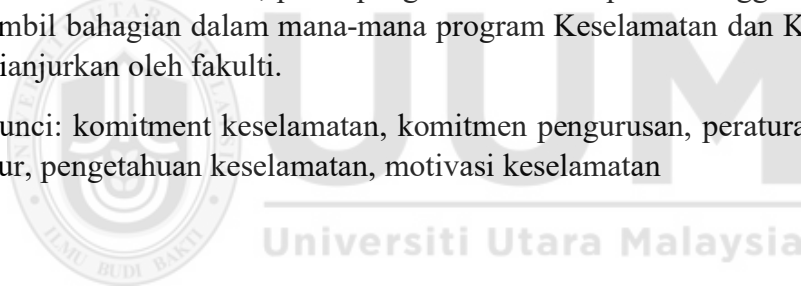
Keywords: safety commitment, management commitment, safety rules and procedures, safety knowledge, safety motivation



ABSTRAK

Tujuan kajian ini adalah untuk mengetahui hubungan komitmen keselamatan, komitmen pengurusan dan peraturan keselamatan serta prosedur terhadap kesedaran keselamatan dalam kalangan pelajar di makmal pengajaran di universiti awam. Pemboleh ubah bebas adalah komitmen keselamatan, komitmen pengurusan, peraturan keselamatan dan prosedur sementara pemboleh ubah bergantung adalah kesedaran keselamatan. Sebanyak 250 orang mengambil bahagian dalam kajian ini dengan menjawab soal selidik tinjauan. Data dikumpulkan menerusi 55 item soal selidik yang menggunakan skala Likert lima mata dan tujuh item lagi adalah soalan demografi. Data dianalisis menggunakan statistik deskriptif (min dan sisihan piawai) dan statistik inferensi (korelasi dan regresi berganda). Dapatan dari kajian ini menunjukkan bahawa komitmen keselamatan, komitmen pengurusan, peraturan dan prosedur keselamatan memiliki hubungan yang signifikan dengan kesedaran keselamatan. Berdasarkan hasil regresi berganda menunjukkan bahawa pemboleh ubah bebas yang menyumbang sebanyak 39% ke atas kesedaran keselamatan. Pemboleh ubah yang paling berpengaruh adalah, komitmen keselamatan, diikuti dengan komitmen pengurusan dan peraturan dan prosedur keselamatan. Saranan yang harus diambil ialah pelajar harus lebih bertanggungjawab dalam mempraktikkan peraturan Keselamatan dan Kesihatan Pekerjaan semasa menggunakan makmal pengajaran di universiti awam. Selain itu, pihak pengurusan fakulti perlu menggalakkan pelajar untuk mengambil bahagian dalam mana-mana program Keselamatan dan Kesihatan Pekerjaan yang dianjurkan oleh fakulti.

Kata kunci: komitmen keselamatan, komitmen pengurusan, peraturan keselamatan dan prosedur, pengetahuan keselamatan, motivasi keselamatan



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CHAPTER 1

INTRODUCTION

This chapter describes the background of the study and critical discussion on the problem statement related current issues. The research questions, research objectives, scope of the study, significance of the study and definition of key terms for this study were also mentioned.

1.1 Background of the Study

The primary goal of Occupational Safety and Health (OSH) is to protect the safety, health and well-being of workers in the workplace. Alli (2008) describes Occupational Safety and Health (OSH) as a science of the anticipation, recognition, assessment and control of creating hazards in the workplaces that may harm the health and well-being of employees. Besides that, Ganesh and Krishnan (2016) discovered, safety practices it is an essential element of an organisation for the growth of the safety performance and morale of employees, and financial implications of the organisation (Ganesh & Krishnan 2016). A safe working environment created the safety and health of employees, which benefits organisation's productivity and economic productivity of a country (de Kok, Deijl, & Veldhuis-Van Essen, 2013) whereas unsafe working conditions are likely to have an impact on employees.

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APPENDIX A: QUESTIONNAIRE SET

UNIVERSITI UTARA MALAYSIA



QUESTIONNAIRE

“The relationship between employees safety commitment, management commitment and,safety rules and procedures towards safety awareness among students in teaching laboratories at public university in Northern Peninsular of Malaysia”

SECTION A: DEMOGRAPHIC CHARACTERISTICS

The following questions deals with the basic information about yourself.

1.1 Gender

Male

Female

1.2 Race

Malay

Chinese

Indian

Others :

1.3 *Age*

18 – 24

25 – 34

35 – and above

1.4 *Marital status*

Single

Married

1.5 *Education level*

Postgraduate

Undergraduate

1.6 *Length of study in university*

1 - 4 tahun

5 - 9 tahun

1.7 *Accident history*



UUM
Universiti Utara Malaysia

Yes

No

Skala Penentu / Rating Scale

Sangat tidak setuju/ <i>Strongly disagree</i>		←—————→			Sangat setuju/ <i>Strongly agree</i>	
1	2	3	4	5		

SECTION B: EMPLOYEES SAFETY COMMITMENT

No		Strongly disagree	Disagree	Neutral	Agree	Strongly Agree
1	I would not be worried about hazard and risk at my laboratory	1	2	3	4	5
2	I am willing to do extra jobs in order to improve the safety environment at my laboratory	1	2	3	4	5
3	Students here are not happy to wear the personal protective equipments	1	2	3	4	5
4	I really care about safety procedures and regulations at my laboratory	1	2	3	4	5
5	I am willing to put in great effort to achieve safety goals.	1	2	3	4	5
6	Near-miss accidents are not important in safety records	1	2	3	4	5
7	I never give cooperation to my laboratory assistant about safety issues.	1	2	3	4	5
8	I would like to obey the safety regulations in order to keep laboratory safe.	1	2	3	4	5

9	All students should be actively involved in safety promotion activities	1	2	3	4	5
10	I would be extremely glad to be a member of a safety committee at my faculty	1	2	3	4	5
11	I would like to be involved in safety discussion at my faculty.	1	2	3	4	5
12	I am ready to involve myself in the faculty safety activities.	1	2	3	4	5
13	It is very important to work in a safe environment.	1	2	3	4	5
14	I would not feel guilty if I used a “shortcut” while completing my practical job in my laboratory.	1	2	3	4	5
15	I really would like to take part in occupational safety rule / procedure / regulation reviews in my faculty	1	2	3	4	5
16	Safety procedures and regulations reflect the safest techniques of doing a practical task in my laboratory	1	2	3	4	5
17	I think putting more effort into understanding all safety rules is a waste of time.	1	2	3	4	5
18	It is student duty and responsibility to support and encourage their classmate to obey the safety rules / procedures / regulations in the laboratory	1	2	3	4	5
19	I would like to be involved in the safety goal planning at faculty	1	2	3	4	5
20	I will ensure the risks are assessed before starting my	1	2	3	4	5

	practical job in my laboratory					
21	I always ensure that the safety equipment is working properly before I start a practical task in my laboratory	1	2	3	4	5
	SECTION C: MANAGEMENT COMMITMENT					
1	Safety is given high priority by the faculty management	1	2	3	4	5
2	Safety rules and procedures are strictly followed by the faculty management	1	2	3	4	5
3	Corrective action is always taken when the faculty management is told about unsafe practices in laboratory	1	2	3	4	5
4	In my faculty, management of faculty do not show interest in the safety of students in the laboratory					
5	Faculty Management considers safety to be equally important as safety environment in my faculty	1	2	3	4	5
6	Members of the faculty management do not attend safety meetings.	1	2	3	4	5
7	I feel that faculty management is willing to compromise on safety for increasing safety environment in my faculty	1	2	3	4	5
8	When near-miss accidents are reported in the laboratory, my faculty management acts quickly to solve the problems	1	2	3	4	5
9	My faculty management provides sufficient personal protective	1	2	3	4	5

	equipment for the students in the laboratory					
SECTION D : SAFETY RULES AND PROCEDURES						
1	The safety rules and procedures followed in my faculty are sufficient to prevent incidents from occurring	1	2	3	4	5
2	The facilities which are provided by the Occupational Safety and Health Committee are not adequate to meet the needs of the faculty.	1	2	3	4	5
3	My laboratory assistant and lecturers always try to enforce safe working procedures	1	2	3	4	5
4	Safety inspections are carried out regularly in my faculty	1	2	3	4	5
5	The safety procedures and practices in this laboratory are useful and effective	1	2	3	4	5

SECTION E: SAFETY MOTIVATION

No		Strongly Disagree	Disagree	Neutral	Agree	Strongly Agree
	I feel that it is important to promote safety programmes.	1	2	3	4	5
2	I feel that it is important to encourage others to use safe practices.	1	2	3	4	5
3	I believe that safety that can be compromised for increasing safety environment in the laboratory	1	2	3	4	5

4	I feel that it is important to maintain safety at all times.	1	2	3	4	5
5	I feel that it is necessary to put efforts to reduce accidents and incidents at laboratory	1	2	3	4	5
6	I feel that safety at laboratory is a very important issue.	1	2	3	4	5

SECTION F: SAFETY KNOWLEDGE

No		Strongly disagree	Disagree	Neutral	Agree	Strongly Agree
1	I know how to perform my job in a safe manner	1	2	3	4	5
2	I know how to use safety equipments and standard work procedures	1	2	3	4	5
3	I know how to maintain or improve health and safety environment in the laboratory	1	2	3	4	5
4	I know how to reduce the risk of accidents and incidents in the laboratory	1	2	3	4	5
5	I know what are the hazards asociated with my practical works and the necessary precautions to be taken while doing my practical works	1	2	3	4	5
6	I dont know what to do and whom to report it if a potential hazards is noticed in my laboratory	1	2	3	4	5

TERIMA KASIH DI ATAS KERJASAMA ANDA

THANK YOU FOR YOUR SUPPORT