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**THE RELATIONSHIP OF SAFETY MANAGEMENT
PRACTICE TOWARD SAFETY BEHAVIOR AMONG
UUM STUDENT ATHLETES**



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UUM
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**MASTER OF SCIENCE (MANAGEMENT)
UNIVERSITI UTARA MALAYSIA
JUNE 2018**

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SAFETY BEHAVIOR AMONG UUM STUDENT ATHLETES**

By

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UUM
Universiti Utara Malaysia

**Thesis Submitted to
Othman Yeop Abdullah Graduate School of Business,
Universiti Utara Malaysia
In Partial Fulfillment of the Requirement for the Master of Science
(Management)**



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ABSTRACT

The safety management practice has positive impact with safety behavior. In recent years, the accidents and injury caused by participating in the sports activities were increasing rapidly. Moreover, the rising numbers of accident rate in the environment of sports and recreation can bring the negative influence on the sports industry. Therefore, this study was intended to identify the relationship of safety management practice with safety behavior among the student athletes in Universiti Utara Malaysia (UUM). The respondent in this study were athletes who had been actively using the facilities in the UUM Sports Centre. Self-administrative questionnaires had been used in this study which involve 120 respondents. As the result, the correlation and regression revealed that safety management practice were positively and significantly related with safety behaviour. Hence, a lots of efforts, commitments, resources, enforcements and enhancements need to be done by the management in order to improve the quality of safety management practice and make the safety behavior as a culture in the UUM Sports Centre.

Key words: safety management practice, safety behavior, student athletes.



ABSTRAK

Amalan pengurusan keselamatan mempunyai kesan positif terhadap tingkah laku keselamatan. Kebelakangan ini, kemalangan dan kecederaan yang disebabkan oleh penyertaan di dalam aktiviti sukan meningkat dengan mendadak. Peningkatan kadar kemalangan dalam persekitaran sukan dan rekreasi ini boleh membawa pengaruh yang negatif terhadap industri sukan. Tujuan kajian ini dijalankan adalah untuk mengenal pasti hubungan di antara amalan pengurusan keselamatan dengan tingkah laku keselamatan di kalangan atlet pelajar di Universiti Utara Malaysia (UUM). Responden di dalam kajian ini terdiri daripada atlet - atlet yang aktif menggunakan kemudahan di Pusat Sukan UUM. Soal selidik penilaian sendiri telah digunakan di dalam kajian ini yang melibatkan 120 responden. Melalui ujian korelasi dan regresi bagi kajian ini, ianya telah mendedahkan bahawa amalan pengurusan keselamatan dengan tingkah laku keselamatan saling berhubung secara positif dan signifikan. Justeru, banyak usaha, komitmen, sumber, penguatkuasaan dan penambahbaikan perlu dilakukan oleh pihak pengurusan untuk meningkatkan kualiti amalan pengurusan keselamatan dan menjadikan tingkah laku keselamatan sebagai budaya di Pusat Sukan UUM.

Kata kunci: Amalan pengurusan keselamatan, tingkah laku keselamatan, atlet pelajar.



ACKNOWLEDGEMENTS

In the name of Allah S.W.T, the Most Gracious, the Most Merciful. All grant thanks and praise to Allah for His help, blessing and guidance, I am able to finish this task.

I would like to express my profound gratitude to my supervisor, Assoc. Prof. Dr Fadzli Shah Abd. Aziz for his unfailing assistant, the patience and dedication. I really appreciated the support and advice through my master's project. Your input and support had been of much value and rewarding.

I would like to give my deepest appreciation to my wife and son, parents, parents' in-law, family UUM colleagues and friends for their advice, thoughts and prayers, the endless love, blessing and devotion. The people who never stop to support and encourage me from the start, thank you very much. May ALLAH S.W.T. bless u all by granting Al-Jannatul Firdaus.



TABLE OF CONTENTS

CERTIFICATION OF PROJECT PAPER

PERMISSION TO USE	ii
ABSTRACT	iii
ABSTRAK	iv
ACKNOWLEDGEMENTS	v
TABLE OF CONTENT	vi
LIST OF TABLES	x
LIST OF FIGURES	xi
LIST OF ABBREVIATION	xii

CHAPTER 1 – INTRODUCTION

1.1	Introduction	1
1.2	Background of the Study	6
1.2.1	Sports Development Program	6
1.2.2	Seven (7) Clusters	6
1.3	Organization Background	7
1.3.1	UUM Sports Centre Vision	10
1.3.2	UUM Sports Centre Mission	10
1.3.3	UUM Sports Centre Objectives	10
1.3.4	Sports Development Program	10
1.4	Problem Statement	11
1.5	Research Objectives	13
1.6	Research Questions	13
1.7	Significance of the Study	14

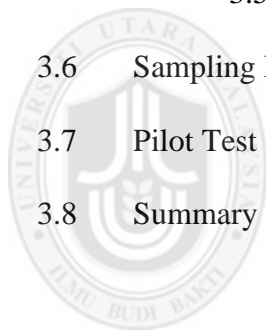
CHAPTER 2 – LITERATURE REVIEW

2.1	Introduction	16
2.2	Safety Management Practice	16
2.3	Management Commitment	26
2.4	Safety Training	27
2.5	Athletes' Involvement	27
2.6	Safety Communication and Feedback	27
2.7	Safety Rules and Procedures	28
2.8	Safety Promotion Policies	29
2.9	Safety Related Behavior	29
2.9.1	Safety Participation	30
2.9.2	Safety Compliance	30
2.10	Empirical Studies on Safety Management Practices Towards Safety Related Behavior	31
2.11	Summary	32

CHAPTER 3 – RESEARCH METHOD

3.1	Introduction	33
3.2	Hypotheses Development	33
3.2.1	Safety Management Practice and Safety Behavior	33
3.3	Research Design	33
3.4	Operational Definition	34
3.4.1	Safety Management Practice	34
3.4.2	Safety Behavior	34
3.4.3	Conceptual Framework	35

3.5	Instrument Development	37
3.5.1	Safety Management Practice	38
3.5.1.1	Management Commitment	38
3.5.1.2	Safety Training	39
3.5.1.3	Athletes' Involvement	39
3.5.1.4	Safety Communication and Feedback	40
3.5.1.5	Safety Rules and Procedures	40
3.5.1.6	Safety Promotion Policies	41
3.5.2	Safety Behavior	42
3.5.2.1	Safety Compliance	42
3.5.2.2	Safety Participation	42
3.6	Sampling Design	43
3.7	Pilot Test	43
3.8	Summary	46



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Universiti Utara Malaysia

CHAPTER 4 – RESULTS AND ANALYSIS

4.1	Introduction	47
4.2	Response Rate	47
4.3	Preliminary Analysis	48
4.4	Profile of Respondents	48
4.5	Reliability Analysis of Questionnaire Items	50
4.6	Answering the Research Questions	52
4.7	Correlation Test Analysis	54
4.8	Regression Analysis	55
4.9	Summary	57

CHAPTER 5 – DISCUSSION AND RECOMMENDATIONS

5.1	Introduction	58
5.2	Discussing the Research Questions	59
5.3	Implications to The Organization	61
5.4	Limitation of The Study	62
5.5	Recommendations for Future Studies	63
5.6	Conclusion	63

REFERENCES	64
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APPENDICES	77
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LIST OF TABLES

TABLE	TITLE	PAGE
1.3	UUM Sports Centre Organization Chart	9
3.1	Demographic profile (n=60)	44
3.2	The tested instruments for reliability in the pilot test	45
4.1	Demographic characteristics of the respondents (n=120)	48
4.2	The reliability test of all variables	51
4.3	The reliability test for each variable	51
4.4	Classification of mean	52
4.5	Mean statistics for safety management practice and safety behavior	53
4.6	Mean statistics for safety related behavior	53
4.7	Table of correlation	54
4.8	Correlation analysis of safety management practice and safety behavior	55
4.9	Results of regression analysis	56
4.10	Result of ANOVA	56
4.11	The coefficients results	56

LIST OF FIGURES

FIGURE	TITLE	PAGE
3.1	Model tested by Vinodkumar and Bhasi (2010)	36
3.2	Research conceptual framework	36



LIST OF ABBREVIATION

RQ	Research Question
UUM	Universiti Utara Malaysia
NSP	National Sports Policy
SDPIHE	Sports Development Policy of Institutions of Higher Education
IHE	Institutions of Higher Education
MOHE	Ministry of Higher Education
SUKUUM	Sukan Universiti Utara Malaysia
SUKOL	Sukan Kolej
MASUM	Majlis Sukan Universiti Malaysia
IMT-GT	Indonesia Malaysia Thailand – Growth Triangle Varsity Carnival
SUKIPT	Sukan Institusi Pendidikan Tinggi
NIRSA	National Intramural Recreational Sports Association's
SME	Small and Medium Enterprise
OSHA	Occupational Safety and Health Act 1994
SPSS	Statistical Package for Social Sciences
SOP	Standard Operating Procedure

CHAPTER 1

INTRODUCTION

1.1 Introduction

The National Sports Policy is a comprehensive sports policy for everyone. It comprises both the high performance and mass sport which has been formulated based on the justification that such activities will form an integral part of the overall development efforts by the government that directed towards the entire population. Sport should earn the same acknowledgement, respect and support as documented in the other basic social programs such as education, transportation, housing, and health services in order to enable the government to achieve the national development, unity and continued stability (National Sports Policy, 1988).

In addition, sport can also be defined as a medium that plays an important role in order to promote healthy competition, goodness, resilience, understanding, and at the same time, develop the physical and moral qualities, by providing a conducive platform for integration of the various ethnic groups into a united nation, as well as enhancing the national prestige. Furthermore, sports also have been proved to possess huge beneficial effects on the individuals, the society and also the nation.

High performance sports referred to the competitive sports organized at the national or international level where the winners were determined by the rules and regulations of the International Federation and Olympic Committee. Mass sports on the other hand, referred to the sports and physical recreation activities, which may be performed spontaneously or organized on the purpose of encouraging a greater participation rather

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APPENDICES

Reliability

Scale: Cronbach Alpha for Safety Management Practice

Case Processing Summary

		N	%
Cases	Valid	120	100.0
	Excluded ^a	0	.0
	Total	120	100.0

a. Listwise deletion based on all variables in the procedure.

Reliability Statistics

Cronbach's Alpha	Cronbach's Alpha Based on Standardized Items	N of Items
.886	.888	33

Summary Item Statistics

	Mean	Minimum	Maximum	Range	Maximum / Minimum	Variance	N of Items
Item Means	3.528	1.767	4.183	2.417	2.368	.344	33

Scale Statistics

Mean	Variance	Std. Deviation	N of Items
116.42	162.615	12.752	33

Reliability

Scale: Cronbach Alpha for Safety Behavior

Case Processing Summary

		N	%
Cases	Valid	120	100.0
	Excluded ^a	0	.0
	Total	120	100.0

a. Listwise deletion based on all variables in the procedure.

Reliability Statistics

Cronbach's Alpha	Cronbach's Alpha Based on Standardized Items	N of Items
.824	.840	12

Summary Item Statistics

	Mean	Minimum	Maximum	Range	Maximum / Minimum	Variance	N of Items
Item Means	3.802	3.050	4.225	1.175	1.385	.133	12

Scale Statistics

Mean	Variance	Std. Deviation	N of Items
45.63	39.816	6.310	12

Reliability

Scale: Total Cronbach Alpha for Safety Management Practice & Safety Behavior

Case Processing Summary

		N	%
Cases	Valid	120	100.0
	Excluded ^a	0	.0
	Total	120	100.0

a. Listwise deletion based on all variables in the procedure.

Reliability Statistics

Cronbach's Alpha	Cronbach's Alpha Based on Standardized Items	N of Items
.909	.914	45

Summary Item Statistics

	Mean	Minimum	Maximum	Range	Maximum / Minimum	Variance	N of Items
Item Means	3.601	1.767	4.225	2.458	2.392	.298	45

Scale Statistics

Mean	Variance	Std. Deviation	N of Items
162.04	293.671	17.137	45

CORRELATIONS - SAFETY MGT PRACTICE & SAFETY BEHAVIOR

Descriptive Statistics

	Mean	Std. Deviation	N
SMP	116.42	12.752	120
CSB	45.63	6.310	120

Correlations

		SMP	CSB
SMP	Pearson Correlation	1	.567**
	Sig. (2-tailed)		.000
	N	120	120
CSB	Pearson Correlation	.567**	1
	Sig. (2-tailed)	.000	
	N	120	120

** . Correlation is significant at the 0.01 level (2-tailed).



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Multiple Regression Analysis - SMP & SB

Variables Entered/Removed^a

Model	Variables Entered	Variables Removed	Method
1	SMP ^b	.	Enter

a. Dependent Variable: CSB

b. All requested variables entered.

Model Summary^b

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.567^a	.321	.316	5.220

a. Predictors: (Constant), SMP

b. Dependent Variable: CSB

ANOVA^a

Model	Sum of Squares	df	Mean Square	F	Sig.
1 Regression	1522.974	1	1522.974	55.895	.000^b
Residual	3215.151	118	27.247		
Total	4738.125	119			

a. Dependent Variable: CSB

b. Predictors: (Constant), SMP

Coefficients^a

Model	Unstandardized Coefficients		Standardized Coefficients	t	Sig.
	B	Std. Error	Beta		
1 (Constant)	12.966	4.394		2.951	.004
SMP	.281	.038	.567	7.476	.000

a. Dependent Variable: CSB

Residuals Statistics^a

	Minimum	Maximum	Mean	Std. Deviation	N
Predicted Value	34.29	55.61	45.63	3.577	120
Std. Predicted Value	-3.169	2.790	.000	1.000	120
Standard Error of Predicted Value	.477	1.590	.644	.199	120
Adjusted Predicted Value	34.11	55.89	45.63	3.607	120
Residual	-13.458	10.053	.000	5.198	120
Std. Residual	-2.578	1.926	.000	.996	120
Stud. Residual	-2.612	1.934	-.001	1.004	120
Deleted Residual	-13.816	10.141	-.007	5.285	120
Stud. Deleted Residual	-2.680	1.957	.000	1.010	120
Mahal. Distance	.001	10.045	.992	1.538	120
Cook's Distance	.000	.108	.008	.015	120
Centered Leverage Value	.000	.084	.008	.013	120

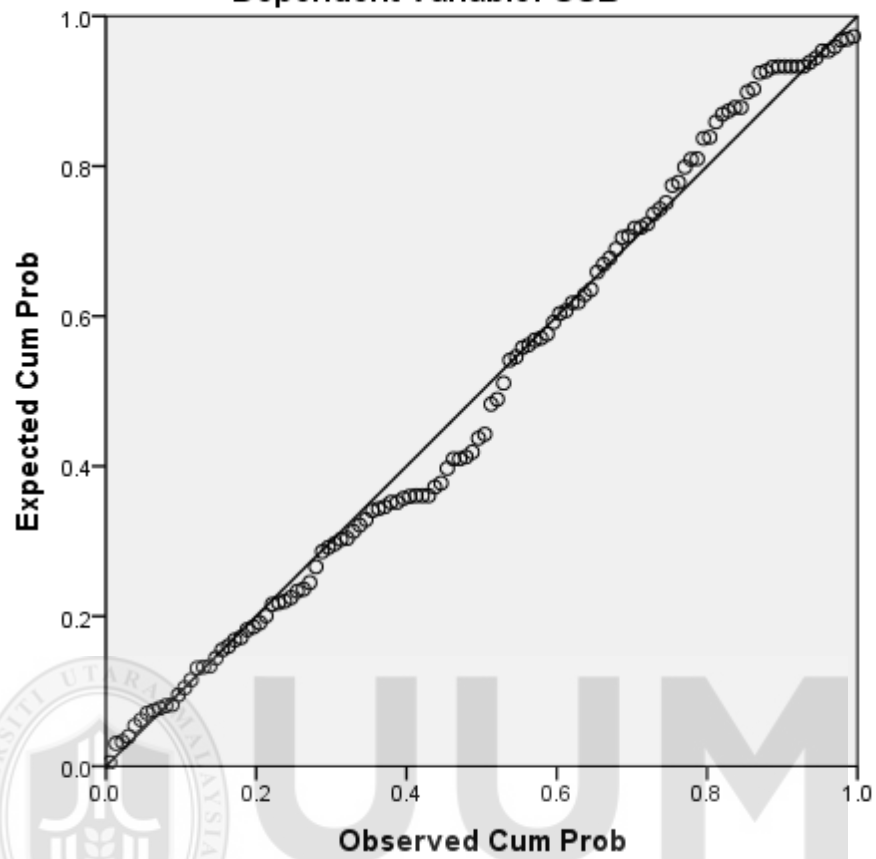
a. Dependent Variable: CSB

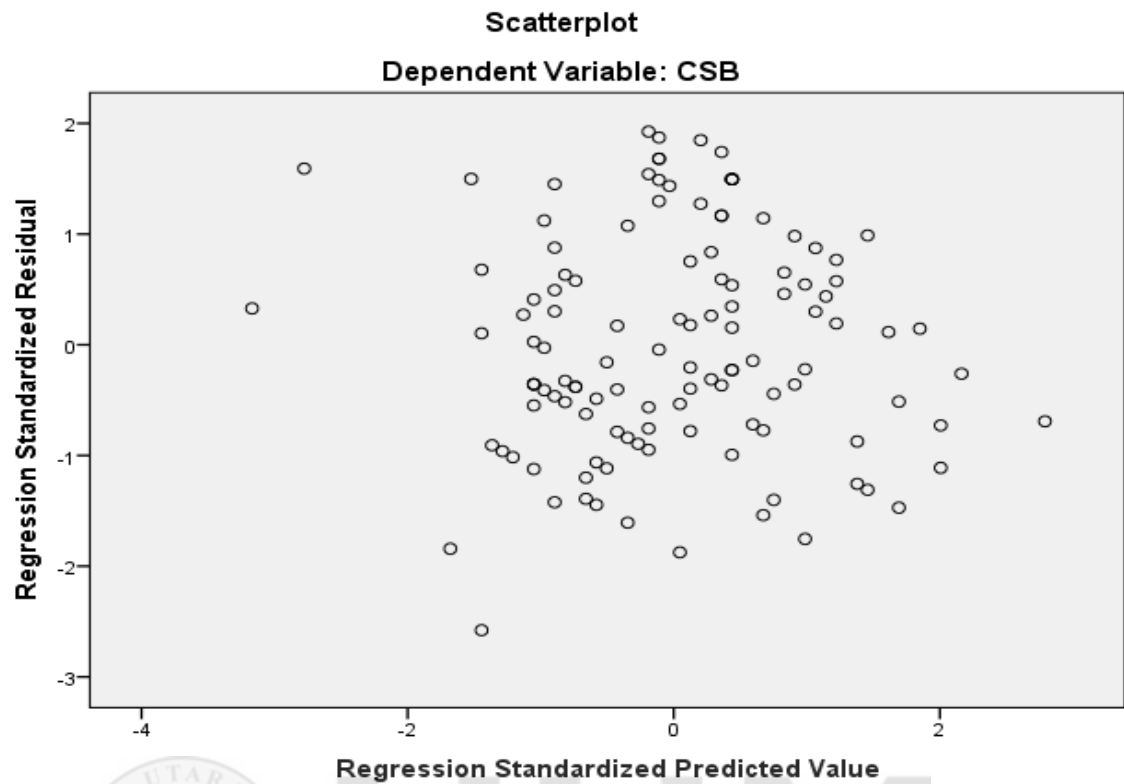


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Normal P-P Plot of Regression Standardized Residual

Dependent Variable: CSB





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THE RELATIONSHIP OF SAFETY MANAGEMENT PRACTICES TOWARD SAFETY BEHAVIOUR
AMONG UUM STUDENTS ATHLETES

MOHD AIZUL FIRDAUS BIN MUSA
MASTER OF SCIENCE (MANAGEMENT)
S817797

PART A: DEMOGRAPHIC FACTORS

GENDER

- ☐ Male ☐ Female

NATIONALITY

- ☐ Malaysian
☐ Non- Malaysian
Country of origin _____

AGE

- ☐ 18 – 21 Years ☐ 22 – 25 Years
☐ 26 – 29 Years ☐ 30 – 33 Years
☐ 34 – 37 Years ☐ Above 38 Years

QUALIFICATION

- ☐ Sijil Pelajaran Malaysia (SPM) ☐ Sijil Tinggi Pelajaran (STPM)
☐ Diploma ☐ Degree
☐ Master ☐ PhD

NUMBER OF ACCIDENTS EXPERIENCED

- ☐ None ☐ More than 4 times
☐ 1 – 2 times
☐ 3 – 4 times

=====

=====

Please **circle** your opinion on the following statements by using the given scale.

Strongly disagree —————> **Strongly agree**

PART B: MANAGEMENT COMMITMENT

Safety is given high priority by the management	1	2	3	4	5
Safety rules and procedures are strictly followed by the management	1	2	3	4	5
Corrective action is always taken when the management is told about unsafe practices	1	2	3	4	5
Management do not show interest in the safety of athlete / customer	1	2	3	4	5
Management considers safety to be equally important as satisfaction	1	2	3	4	5

THE RELATIONSHIP OF SAFETY MANAGEMENT PRACTICES TOWARD SAFETY BEHAVIOUR
AMONG UUM STUDENTS ATHLETES

I feel that the management is willing to compromise on safety for increasing athlete / customer satisfaction	1	2	3	4	5
When near-miss accidents are reported, the management acts quickly to solve the problems	1	2	3	4	5
The management provides sufficient personal protective equipments (PPE) for the athlete / customer	1	2	3	4	5

PART C: ATHLETES / CUSTOMER INVOLVEMENT

Management always welcomes opinion from athlete / customer before making final decisions on safety related matters	1	2	3	4	5
The management has safety committees consisting of representatives of athlete / customer	1	2	3	4	5
Management promotes athlete / customer involvement in safety related matters	1	2	3	4	5
Management consults with athlete / customer regularly about workplace health and safety issues	1	2	3	4	5
Athlete / customer do not sincerely participate in identifying safety problems	1	2	3	4	5

PART D: SAFETY RULES AND PROCEDURES

The safety rules and procedures followed in the Sports Centre are sufficient to prevent incidents from occurring	1	2	3	4	5
The management always try to enforce safe working procedures	1	2	3	4	5
Safety inspections are carried out regularly	1	2	3	4	5
The safety procedures and practices in this Sports Centre are useful and effective	1	2	3	4	5

PART E: SAFETY BEHAVIOR

I use all necessary safety equipments to do exercise / training	1	2	3	4	5
I carry out my exercise / training in a safe manner	1	2	3	4	5
I follow correct safety rules and procedures while carrying out exercise / training	1	2	3	4	5
I ensure the highest levels of safety when I carry out exercise / training	1	2	3	4	5
Occasionally due to lack of time, I deviate from correct and safe procedures	1	2	3	4	5
Occasionally due to over familiarity with the facilities / activity, I deviate from correct and safe procedures	1	2	3	4	5
It is not always practical to follow all safety rules and procedures while doing the exercise / training	1	2	3	4	5

THE RELATIONSHIP OF SAFETY MANAGEMENT PRACTICES TOWARD SAFETY BEHAVIOUR
AMONG UUM STUDENTS ATHLETES

I help my friend when they are exercise / training under risky or hazardous conditions	1	2	3	4	5
I always point out to the management if any safety related matters are noticed in the Sports Centre	1	2	3	4	5
I put extra effort to improve the safety of the facilities	1	2	3	4	5
I voluntarily carry out tasks or activities that help to improve athlete / customer safety	1	2	3	4	5
I encourage my friend to athlete / customer safely	1	2	3	4	5

Adopted from:

- 1- Vinodkumar and Bhasi (2010)

