

UNIVERSITI PUTRA MALAYSIA

THE RELATIONSHIP BETWEEN MOTIVATION, ATTITUDE, LEARNING STYLE AND ENGLISH GRAMMATICAL COMPETENCE OF HIGHER EDUCATION STUDENTS

MARGHANY MAHMOUD MARGHANY

FPP 2000 16



THE RELATIONSHIP BETWEEN MOTIVATION, ATTITUDE, LEARNING STYLE AND ENGLISH GRAMMATICAL COMPETENCE OF HIGHER EDUCATION STUDENTS

By

MARGHANY MAHMOUD MARGHANY

Thesis Submitted in Fulfilment of the Requirements for the Degree of Doctor of Philosophy in the Faculty of Educational Studies
Universiti Putra Malaysia

January 2000



Abstract of thesis presented to the Senate of Universiti Putra Malaysia in fulfilment of the requirements for the degree of Doctor of Philosophy.

THE RELATIONSHIP BETWEEN MOTIVATION, ATTITUDE, LEARNING STYLE AND ENGLISH GRAMMATICAL COMPETENCE OF HIGHER EDUCATION STUDENTS

By

MARGHANY MAHMOUD MARGHANY

January 2000

Chairman: Professor Dr. Noran Fauziah Yaakub

Faculty: Educational Studies

The purpose of the present study was to examine performance of UPM freshmen in English grammar according to motivation, attitude, and learning style (i.e. tolerance of ambiguity) on the one hand and according to gender, socio-

economic status, location, and exemption status on the other. Based on Dunkin and

Biddle's model, tolerance of ambiguity is classified as one of the process

variables, while the other six independent variables come under the category of

context variables.

The samples of the present study comprised 349 freshmen at Universiti

Putra Malaysia. The samples enrolled in May semester 1998. The samples were

divided into 227 non-exempted students and 122 exempted students. The non-

exempted students, unlike the exempted students, were required to sit for one of

the English proficiency courses administered by the Faculty of Modern Languages

Studies (i.e. BBI2401, BBI2402, BBI2403). The 227 non-exempted students included 100 students from BBI2401, 47 students from BBI2402, and 80 students from BBI2403. The 122 exempted students comprised 72 students from the Faculty of Medicine, 30 TESL students from the Faculty of Educational Studies, 12 students from the Faculty of Veterinary, and 8 students from the Faculty of Forestry.

Written data were collected through selected instruments, namely (1) discrete-point exercises both multiple choice and fill-in-the blank, (2) grammaticality judgment exercises, (3) translation-based task, (4) two sets of structured questionnaire adopted from Noran Fauziah Yaakub, Habibah Elias, Rahil Mahyuddin, Hajjah Nora Mohd. Nor and Mohd. Faiz Abdullah (1993a) for attitude (34 items) and for motivation (31 items), and (5) 12 item questionnaire for learning style; which was developed based on Christopher Ely's second language tolerance of ambiguity scale (Reid, 1995).

The findings showed that exemption status was the most significant contributing factor towards respondents' performance in English grammar. The second immediate significant factor was respondents' tolerance of ambiguity in the classroom during the teaching process. Respondents' attitudes and motivation came as the third and fourth significant contributors towards performance respectively.



Students who held positive attitudes towards learning English outperform those who had negative attitudes. The more tolerant of ambiguity on the part of UPM freshmen, the better performance in English grammar. Urban students obtained the highest performance scores. Even though gender was not a significant factor to grammatical competence, female students outperformed their male counterparts with slight difference.



Abstrak tesis yang dikemukakan kepada Senat Universiti Putra Malaysia sebagai memenuhi keperluan untuk ijazah Doktor Falsafah.

PERHUBUNGAN DIANTARA MOTIVASI, SIKAP, STAIL PEMBELAJARAN DAN KECEKAPAN NAHU BAHASA INGGERIS

PELAJAR-PELAJAR PENDIDIKAN TINGGI

Oleh

MARGHANY MAHMOUD MARGHANY

Januari 2000

Pengerusi: Profesor Dr. Noran Fauziah Yaakub

Fakulti: Pengajian Pendidikan

Tujuan kajian ini ialah untuk menerangkan prestasi nahu bahasa Inggeris

pelajar baru UPM dari segi motivasi, sikap dan stail pembelajaran (iaitu toleransi

kepada kekaburan) pada satu pihak dari segi jantina, status sosio-ekonomi, lokasi

dan status pengecualian pada pihak yang lagi satu. Berpandukan kepada model

Dunkin dan Biddle, stail pembelajaran telah diklasifikasikan sebagai satu daripada

pembolehubah proses, manakala enam pembolehubah bebas yang lain adalah di

bawah kategori pembolehubah konteks.

Sampel bagi kajian ini terdiri daripada 349 pelajar-pelajar tahun pertama di Universiti Putra Malaysia yang telah mendaftar pada semester Mei 1998. Mereka terdiri daripada 227 pelajar yang tidak dikecualikan dan 122 pelajar yang telah dikecualikan daripada mengambil kursus kemahiran Bahasa Inggeris. Tidak seperti pelajar-pelajar yang dikecualikan, pelajar-pelajar yang tidak dikecualikan dikehendaki mengambil satu kursus kemahiran Bahasa Inggeris yang ditawarkan oleh Fakulti Pengajian Bahasa Moden (iaitu BBI2401, BBI2402, BBI2403).

Seramai 227 pelajar yang tidak dikecualikan terdiri daripada 100 pelajar dari BBI2401, 47 pelajar dari BBI2402, dan 80 pelajar dari BBI2403. Seramai 122 pelajar yang dikecualikan terdiri daripada 72 pelajar dari Fakulti Perubatan, 30 pelajar TESL dari Fakulti Pengajian Pendidikan, 12 pelajar dari Fakulti Veterinar dan 8 pelajar dari Fakulti Perhutanan.

Data bertulis telah dipilih melalui beberapa instrumen, iaitu: (1) latihan diskret yang menggunakan soalan anika pilihan dan mengisi tempat kosong, (2) latihan nahu, (3) terjemahan, (4) dua set soalselidik yang berstruktur yang diubahsuai daripada Noran Fauziah Yaakub, Habibah Elias, Rahil Mahyuddin, Hajjah Nora Mohd. Nor, dan Mohd. Faiz Abdullah (1993a) untuk sikap (34 item) dan untuk motivasi (31 item), dan (5) soalselidik 12 item untuk stail pembelajaran yang digubal berdasarkan kepada skala toleransi kekaburan bahasa kedua oleh Christopher Ely (Reid, 1995).



Keputusan kajian menunjukkan status pengecualian adalah faktor yang paling signifikan kepada prestasi nahu bahasa Inggeris. Faktor kedua yang signifikan ialah toleransi kepada kekaburan di dalam kelas semasa proses mengajar. Sikap dan motivasi responden adalah penyumbang ketiga dan keempat yang signifikan kepada prestasi.

Pelajar yang bersikap positif terhadap pembelajaran bahasa Inggeris mempunyai prestasi yang lebih tinggi daripada mereka yang bersikap negatif. Lebih tinggi toleransi kepada kekaburan, lebih baik prestasi nahu bahasa Inggeris. Pelajar dari bandar memperolehi skor prestasi yang tertinggi. Walaupun jantina tidak menjadi satu faktor yang signifikan kepada kecekapan nahu, pelajar perempuan mengatasi prestasi pelajar lelaki.



ACKNOWLEDGEMENTS

The author would like to express his deepest gratitude to the Director of Centre for Innovations in Education, Universiti Utara Malaysia Professor Dr Noran Fauziah Yaakub, Chairman of the Supervisory Committee and the person behind the completion of this work Professor Dr Noran Fauziah Yaakub saved no effort to guide the author and devoted most of her time to listen to and discuss the author's views while she was lecturing at UPM and even after she had moved to Universiti Utara Malaysia Her fingerprints could be felt in every step of this work Professor Dr Noran Fauziah Yaakub made her published articles and studies available to the author She has always been a source of encouragement and guidance The author has learned a lot from her experience in research

The author is also grateful to the Supervisory Committee members Associate Professor Dr Habibah Elias and Associate Professor Dr Datin Sharifah Mohammed Nor, their invaluable comments enriched this work Associate Professor Dr Habibah Elias provided the author with Donald Ary et al 's *Book Introduction to Research in Education* Associate Professor Dr Datin Sharifah Mohammed Nor denied the author no opportunity to consult her even when she was on her sabbatical leave

The author is grateful and indebted to Professor Dr Ahmad Mahdzan Ayob, formally Dean of the Graduate School at Universiti Putra Malaysia, for his generosity to explain how the dummy variables should be coded Appreciation is gratefully acknowledged to him as his superb and good comments on each of the drafts immeasurably strengthened and refined the thesis

Special thanks are due to Associate Professor Dr Othman Mohamed, formally Deputy Dean of the Faculty of Educational Studies, for his clear explanation of Statistical Power Analysis He generously provided the author with a free copy of his manuscripts Associate Professor Dr Othman Mohamed did write a letter to the Dean of the Graduate School in order to facilitate the data collection process when it was stuck at the Faculty of Forestry

The author would like to thank the following staff at the Faculty of Modern Language Studies, Associate Professor Dr Rosli Talif, Head of English Department, Dr Mohamad Faiz Abdullah, Mrs Yazaria Yaacob, the coordinator of BBI2401 classes, Mr Aziz Zaman, the coordinator of BBI2402 classes, and Mrs Remamenon Lim, the coordinator of BBI2403 classes Thanks are also due to Dr Abdul Salam Abdullah, Deputy Dean of the Faculty of Medicine, Associate Professor Dr Abdul Razak Alimon at the Faculty of Veterinary Medicine, and Mr Ghazali Kamaruddin at the Faculty of Educational Studies They all render their help to the author during the data collection process



The author is also grateful to the staff at the registrar office as they gave the total number of UPM intake of the 1998/1999 academic year A word of thanks is due to Mrs Rohani Ahdirin, secretary to Deputy Dean at the Faculty of Educational Studies, who typed the letters addressed to UPM different faculties for the purpose of data collection. Thanks are due to Mrs Hapidzah Idris who edited the tables and format of this work.

The author is also grateful to Dato' Haji Mohammad Yassin, the English-Malay translator who translated the learning style questionnaire into the Malaysian Language The author wishes to thank the respondents who participated in this study as well

The author dedicates the thesis to his wife Siti Rohayah bt Haji Mohd Zein as she scarified a lot of her comfort while he was searching, reading, and typing The author hopes that by thanking her at large length he has made up for it all She had also translated the abstract into Bahasa Malaysia The translation was edited by Professor Dr Noran Fauziah Yaakub

Above all the author wishes to prostate to His Almighty Allah (S W t) who has given him the financial ability to sponsor this thesis, and made him the only self-sponsored foreign student at UPM For instance but not inclusively, the cost for preparing the copies of the data instruments was RM1500



A special word of thanks is also due to Mrs. Jacqueline Mccracken, formally lecturer at the Faculty of Educational Studies, for her comments on the materials of the grammatical competence test prior to the pilot study. She edited the test and asked the author to make some corrections and changes.



TABLE OF CONTENTS

		PAGE
A DC	STRACT	::
	STRAK	ii
		v
	KNOWLEDGEMENTS	viii
	PROVAL SHEETS	xii
	CLARATION FORM	xiv
	T OF TABLES	xxii
	T OF FIGURES	xxvi
GL(OSSARY OF TERMS	xxvii
	A DOTED	
СНА	APTER	
I	INTRODUCTION	1
_	Background of the Study	1
	The Position of English Under the	•
	National Education Plan	2
	The Position of English in	2
	Universiti Putra Malaysia	5
	· · · · · · · · · · · · · · · · · · ·	10
	Problem Statement	10
	Objectives	
	Research Questions	13
	Significance of the Study	14
	Why Should We Focus on Grammar?	16
	Scope and Limitation of the Study	22
	Operational Definitions	24
	Grammatical Competence	24
	Motivation	24
	Attitude	25
	Learning Style	26



Summary	26 27
Summary	21
REVIEW OF RELATED LITERTURE	28
Introduction	28
Learning Theories	29
General Outlook	29
Gardner and Lambert's	
Socio-psychological Theory	30
John Schumann's Acculturation Theory	31
Gagne's Behaviouristic Eclectic Theory	33
Bruner's Cognitive Theory	34
Bandura's Blend of Behaviouristic	
Reinforcement Theory and Cognitive	
Psychology	35
Grammatical Competence	36
Grammatical Competence of	
Malaysian Learners of English	43
Error Analysis of Form Four	
English Composition	45
General Features of Malaysian English	46
Lexical Items	46
Omission	47
Overgenerlization	48
Substitution	48
Reduction	49
Grammatical Competence of ESL	
in General	49
Motivation	51
Motivation in English Language and Performance	54
Attitude	60
Attitude and Performance	61
Learning Style	64
Learning Style and Performance in	
English language	65
Gender and Performance	70
Location, Socio-Economic Status and	
ESL Performance	73



METHODOLOGY
ntroduction
Conceptual Framework
Description of Variables
Measurement of Variables
Dependent Variable: Grammatical Competence
Independent Variables: Psychological
Motivation
Instrumental/Integrative Motivation
Motivational Intensity
Encouragement
Parents' and Friends' Ability
Attitude
Learning Style
Independent Variables: Demographic
Statements of Hypotheses
First Phase
Second Phase
Time and Fieldwork
The Sample
The Sample Size
ANOVA
T-Test
Multiple Regression
Pilot Study
nstrumentation
Discrete-Point Exercises
Grammaticality Judgment Exercises
Translation-Based Task
Validity of Grammatical Competence Items
Administration of Instruments
Scoring Procedures
Analytical Procedure
T-Test
A N I () \ / A



	Multiple Regression	111
	Regression Analysis of Motivation	
	(Phase I)	113
	Regression Analysis of Attitude	
	(Phase I)	113
	Regression Analysis of Learning Style	
	(Phase I)	114
	Regression Analysis of Dependent Variable	
	(Phase II)	115
	Regression Analysis of Dependent	
	Variable's Components (Phase II)	116
	Summary	119
IV	DECH TC	120
I V	RESULTS Phase I: Motivation, Attitude, and Learning	120
	Style in Learning of English	120
	·	120
	Introduction	120
	Profile of Respondents	
	Motivation in English Language Learning	122
	General Outlook	122
	Motivation by Gender	125
	Motivation by Socio-Economic Status	126
	Motivation by Location	127
	Motivation by Exemption Status	128
	Multiple Regression of Motivation	129
	Overall Model of Motivation	130
	Motivation and Location	131
	Motivation and Socio-Economic Status	132
	Motivation and Gender	132
	Motivation and Exemption Status	132
	Frequencies of Responses to Motivation	133
	Attitude toward Learning English	133
	General Outlook	133
	Attitude by Gender	135
	Attitude by Socio-Economic Status	135
	Attitude by Location	137
	Attitude by Exemption Status	138
	Multiple Regression of Attitude	138
	Overall Model of Attitude	139



Attitude and Location	140
Attitude and Socio-Economic Status	141
Attitude and Gender	141
Attitude and Exemption Status	141
Frequencies of Responses to Attitude Items	142
Learning Style	142
General Outlook	142
Learning Style by Gender	145
Learning Style by Socio-Economic Status	146
Learning Style by Location	147
Learning Style by Exemption Status	148
Multiple Regression of Learning Style	149
Overall Model of Learning Style	150
Learning Style and Location	151
Learning Style and Socio-Economic Status	151
Learning Style and Gender	152
Learning Style and Exemption Status	152
Frequencies of Responses to Learning Style Items	153
Phase II: Performance in English Grammar	153
Introduction	153
Descriptive Statistics of Grammatical Competence	
Discrete-Point Exercises	157
Multiple Regression Analysis (Phase II)	
of Discrete-Point Exercises	157
Grammaticality Judgment Exercises	162
Multiple Regression Analysis (Phase II)	
of Grammaticality Judgment Exercises	163
Translation-Based Task	168
Multiple Regression Analysis (Phase II)	
of Translation-Based Task	169
Overall Performance of Grammatical Competence	171
Gender and Grammatical Competence	171
Socio-Economic Status and Grammatical	
Competence	172
Location and Grammatical Competence	174
Exemption Status and Grammatical Competence	175
Multiple Regression Analysis (Phase II)	177
Motivation and Overall Performance	179
Attitude and Overall Performance	180
Learning Style and Overall Performance	180
Location and Overall Performance	182
Socio-Economic Status and Overall Performance	182
Gender and Overall Performance	183
Exemption Status and Overall Performance	183



V		MARY, DISCUSSION AND IMPLICATIONS,	
		CLUSIONS AND RECOMMENDATIONS	186
	Sumn	nary	186
		Problem	186
		Objectives	187
		Data Analysis and Tools	187
		Results	191
	Discu	ssion and Implications for Teaching English	
	as a S	econd Language	202
		lusion	212
	Reco	mmendations	214
BIB	LIOGR	APHY	218
APP	ENDIC	ES	230
	Α	Description of English proficiency courses	231
	В	Motivation items	232
	C	Description of attitude's items	240
	D	Description of learning style's items	242
	E	Respondents' data	244
	E1	Discrete-point exercises	245
	E2	Fill-in-the-blank	274
	E3	Grammatically judgment exercises	250
	E4	Translation-based task	255
	E5	Learning style's items	257
	E6	Attitude's items	260
	F1	Frequencies of responses to motivation items	265
	F2	Frequencies of responses to attitude's items	267
	F3	Frequencies of responses to learning style's items	270
	G1	Examples of errors in multiple choice	272
	G2	Examples of errors in fill-in-the blank exercises	275
	G3	Grammatically judgment	278
	G4	Translation-based task	282
VIT	Γ A		286



LIST OF TABLES

TAB	TABLE	
1	The Criteria for Placing Students into the Various English Proficiency Courses	8
2	Scheme of Motivational Intensity Scores	85
3	Scheme of Desire Scores	85
4	Scheme of Encouragement Scores	86
5	Scheme of Self-Rating Scores	86
6	Scheme of Parents' and Friends' Ability	87
7	Scheme of Attitude Scores	88
8	Scheme of Learning Style Scores	90
9	Blueprint for Grammatical Test	101
10	Respondents' Socio-Economic Status by Gender	121
11	Exemption by Residential Origin	122
12	Summary of Descriptive Statistics of Motivational Dimensions (Phase I)	123
13	Mean Scores of Motivational Dimensions by Exemption Status	125
14	T-Test for Motivation by Gender	126
15	ANOVA of Motivation by Socio-Economic Status	126
16	Scheffe Test for Motivation Scores	123



17	T-Test for Motivation by Location	128
18	T-Test for Motivation by Exemption Status	129
19	Overall Results of Multiple Regression Analysis of Motivation	130
20	Multiple Regression Analysis of Motivation	131
21	Attitude and Exemption Status	134
22	Percentage of Attitude Measurement by Exemption Status	135
23	ANOVA of Attitude by Socio-Economic Status	136
24	Scheffe Test for Attitude by Socio-Economic Status	136
25	T-Test for Attitude by Location	137
26	T-Test for Attitude by Exemption Status	138
27	Overall Results of Multiple Regression Analysis of Attitude	139
28	Multiple Regression Analysis of Attitude	140
29	Percentage of Learning Style by Exemption Status	143
30	T-Test for Learning Style by Gender	146
31	ANOVA of Learning Style by Socio-Economic Status	146
32	Scheffe Test of Learning Style by Socio-Economic Status	147
33	T-Test for Learning Style by Location	148
34	T-Test for Learning Style by Exemption Status	149



33	of Learning Style	150
36	Multiple Regression Analysis of Learning Style	151
37	Descriptive Statistics of Performance in Grammatical Competence and Components	155
38	Performance of Exempted and Non-Exempted Students	156
39	Overall Results of Multiple Regression Analysis of Discrete-Point Exercises	159
40	Multiple Regression Analysis of Discrete-Point Exercises	159
41	Overall Results of Multiple Regression Analysis of Grammaticality Judgment Exercises	164
42	Multiple Regression Analysis of Grammaticality Judgment Exercises	165
43	Overall Results of Multiple Regression Analysis of Translation-Based Task	170
44	Multiple Regression Analysis of Translation-Based Task	171
45	T-Test for Total Scores of Grammatical Competence Test by Gender	172
46	ANOVA of Grammatical Competence and Socio-Economic status	173
47	Scheffe Test of Performance	173
48	T-Test of Grammatical Competence by Location	175
49	T-Test of Grammatical Competence by Exemption Status	176
50	Overall Results of Multiple Regression Analysis of Grammatical Competence	178



51.	Multiple Regression Analysis of Performance in Grammatical Competence	179
52.	Summary of Phase II Regression Results	184
F1.	Frequencies of Responses to Integrative and Instrumental Items	265
F2.	Frequencies of Responses to Attitude Items	267
F3.	Frequencies of Responses to Learning Style items	270

