

Ain Shams University
Faculty of Arts
Dept of English
Branch of Linguistics

# Exploring Metacognitive Awareness in ESL Writing

#### M.A. Thesis

Submitted in Fulfillment of the
Requirements for the Degree of Master of Arts
In
Applied Linguistics
Submitted by:

### Mahmoud Shaaban Abdel-Salaam Azaz

Demonstrator,

To

Ain Shams University, Faculty of Arts, Dept of English, Linguistics Branch Under the supervision

of

### Dr. Amal Ibrahim Kary

Professor of Linguistics
Ex- head of
Department of English
Faculty of Arts,
Ain Shams University

### Dr. Nevine Hassan

Lecturer of Linguistics
Department of English
Faculty of Arts,
Ain Shams University

#### **Abstract**

This study investigates the effect of activating awareness of metacognitive processes on developing writing quality, grammatical accuracy, grammaticality judgment in terms of cohesion features as outlined by the model of Halliday and Hasan (1976).

Following the mixed design and the collective case study approach, the study explores the impact of activating eight freshmen case studies' (four low achievers and four high achievers) metacognitive awareness of self-evaluation, self-monitoring and centering attention as main metacognitive processes; the independent variable, on improving the quality of ESL writing in terms of cohesion features in expository written texts as a dependent variable.

It tests one main null hypothesis that has predicted that that there would be no statistically significant differences between the subjects' pretest mean scores and the posttest mean scores within groups on the features of cohesion in the error correction test, the gap-filling test and the expository essays.

To know the effect of the proficiency level on the development of metacognitive awareness, the study compares between the posttest mean scores difference across the two groups of low and high achievers.

The major finding of the study refutes the main assumption as there are statistically significant differences between the pretest mean scores and the posttest mean scores group within the two groups of low achievers and high achievers on the seven features of cohesion in the error correction test, the gap filling test and the expository essay. The study also finds no statistically significant differences between the posttest mean scores difference across groups. This might refer to the slight effect of the proficiency level once metacognitive awareness is activated.

Starting from the SLA domain, the study concludes with many pedagogical implications in the field of TEFL/TESL. For the college composition courses and curricula to be effective, inclusion of metacognitive processes is an instrumental part. More significantly, the analytical rubric that the researcher develops can be used as a tool for assessing cohesion features in the expository texts.

#### Acknowledgments

This dissertation would not have been possible without the help of several people. First of all, I would like to thank my dissertation committee chair, *Prof. Amal Kary, and Dr. Nevine Hassan*, co-supervisor, and the members of my dissertation committee, *Prof. Amani El-Shazly* and *Prof. Laila Abdel Aal* for believing in this study as much as I do. Your impressive knowledge, clear minds, and positive attitudes will always be inspirational to me.

I would like first to express my deepest gratitude and intellectual indebtedness to professor *Amal Kary*, the dissertation main advisor. Her insightful comments and feedback, reflections on my research have been indispensible ingredients in my success. She has been a central figure in developing my skills as a researcher in the field of applied linguistics. Special thanks are to be given for her patience for supervising the different phases of this research.

I also must thank *Prof. Mustafa Riad* for his support and encouragement. His leadership has acted as a mine of inspiration. Special thanks are also due to all the professors and colleagues in the Department of English, Ain Shams University in general and *Dr. Inas El-Ibrashy*, *Dr. Nagwa Ibrahim*, and *Nardine Nabile* for their support and encouragement.

In the same manner, I would like to thank the dissertation panel *Prof. Laila and Prof.*Amani El-Shazly; the latter who introduced me to the world of language acquisition during teaching me in the M.A. preliminary year. She has instilled in me great respect and fondness for the field and encouraged me further to invest in it.

A special word of thanks also goes to my colleague, *Nevine Saeed*, for her the constructive feedback that has helped me to revisit the ideas.

My family deserves my respect and appreciation for their constant support, especially, my mother. Finally yet importantly, I thank my friends, *Samir*, *Mahmoud* and *Osama*, for their supportive attitude.

Finally, this dissertation could not have been possible without the participation of all my participants. I greatly appreciate their generosity with their time and efforts to submit papers, complete surveys, and participate in interviews. This dissertation would certainly not exist if they were not generous with their time and willingness.

### **Dedication**

To my father

who

shared with me love of hard work,

and to

my mother

whose

true sense of sacrifice, love and support have made this endeavor possible, with heartfelt gratitude

### **Table of Contents**

Abstract			
Acknowledgn	nents		11
Dedication			IV
Table of Cont	ents		V
List of Tables	5		VIIII
List of Figure	S		X
List of Graphs	s		XI
List of Abbrev	viations		XII
Chapter One	: Introduction		1
•	Introduction		1
•	Research Questions		3
•	Research Significance	ee	4
•	-	S	
•		S	
•	• •		
Chapter Two	o: Review of Literatur	re	9
•	Introduction		9
•		gnitive Awareness	
	•	Definition of Metacognition	
	•	Definition of Metacognitive Awareness	
	•	Aspects of Metacognition	
	•	Taxonomy of Metacognitive processes	
	•	Assessing Metacognitive Awareness	
	•	Assessing Metacognitive Awareness	

	<ul> <li>Cognitive and Metacognitive Models of ESL/EFL Writing.</li> </ul>	24
•	Research on Metalinguistic Awareness	29
	Definition of Metalinguistic Awareness	29
	Aspects of Metalinguistic Awareness	32
	Metalinguistic Awareness in SLA Research	35
•	Research on Cohesion in ESL/EFL Writing.	36
	• Introduction	35
	Definition of Cohesion	37
	• Halliday and Hasan's (1976)Model of Cohesion	38
	Taxonomy of Cohesion Types	39
	Using Cohesive Ties in Written Texts	43
	Studies on Cohesion in ESL/EFL Writing	45
•	Conclusion and Major Areas of Difference	47
Chapter Thr	ee: Methodology	49
•	Introduction	49
•	Research Setting.	40
	•	49
•	Pilot Study Results	
•	-	49
•	Pilot Study Results	49 50
•	Pilot Study Results  Research Samples.	49 50 50
•	Pilot Study Results.  Research Samples.  • Selection of Participants.	49 50 50 51
•	Pilot Study Results.  Research Samples.  • Selection of Participants.  • Description of Participants.	49 50 50 51
•	Pilot Study Results.  Research Samples.  Selection of Participants.  Description of Participants.  Four High Achievers	50 50 51 51
•	Pilot Study Results.  Research Samples.  Selection of Participants.  Description of Participants.  Four High Achievers  Four Low Achievers	49 50 51 51 52
•	Pilot Study Results.  Research Samples.  Selection of Participants.  Description of Participants.  Four High Achievers  Four Low Achievers  Research Instruments, Data Collection Techniques and Scoring Procedures.	49 50 51 51 52 54
•	Pilot Study Results.  Research Samples.  Selection of Participants.  Description of Participants.  Four High Achievers  Four Low Achievers  Research Instruments, Data Collection Techniques and Scoring Procedures.  Error Correction Test	49 50 51 51 52 54 54
•	Pilot Study Results.  Research Samples.  Selection of Participants.  Description of Participants.  Four High Achievers  Four Low Achievers  Research Instruments, Data Collection Techniques and Scoring Procedures.  Gap-filling Test.	49 50 51 51 52 54 54

	Written Structured Think Aloud Protocols	.56
	Scoring Written Think Aloud Protocols Rubric	57
• Sco	oring Procedures	.57
	Rubric for Scoring Cohesion features.	.57
	Rubric for Scoring Cohesion Features	.57
• The	e Study Approach	.58
• Exp	perimental Design	59
• Res	search Procedures	.59
• Sta	atistical Treatments	.61
Chapter Four: Results	s and Discussion:	.62
• In	ntroduction	62
• In	nter-rater Agreement	62
• R	Results of Scoring Cohesion Features Texts	3
• R	Results of Scoring the Error Correction Test66	5
• R	Results of Scoring the Gap-filling Test69	)
• R	Results of Scoring Metacognitive Awareness Questionnaire7	2
• R	Results of Scoring and Analyzing Written Think Aloud Protocols	74
• 0	Conclusion	32
<b>Chapter Five: Conclus</b>	sion:	83
• S	Summary of Results	.83
• F	From Empirical Findings to Pedagogical Implications	.86
• R	Recommendations for Future Research	88
References		89
Appendices		.99
<ul> <li>App</li> </ul>	pendix 1: Memo to Participants	100
• App	pendix 2: Awareness of Metacognitive Processes Questionnaire	103

•	Appendix 3: Error Correction Test	110
•	Appendix 4: Gap-filling Test	114
•	Appendix 5: Writers' Guide to Metacognitive Awareness	116
•	Appendix 6: Scoring Thinking Aloud Protocols Rubric	124
•	Appendix 7: Scoring Cohesion Features Rubric	134
•	Appendix 8: Samples of Subjects' Essays and Journal Entries	142

# **List of Tables**

1.	Table 2.1: Aspects of Metacognition
2.	Table 2.2: Types of Metacognitive Knowledge
	Table 2.3: Taxonomy of Metacognitive Processes
5.	Table 2.5: Classification of Techniques for Collecting Data on Metacognitive Awareness
A	ecording to the Temporal Dimension24
6.	Table 2.6 : Types of Cohesion
7.	Table 2.7: Types of Conjunctive Cohesion
8.	Table 4.1: Inter-rater Agreement in Terms of Two Features of Cohesion: Reference and
Sı	abstitution62
9.	Table 4.2: Results of Explicit Activation Effect of Awareness of Metacognitive Processes
	on Improving Cohesion Features in Expository Texts within
	Groups
10.	Table 4.3: Results of Explicit Activation Effect of Awareness of Metacognitive Processes
	on Improving Grammaticality Judgment Skill in Terms of Cohesion Features within Groups
	66
11.	Table 4.4: Result of Explicit Activation Effect of Awareness of Metacognitive Processes on
	Improving Grammatical Accuracy in Terms of Cohesion Features in the Gap-filling Test
	within Groups69
12.	Table 4.5. Result of Explicit Intervention on Activating Awareness of Metacognitive
	Processes of Self-Evaluation, Centering Attention and Self-Monitoring within Groups70

# **List of Figures**

1.	Figure 2.1 Rich Model of Metacognition: (Knight: 2006)	12
2.	Figure 2.2 Cognitive Approach to Writing: (Flower and Hayes (1981)	25
3.	Figure 2.3 Metacognitive Model of Metalinguistic Functions: (Bialystok & Raya	ın,
	1985)	34

# **List of Graphs**

1.	Graph 4.1: Comparison between Pretest/Posttest Mean Scores Difference across Groups
	on Cohesion Aspects in Expository Texts65
2.	Graph 4.2 Comparison between Pretest/Posttest Mean Scores Difference across Groups or
	Grammatically Judgment Skill in Error Correction Test
3.	Graph 4.3: Comparison between Pretest/Posttest Mean Scores Difference across Groups
	on Grammatical Accuracy in Gap-filling Test
4.	Graph 4.4: Comparison between Pretest/Posttest Mean Scores Difference across Groups
	on Three Metacognitive Processes