

TABLE OF CONTENTS

TITLE PAGE	i
APPROVAL PAGE	ii
AUTHENTICITY STATEMENT	iii
PREFACE	iv
TABLE OF CONTENTS	vi
LIST OF TABLES	viii
LIST OF FIGURES	ix
LIST OF APPENDICES	x
LIST OF ABBREVIATIONS	xi
ABSTRACT.....	xii
INTISARI.....	xiii
CHAPTER I INTRODUCTION	1
A. Background	1
B. Problem Formulation	2
C. Study Objective.....	3
D. Study Originality	3
E. Study Benefit.....	5
1. Theoretical benefit	5
2. Applicative benefit	5
CHAPTER II LITERATURE REVIEW	6
A. Systemic Lupus Erythematosus	6
1. Definition	6
2. Prevalence	7
3. Pathogenesis	8
4. Lupus Nephritis	10
5. Diagnosis.....	12
6. Management.....	13
7. Prognosis	15
B. Severity of Systemic Lupus Erythematosus.....	16

C. Hypoalbuminemia	17
D. Correlation of Hypoalbuminemia and severity of SLE.....	18
E. Basic Theory	19
F. Theoretical Framework	20
G. Conceptual Framework	21
H. Hypothesis.....	21
CHAPTER III RESEARCH METHODOLOGY	22
A. Design	22
B. Time and Study Setting.....	22
C. Subjects	22
1. Study population	22
2. Study sample	23
3. Sample size	23
4. Sampling technique.....	24
D. Variables and Data	24
E. Operational Definition of Variables.....	24
F. Study Material and Measurement	25
G. Study Procedure	26
H. Research Design.....	26
I. Statistical Analysis	27
CHAPTER IV RESULT AND DISCUSSION	28
A. Result	28
1. Univariate Analysis.....	28
2. Bivariate Analysis	29
B. Discussion	30
C. Study Limitations	34
CHAPTER V CONCLUSION AND SUGGESTION	36
A. Conclusion	36
B. Suggestion.....	36
REFERENCES.....	37
APPENDICES	41

LIST OF TABLES

Table Number	Title of Table	Page
Table 1	Study Originality	3
Table 2	Drug List	14
Table 3	Baseline Characteristics	28
Table 4	Bivariate Analysis	29

LIST OF FIGURES

Figure Number	Title of Figure	Page
Figure 1	Algorithm of Renal Involvement Diagnosis	10
Figure 2	Theoretical Framework	20
Figure 3	Conceptual Framework	21
Figure 4	Research Design	26

LIST OF APPENDICES

Appendices Number	Title of Appendices	Page
Appendix 1	American College of Rheumatology (ACR) Criteria	41
Appendix 2	SELENA-SLEDAI Score System	43
Appendix 3	Bivariate Analysis (BMI * Albumin Level)	46
Appendix 4	Bivariate Analysis (BMI * SELENA-SLEDAI)	46
Appendix 5	Albumin * SELENA-SLEDAI Crosstabulation (SPSS)	47
Appendix 6	Albumin * SELENA-SLEDAI Chi-Square Tests (SPSS)	47
Appendix 7	Albumin * SELENA-SLEDAI Odds Ratio (OR; 95% CI) (SPSS)	48
Appendix 8	BMI * SELENA-SLEDAI Crosstabulation (SPSS)	48
Appendix 9	BMI * SELENA-SLEDAI Chi-Square Tests (SPSS)	49
Appendix 10	BMI * Albumin Crosstabulation (SPSS)	49
Appendix 11	BMI * Albumin Chi-Square Tests (SPSS)	50
Appendix 12	Ethical Clearance Approval Letter	51

LIST OF ABBREVIATIONS

ACR	: American College of Rheumatology
ANA	: antinuclear antibody
aSLE	: adult systemic lupus erythematosus
BMI	: body mass index
CKD	: chronic kidney disease
CNS	: central nervous system
EBV	: epstein-barr virus
ESRD	: end stage renal disease
HLA	: human leukocyte antigen
IFN- α	: interferon alpha
JIA	: juvenile idiopathic arthritis
LN	: lupus nephritis
MHC	: major histocompatibility complex
NETs	: neutrophil extracellular traps
NSAIDs	: non-steroid anti-inflammatory drugs
SELENA-SLEDAI	: Systemic Lupus Erythematosus Disease Activity Index with SELENA modification
SLE	: systemic lupus erythematosus
SLICC	: Systemic Lupus Erythematosus Collaborating Clinics
pDC	: plasmacytoid dendritic cells
pSLE	: pediatric systemic lupus erythematosus
TNF- α	: tumor necrosis factor alpha