

TABLE OF CONTENT

PATTERN OF CELLULAR INTERACTION OF EDTA-BLOOD IN SEPSIS PATIENTS IN RSUP DR. SARDJITO, D. I. YOGYAKARTA	i
APPROVAL PAGE	ii
AUTHENTICITY PAGE	iii
PREFACE	iv
LIST OF FIGURES	ix
LIST OF TABLES	x
LIST OF APPENDICES	xi
ABSTRACT	xii
INTISARI	xiii
CHAPTER I	1
INTRODUCTION	1
A. STUDY BACKGROUND	1
B. PROBLEM FORMULATION	4
C. STUDY OBJECTIVE	5
D. RESEARCH AUTHENTICITY	5
E. STUDY BENEFIT	7
CHAPTER II	8
LITERATURE REVIEW	8
A. LITERATURE REVIEW	8
B. THEORETICAL FRAMEWORK	21
C. CONCEPTUAL FRAMEWORK	22
D. HYPOTHESIS	23
CHAPTER III	24
METHODS	24
A. STUDY DESIGN	24
B. PLACE AND TIME OF STUDY	24
C. STUDY POPULATION AND SUBJECTS	24
D. STUDY VARIABLES	26
E. OPERATIONAL DEFINITION OF VARIABLES	26
F. DATA COLLECTION METHOD	27
G. STUDY MATERIAL AND EQUIPMENTS	28
H. SAMPLE SIZE	29

I. DATA ANALYSIS	29
J. ETHICAL CONSIDERATION	32
CHAPTER IV	33
RESULTS AND DISCUSSION	33
A. RESULTS	33
B. DISCUSSION	46
CHAPTER V	56
CONCLUSION AND RECOMMENDATION	56
A. CONCLUSION	56
B. RECOMMENDATIONS	56
REFERENCES	58
APPENDICES	61

LIST OF FIGURES

Figure 1: Theoretical framework.....	21
Figure 2: Conceptual framework.....	22

LIST OF TABLES

Table 1: Research authenticity.....	5
Table 2. Sequential [Sepsis-related] Organ Failure Assessment Score.....	11
Table 3: Dummy table.....	31
Table 4: Subject characteristics: age and sex.....	36
Table 5: Subject characteristics: complete blood count.....	36
Table 6: Mann-Whitney U test on data from deterministic approach on B_{zp} values.....	39
Table 7: Mann-Whitney U test on data from deterministic approach on B_{zp} values.....	40
Table 8: Mann-Whitney U test on data from stochastic analysis on B_{zp} values.....	41
Table 9: Independent t-test on data from stochastic approach on B_{zp} values.....	42
Table 10: Mann-Whitney test on data from stochastic approach on absorbance values.....	43
Table 11: Result of sample size calculation.....	44

LIST OF APPENDICES

Appendix 1: Normality tests.....	61
Appendix 2: Statistical tests (Mann-Whitney U non- parametric and independent T-test).....	62
Appendix 3: Minimum, maximum, mean, standard deviation and variance.....	63
Appendix 4: Complete blood count.....	64
Appendix 5: Mean and standard deviation of complete blood count.....	65
Appendix 6: Mean and standard deviation of age of subjects.....	65
Appendix 7: Informed consent form ("lembar penjelasan kepada calon subjek" and "persetujuan keikutsertaan dalam penelitian").....	66
Appendix 8: Ethical Committee Approval letter.....	70