

TABLE OF CONTENTS

Thesis	ii
MOTTOS	iii
STATEMENT OF ORIGINALITY	iv
ACKNOWLEDGMENTS	v
TABLE OF CONTENTS.....	vii
LIST OF TABLES	x
LIST OF FIGURES	xiii
LIST OF APPENDICES	xiv
LIST OF ABBREVIATIONS	xv
ABSTRACT	xvii
CHAPTER 1	1
INTRODUCTION.....	1
A. Background of The Study	1
B. Problem Statements	3
C. Research Originality	4
D. Benefits of the Study.....	6
E. Objectives of the Study	6
CHAPTER 2	8
LITERATURE	8

A. Literature Review.....	8
B. Theoretical Basis.....	22
C. Concept of Framework.....	23
D. Empiric Statement.....	23
CHAPTER 3	25
RESEARCH METHODS	25
A. Research Design.....	25
B. Location and Duration of The Study.....	25
C. Research Subject.....	25
D. Research Variables.....	27
E. Definitions of Operational Variables	27
F. Research Instruments	29
G. Research Procedures	30
H. Data Analysis	30
CHAPTER 4	34
RESULTS AND DISCUSSION	34
A. Patient Characteristics.....	34
B. Overview of Drugs Used in Critical Care Patients	43
C. Intravenous Drug Combination in ICU, ICCU, HCU Patients	47
D. Compatibility Problems of Intravenous Drug Administration.....	49
E. Drug in Stability Problems.....	64

F. Effect of intravenous drug incompatibilities on risk factors such as Length of stay in Intensive Care Unit (LOS), Number of IV drugs, and cause of hospitalization	67
G. Limitation of The Study	73
CHAPTER 5	74
CONCLUSION AND SUGGESTIONS	74
A. Conclusion	74
B. Suggestions	74
REFERENCES	76
APPENDIX	79
SUMMARY	118
PUBLICATION MANUSCRIPT	137