## LIST OF CONTENTS

## Pages

COVER PAGE ..... i
ENDORSEMENT FORM. ..... ii
DECLARATION ..... iii
IDENTITY ..... iv
SUMMARY ..... vi
ABSTRACT ..... viii
ACKNOWLEDGMENT ..... ix
LIST OF CONTENTS ..... xi
LIST OF FIGURES ..... xiii
LIST OF TABLES ..... xiv
LIST OF APPENDICES ..... xV
ABBREVIATION AND SYMBOLS ..... xvi
CHAPTER I INTRODUCTION ..... 1
1.1 Research Background. ..... 1
1.2 Problem Statements ..... 3
1.3 Theoretical base ..... 4
1.4 Research Aims ..... 7
1.5 Research Outcomes ..... 7
1.6 Hypothesis. ..... 7
CHAPTER II LITERATURE REVIEW ..... 8
2.1 Cat (Felis catus) ..... 8
2.2 Gastrointestinal Physiology of Cat ..... 9
2.3 Stadium of Anesthesia. ..... 11
2.4 Acepromazine and Ketamine as Anesthetic Agents ..... 13
2.5 Diazepam and Ketamine as Anesthetic Agents. ..... 14
2.6 Contrast Radiography ..... 14
CHAPTER III MATERIALS AND METHODS ..... 19
3.1 Research Design ..... 19
3.2 Population and Samples ..... 19
3.3 Research Variables ..... 19
3.3.1 Independent variables ..... 19
3.3.2 Dependent variables ..... 19
3.3.3 Control variables ..... 19
3.4 Operational Definition of Variables. ..... 20
3.5 Research Location and Time ..... 21
3.6 Research Material and Equipments ..... 22
3.7 Research Methods ..... 22
3.7.1 Preparation stage ..... 22
3.7.2 Induction of anesthesia ..... 22
3.7.3 $\mathrm{BaSO}_{4}$ administration ..... 23
3.7.4 Radiology interpretation ..... 23
3.8 Data analysis ..... 24
3.9 Research Flowchart ..... 26
CHAPTER IV RESULTS
4.1 Diameter of Small Intestine ..... 27
4.2 Gastrointestinal BaSO4 Transit Time ..... 28
CHAPTER V DISCUSSIONS
4.1 Amplitude of Small Intestine. ..... 31
4.2 Gastrointestinal $\mathrm{BaSO}_{4}$ Transit Time. ..... 32
CHAPTER VII CONCLUSION AND SUGGESTION ..... 34
REFERENCES ..... 35
APPENDICES ..... 39

