

TABLES OF CONTENTS

APPROVAL PAGE.....	ii
TABLES OF CONTENTS.....	iii
LIST OF TABLES.....	vi
LIST OF FIGURES.....	vii
INTISARI.....	viii
ABSTRACT.....	ix
CHAPTER I. INTRODUCTION.....	1
A. Background... ..	1
B. Research Question.....	2
C. Research Objectives	2
D. Research Authenticity... ..	3
E. Research Benefits.....	9
CHAPTER II. BIBLIOGRAPHICAL REVIEW.....	
A. Literature Review.....	10
1. Breast Cancer... ..	10
1. Definition... ..	11
2. Early Detection and Screening.....	11
3. Diagnosis.....	11
1. Biopsy... ..	12
1. FNA Biopsy... ..	12
2. Core Needle Biopsy... ..	12

3. Surgical (Open) Biopsy.....	13
4. Lymph Node Biopsy... ..	13
4. Staging.....	14
5. Management.....	19
2. Nottingham Prognostic Index.....	20
1. Definition... ..	20
2. NPI Calculation... ..	20
1. Maximum Invasive Cancer Size.....	21
2. Lymph Node Stage (LN)	21
3. Histological Grade (H).....	22
3. Prognostic Score.....	23
1. Definition... ..	23
4. Distant Metastasis of Breast Cancer... ..	24
1. Definition... ..	24
2. Management.....	26
3. Prognosis	26
B. Theoretical Framework.....	27
C. Conceptual Framework	28
D. Hypothesis.....	28
CHAPTER III. RESEARCH METHODOLOGY.....	29
A. Study Design	29
B. Study Settings.....	29
C. Study Subjects.....	29

D. Tools.....	30
E. Variables	31
F. Operational Variables Definition	31
G. Study Procedure	32
H. Data Analysis	33
I. Ethical Clearance.....	33
CHAPTER IV. RESULTS AND DISCUSSION.....	34
A. Results.....	34
1. Baseline Characteristics of Research Subjects	34
2. Cut-off Point for Prognostic Groups	37
3. Survival Analysis.....	38
4. Comparing Baseline Characteristics for Good and Bad Prognostic Group	40
B. Discussion.....	46
C. Study Strengths and Limitations.....	48
CHAPTER V. CONCLUSION AND SUGGESTION	50
REFERENCES.....	51

LIST OF TABLES

Table 1. <i>Research Authenticity</i>	4
Table 2. <i>Breast Cancer Staging</i>	14
Table 3. <i>Descriptive Statistics for Continuous Variable</i>	35
Table 4. <i>Descriptive Statistics for Categorical Variables</i>	36
Table 5. <i>Case Processing Summary for Survival Analysis</i>	40
Table 6. <i>Comparison of Continuous Baseline Characteristics for Good and Bad Prognostic Group</i>	41
Table 7. <i>Comparison of Categorical Baseline Characteristics for Good and Bad Prognostic Groups</i>	47
Table 8. <i>Categories of NPI Prognostic Groups according to Fong et.al (2015)</i>	

LIST OF FIGURES

Figure 1. Theoritical Framework	27
Figure 2. Conceptual Framework	28
Figure 3. Study procedure.....	32
Figure 4. ROC Curve for determining cut-off point for prognostic groups	38
Figure 5. Kaplan-Meier Curve for NPI Prognostic Groups	39