

## CONTENTS

	<b>PAGE</b>
Contents.....	(x)
List of Tables.....	(xiii)
List of Figures.....	(xiv)
Chapter	
1. Introduction	
Background and Significance of Research Problems.....	1
Objective of the Study.....	4
Research Questions.....	4
Conceptual Framework.....	5
Definition of Terms.....	8
2. Literature review	
Schizophrenia.....	9

Expressed Emotion.....	16
Culture and Expressed Emotion.....	26
The Relationships between EE and Caregivers of Schizophrenic Patients	28
Concepts Close to Related to EE.....	44
Theoretical Foundation of Measurement .....	50

### 3. Research Methodology

#### CONTENTS (Continued)

	<b>PAGE</b>
Research Design.....	59
Phase I Development of the Thai Expressed Emotion Scale.....	59
Subjects.....	63
Setting and Procedures.....	64

Phase II Psychometric Evaluation of the TEES.....	64
Subjects.....	65
Setting and Procedures.....	65
Protection of Human Subjects' Right.....	75
 4. Results and Discussion	
Components of the TEES.....	78
Expert Approval.....	84
Factor Analysis.....	85
Reliability and Validity of the TEES.....	98
Discussion.....	109
Summary.....	120
 5. Conclusions and Recommendations.....	121
Conclusions.....	121
Limitations.....	125
Implications of Findings.....	126

Future research Recommendations.....	126
--------------------------------------	-----

**CONTENTS (Continued)**

	<b>PAGE</b>
References.....	128
Appendices.....	148
A: In-depth Interview Guide.....	149
B: Content Validity Form.....	154
C: Questionnaires and the 53-Items of the TEES.....	156
D: Protection of Human Subjects' rights.....	163
E: List of Experts.....	166
F: The 49 Items of the Thai Expressed Emotion Scale (TEES)	168
Vitae.....	172

## LIST OF TABLES

<b>TABLE</b>	<b>PAGE</b>
1. Existing Scales for Assessing EE.....	24
2. Summary of Psychometric Evaluation for Reliability and Validity of the TEES	73
3. Demographic Characteristics of the Caregivers.....	87
4. Demographic Characteristics of Patients Received Care.....	89
5. Factor Loadings, Percent of Variance, Eigenvalues, and Communalities for Varimax Factor Rotation	94
6. Demographic Characteristics of Patients Participating in the Study .....	99
7. Cronbach' Coefficient Alpha Reliability for the Seven Factors of the TEES.....	100

8. Differences in TEES Subscale Score for Caregiver Living with Their Schizophrenic Relative versus Those not Living with Their Relative.....	102
9. Differences Between Caregivers Who Have High and Low on TEES Subscales: Number of Hospitalization, Duration of the Patients' Illness, Caregiver's Psychological Dysfunction, and Level of Patient's Self Care.....	105
10. Spearman Correlation Coefficients Between Perceived Criticisms Scores, TEES and Critical Comment Scores .....	107
11. Spearman Correlation Coefficients Between Scores on the Adjective Checklist and TEES Subscale Scores.....	108

## LIST OF FIGURES

FIGURE	PAGE
1. Conceptual model of EE and its relationship to the course of illness in schizophrenia	7
2. Type of Parental Bonding.....	48
3. Components of Observed Scores.....	51
4. Basic Formulation of Classical Measurement Theory.....	54
5. The development and testing psychometric properties of the TEES.....	77
6. Scree Plot for Principal Components Analysis.....	91