

TABLE OF CONTENT

COVER.....	i
RATIFICATION PAGE.....	ii
AUTHENTICITY STATEMENT.....	iii
ACKNOWLEDGEMENT.....	iv
TABLE OF CONTENT.....	vi
LIST OF TABLES.....	viii
LIST OF FIGURE.....	ix
ABSTRACT.....	x
CHAPTER I. INTRODUCTION.....	1
I.1. Background.....	1
I.2. Research Question.....	6
I.3. Research Objective.....	6
I.4. Significance of Research.....	6
I.5. Benefit of The Research.....	8
CHAPTER II. LITERATURE REVIEW.....	9
II.1. Review of Diabetes Mellitus.....	9
II.1.1. Definition of and Epidemiology of DM.....	9
II.1.2. Types of Diabetes.....	10
II.1.3. Pathophysiology of Type-2 DM.....	13
II.1.4. Symptoms of Diabetes Mellitus.....	15
II.1.5. Diagnosis Criteria for DM.....	16
II.1.6. Complication of DM Type-2.....	16
II.2. Review of Diabetic Retinopathy.....	17
II.2.1. Definition of and Epidemiology of DR.....	17
II.2.2. Classification of DR.....	19
II.2.3. Pathophysiology of DR.....	22

II.2.4. Risk Factor of DR.....	25
II.3. Review of Smoking.....	26
II.4. Conceptual Framework.....	29
II.5. Hypothesis.....	30
CHAPTER III. METHODS.....	31
III.1. Research Design.....	31
III.2. Place and Time.....	31
III.3. Population and Subject.....	32
III.3.1. Population.....	32
III.3.2. Subject.....	32
III.4. Sampling Method.....	32
III.5. Research Instrument.....	35
III.6. Research Procedure.....	35
III.6.1. Research Plot.....	35
III.6.2. Method and Measurement Design.....	35
III.7. Research Variable.....	36
III.8. Data Analysis.....	36
III.9. Operational Variable Definition.....	36
CHAPTER IV. RESULT AND DISCUSSION.....	38
IV.1. Result.....	38
IV.1.1. Number and Characteristic of Subject...38	
IV.1.2. Relation of Smoking and DR.....	42
IV.2. Discussion.....	45
CHAPTER V. CONCLUSION AND SUGGESTION.....	48
V.1. Conclusion.....	48
V.2. Suggestion.....	48
REFERENCES.....	49