

## **TABLE OF CONTENTS**

<b>CHAPTER I INTRODUCTION .....</b>	<b>8</b>
1.1 Background.....	9
1.2. Problem Formulation.....	12
1.3. Research Objective.....	12
1.4. Research Authenticity.....	12
1.5. Research Benefits .....	19
1.5.1. Benefits for TB patients in Indonesia.....	19
1.5.2. Benefits for the fight against TB in Indonesia.....	19
1.5.3. Benefits for TB patients worldwide.....	20
<b>CHAPTER II LITERATURE REVIEW.....</b>	<b>21</b>
2.1. Tuberculosis.....	22
2.2. Treatment.....	23
2.3 Liver Transaminases AST and ALT.....	25
2.4. DILI.....	26
2.5. Hypothesis.....	29
2.6. Conceptual Framework.....	30
<b>CHAPTER III RESEARCH METHOD .....</b>	<b>31</b>
3.1. Research Design.....	32
3.2. Population.....	32
3.2.1. Inclusion Criteria .....	33
3.2.2. Exclusion Criteria .....	33
3.3. Variables .....	34
3.3.1. Research Variables .....	34
3.3.2. Operational Variable Definitions .....	34
3.4. Research Instruments and Data Collection Procedure.....	36
3.5. Data Retrieval Procedure.....	37
3.6. Data Analysis Method.....	37
3.7. Research Limitations .....	38

<b>CHAPTER IV RESULT ANALYSIS AND DISCUSSION</b> .....	41
4.1. Baseline Characteristics of Study Subjects .....	42
4.2. Liver Transaminases Before and After Treatment.....	45
4.3. Associations between Transaminase Elevation and Other Variables.....	51
<b>CHAPTER V CONCLUSION AND SUGGESTIONS</b> .....	57
5.1. Conclusion.....	58
5.2. Suggestions.....	58
<b>APPENDICIES</b> .....	68

## **TABLES & FIGURES**

Table 3.1 .....	18
Table 1. Baseline characteristics of the 262 study subjects .....	40
Table 2. ALT and AST levels pre and post treatment .....	43
Table 3. Frequencies of transaminase elevation severity.....	44
Table 4. Comparing pre-treatment and post-treatment severity grades of ALT/AST elevation .....	45
Table 5. Characteristics of subjects with ALT elevation .....	46
Table 6. Characteristics of subjects with AST elevation .....	47