

## LIST OF CONTENTS

<b>TITLE</b>	
<b>ENDORSEMENT</b> .....	ii
<b>ACKNOWLEDGEMENTS</b> .....	iii
<b>LIST OF CONTENTS</b> .....	iv
<b>LIST OF TABLES</b> .....	vi
<b>LIST OF FIGURES</b> .....	vii
<b>LIST OF APPENDIXES</b> .....	viii
<b>ABSTRACT</b> .....	ix
<b>INTISARI</b> .....	x
<b>CHAPTER I . INTRODUCTION</b> .....	1
1.1. Background .....	1
1.2. Problem Formulation .....	4
1.3. Research Objective .....	5
1.4. Research Benefit .....	5
<b>CHAPTER II. LITERATURE REVIEW</b> .....	7
2.1. <i>Tectona Grandis</i> L.f .....	7
2.2. Tree Growth .....	7
2.3. Stem Volume .....	11
2.4. Crown .....	14
2.4.1. Canopy Cover .....	18
2.4.2. Measuring Canopy Cover .....	21
<b>CHAPTER III. METHOD</b> .....	25
3.1. Approach .....	25
3.2. Location and Research Time .....	26
3.3. Tools and Equipments .....	27
3.4. Data Collection and Sources .....	27

3.4.1. Tree Diameter Measurement .....	27
3.4.2. Crown Width Measurement .....	28
3.4.3. Tree Height Measurement .....	29
3.4.4. Growing Space Calculation .....	30
3.5. Data Processing .....	30
3.5.1. Individual Canopy Cover Measurement .....	30
3.5.2. Individual Canopy Cover Classification.....	31
3.5.3. Stem Volume Estimation .....	32
3.5.4. Curve fit Analysis .....	32
CHAPTER IV. RESULTS AND DISCUSSION .....	34
4.1. Individual Canopy Cover .....	34
4.2. Stem Volume.....	38
4.3. Curve Fit Analysis .....	41
CHAPTER V. CONCLUSIONS AND RECOMMENDATION .....	46
5.1. Conclusions .....	46
5.2. Recommendation.....	47
REFERENCES .....	48
APPENDIXES .....	50