

## TABLE OF CONTENTS

VALIDITY SHEET .....	ii
STATEMENT OF ORISIONALITY SHEET.....	iii
ABSTRACT .....	iv
PREFACE .....	v
LIST OF FIGURE .....	x
LIST OF TABLE .....	xii
CHAPTER I PRELIMINARY .....	1
I.1.    Background .....	1
I.2.    Problem Formulation .....	7
I.3.    Research Objective .....	7
I.4.    Research Scope.....	7
I.5.    Research Benefit.....	8
I.6.    Systematic of Writing .....	8
CHAPTER II LITERATURE REVIEW.....	9
II.1.    Feasibility Study.....	9
II.2.    Objective of Feasibility Study .....	9
II.3.    Feasibility Study Phase.....	10
II.4.    Feasibility Study Aspects .....	13
II.4.1.    Market Aspect .....	13
II.4.1.1.    Segmenting, Targeting, Positioning.....	14
II.4.1.2.    Marketing Mix .....	15
II.4.2.    Technical and Technology Aspect .....	16
II.4.3.    Financial Aspect .....	19
II.4.3.1.    Break Even Point .....	19
II.4.3.2.    Payback Period .....	20
II.4.3.3.    Net Present Value .....	21
II.4.3.4.    Internal Rate of Return.....	22
II.4.3.5.    Incremental Analysis.....	23
II.4.3.6.    Sensitivity Analysis.....	24
II.4.3.6.    Previous Research.....	25

<b>CHAPTER III RESEARCH METHODOLOGY .....</b>	<b>29</b>
III.1. The Conceptual Model.....	29
III.2. The systematic of Problem Solving .....	30
III.2.1. Preliminary Phase.....	31
III.2.1.1. Problem Identification and Formulation.....	31
III.2.1.2. Objectives Identification .....	32
III.2.1.3. Problem Boundaries.....	32
III.2.2. Data Collection Phase .....	32
III.2.2.1. Primary Data .....	32
III.2.2.2. Secondary Data.....	33
III.2.2.3. Market Aspect Data Collection .....	33
III.2.2.4. Technical Aspect Data Collection .....	33
III.2.3. Data Processing Phase .....	34
III.2.3.1. Market Data Processing .....	34
III.2.3.2. Financial Data Processing .....	34
III.2.3.3. Technical Data Processing .....	34
III.2.4. Data Analysis Phase .....	34
III.2.4.1. Feasibility Analysis .....	34
III.2.4.2. Incremental IRR Analysis .....	34
III.2.4.3. Sensitivity Analysis .....	35
III.2.5. Conclusion and Recommendation .....	35
<b>CHAPTER IV DATA COLLECTING AND PROCESSING .....</b>	<b>36</b>
IV.1. Company Profile .....	36
IV.2. Market Aspect.....	37
IV.2.1. Data Collecting of Market Aspect .....	37
IV.2.2. Data Processing of Market Aspect.....	40
IV.3. Technical Aspect.....	51
IV.3.1. Data Collecting of Technical Aspect .....	51
IV.3.2. Data Processing of Technical Aspect.....	76
IV.4. Financial Aspect.....	92
IV.4.1. Data Collecting of Financial Aspect .....	92
IV.4.2. Data Processing of Financial Aspect.....	94
IV.4.2.1. Revenue Projection .....	94

IV.4.2.2.	Depreciation Cost .....	96
IV.4.2.3.	Financial Data.....	96
IV.4.2.4.	Source of Funding.....	100
IV.4.2.5.	Income Statement .....	100
IV.4.2.6.	Cash Flow.....	103
IV.4.2.7.	Balance Sheet .....	103
IV.4.2.8.	Feasibility Analysis.....	106
IV.4.2.9.	Sensitivity Analysis .....	110
	CHAPTER V ANALYSIS .....	111
V.1.	Market Aspect Analysis.....	111
V.1.1.	Potential Market Analysis .....	111
V.1.2.	Available Market Analysis.....	111
V.1.3.	Targeted Market Analysis .....	111
V.2.	Technical Aspect Analysis.....	111
V.2.1.	Production and Distribution Volume Analysis.....	111
V.2.2.	Production and Distribution Cost Analysis .....	112
V.2.3.	Labor Analysis.....	113
V.2.4.	Cost of Labor Analysis .....	114
V.2.5.	Location and Layout of Distribution System Analysis .....	115
V.2.6.	Distribution Capacity Analysis.....	115
V.3.	Financial Aspect Analysis .....	116
V.3.1.	Revenue Projection Analysis.....	116
V.3.2.	Source of Funding Analysis .....	117
V.3.3.	Income Statement Analysis .....	118
V.3.4.	Cash Flow Analysis .....	118
V.4.	Feasibility Analysis .....	119
V.4.1.	Business Feasibility Calculation.....	119
V.4.2.	Net Present Value Analysis .....	120
V.4.3.	Internal Rate of Return Analysis .....	121
V.4.4.	Payback Period Analysis.....	121
V.5.	Sensitivity Analysis .....	121
	CHAPTER VI CONCLUSION AND RECOMMENDATION.....	123
VI.1.	Conclusion .....	123

VI.2. Recommendation .....	125
REFERENCES .....	126
APPENDIX .....	128