

LIST OF CONTENT

ABSTRACT.....	i
VALIDITY SHEET.....	ii
ORIGINALITY STATEMENT PAGE.....	iii
PREFACE.....	iv
LIST OF CONTENT.....	v
LIST OF FIGURE.....	ix
LIST OF TABLE.....	x
GLOSSARY.....	xiv
ATTACHMENT LIST.....	xvi
CHAPTER I INTRODUCTION.....	1
I.1 Background.....	1
I.2 Alternative Solutions.....	5
I.3 Problem Formulation.....	6
I.4 Final Assigment Objective.....	6
I.5 Final Assignment Benefit.....	6
I.6 Writing Systematics.....	6
CHAPTER II THEORITICAL BASIC.....	8
II.1 Theory.....	8
II.1.1 Warehouse.....	8
II.1.2 Warehouse Business Process.....	8
II.1.3 Economic Order Quantity (EOQ).....	9
II.1.4 Newsvendor Model.....	10
II.1.5 Numerical Analysis.....	18
II.2 Method Selection Reason.....	18

II.3 Previous Research	20
CHAPTER III DESIGN METHODOLOGY	22
III.1 Design Systematic	22
III.1.1 Preliminary Stages	23
III.1.2 Data Collection and Processing	23
III.1.3 Analysis	24
III.1.4 Conclusion	24
III.2 Final Assignment Scope and Assumption	24
III.3 Identification of Integrated System	25
III.4 Final Assignment Completion Plan	26
CHAPTER IV DATA COLLECTING AND PROCESSING	27
IV.1 Data Collecting	27
IV.1.1 Selling Price	27
IV.1.2 Manufacturing Cost	29
IV.1.3 Salvage Value	30
IV.1.4 Monthly Demand	31
IV.1.5 Omaiza Quilted Shoulder Bag Beige	32
IV.1.6 Taruly Croco Sling Bag Brown	33
IV.1.7 Inbound and Outbound of Products	34
IV.2 Design Specification and Standards	44
IV.3 Data Processing	45
IV.3.1 Determining Stocking Forecast	45
IV.3.2 Determining Product, Forecast, and Demand	45
IV.3.3 Determining Demand Forecast Ratio	48
IV.3.4 Determining Mean	55
IV.3.5 Determining Standard Deviation	56

IV.3.6 Determining Expected Actual Demand	56
IV.3.7 Determining F(Q)	57
IV.3.8 Determining Z-Statistic	58
IV.3.9 Determining the Distribution Function	59
IV.3.10 Determining Critical Ratio	62
IV.3.11 Discrete Distribution Function Demand Forecast	62
IV.3.12 Normal Distribution Demand Forecast	63
IV.3.13 Expected Lost Sales.....	63
IV.3.14 Expected Sales.....	64
IV.3.15 Expected Leftover Inventory	65
IV.3.16 Expected Profit	66
IV.3.17 Numerical Method.....	66
IV.4 Design Result	141
IV.5 Verification	142
CHAPTER V ANALYSIS.....	147
V.1 Validation	147
V.2 Evaluation	148
V.3 Analysis and Implementation Plan	151
CHAPTER VI CONCLUSION AND SUGGESTION	154
VI.1 Conclusion	154
VI.2 Suggestion and Recommendation.....	155
VI.2.1 Suggestion for the Company.....	155
VI.2.2 Suggestion for the Next Research.....	155
REFERENCE.....	156
APPENDIX A – INBOUND AND OUTBOUND OF PRODUCT	157
APPENDIX B – PRODUCT PRICE AND MANUFACTURING COST	169

APPENDIX C – NEWSVENDOR MODEL CALCULATION	181
APPENDIX D – STANDARD NORMAL FUNCTION	214