



TABLE OF CONTENTS

DECLARATION OF ACADEMIC INTEGRITY	i
ACKNOWLEDGEMENTS.....	iv
TABLE OF CONTENTS.....	v
LIST OF FIGURES	vii
LIST OF TABLE	viii
ABSTRACT	ix
CHAPTER I. INTRODUCTION.....	1
A. Background.....	1
B. Research Problem	5
C. Research Design Framework	6
D. Objective of Research	6
E. Limitation of Research	7
F. Research Location.....	7
CHAPTER II. LITERATURE REVIEW	8
A. Dry port Concept	8
B. Concept of Container Terminal Services.....	14
C. Service Quality Measurement.....	15
D. Kano's Models of Customer Satisfaction	16
E. Freight Forwarder	19
F. National Railways Master Plan	20
CHAPTER III. RESEARCH DESIGN AND METHODOLOGY	22
A. Research Design	22
B. Data Source.....	24
C. Research Process	24
D. Data Collection	25
E. Data Collection Tool	28
F. Analytical Hierarchy Process (AHP) Concept	29
1. Stage of Analytic Hierarchy Process (AHP).....	33



2. Arrangement Hierarchy	34
3. Analysis Data Analytic Hierarchy Process (AHP)	35
G. Expert Choice 2000	37
CHAPTER IV. EMPIRICAL STUDY	38
A. Overview of Gedebage Dry Port.....	38
B. Stakeholder Analysis.....	42
C. SWOT Analysis of Rail Transport	44
CHAPTER V. ANALYSIS AND DISCUSSION	46
A. Description of Freight Flows with Gedebage Dry Port	46
B. Interview Result	47
C. Descriptive Analysis	51
D. Analysis Priority with AHP Method	53
CHAPTER VI. CONCLUSION AND RECOMMENDATION	61
A. Conclusion.....	61
B. Recommendation.....	62
LIST OF REFERENCES	64
APPENDIXES	66



LIST OF FIGURES

Figure 1. 1 Export Import Growth in West Java.....	3
Figure 1. 2 Composition of Transport Modes in Port of Tanjung Priok.....	4
Figure 1. 3 Export Import through Gedebage Dryport	5
Figure 2. 1 Description of Freight Flows without and with Dry Port	9
Figure 2. 2 Kano's Model of Customer Satisfaction.....	17
Figure 3. 1 Research Flowchart	23
Figure 3. 2 AHP Concept.....	31
Figure 3. 3 AHP Process	34
Figure 3. 4 AHP Hierarchy	35
Figure 4. 1 Transport Network from Bandung to Tanjung Priok	39
Figure 4. 2 Container Movement trough Gedebage Dryport	40
Figure 4. 3 Transtainer	41
Figure 4. 4 Top Loader.....	42
Figure 4. 5 Forklift 3.5 Ton.....	42
Figure 5. 1 Description of Freight Flow with Gedebage Dry Port.....	46
Figure 5. 2 Improvement Priority Scheme	55
Figure 5. 3 The Result of the Calculate / Output Combined to all Criteria	56
Figure 5.4 Tariff.....	57
Figure 5. 5 Travel Time	57
Figure 5. 6 Frequency	58
Figure 5. 7 Punctuality	58
Figure 5. 8 Security	59
Figure 5. 9 Accessibility	59
Figure 5. 10 Pairwise Comparison between Modes.....	60



LIST OF TABLE

Table 2. 1 Impacts Generated by dry ports for the actors of the transport system	13
Table 4. 1 Equipment for Loading and Unloading in Dry Port Gedebage	41
Table 4. 2 Stakeholder Analysis	43
Table 4. 3 SWOT Analysis	45
Table 5. 1 Descriptive Analysis of Truck	51
Table 5. 2 Descriptive Analysis of train.....	52