

TABLE OF CONTENTS

STATEMENT.....	iii
ACKNOWLEDGEMENT	iv
LIST OF TABLES	ix
LIST OF FIGURES	x
ABSTRACT	xi
ABSTRAK	xii
CHAPTER I.....	1
INTRODUCTION.....	1
1.1. External Environment.....	1
1.1.1 Maritime Industry	1
1.1.2 Shipyard Industry.....	7
1.1.3 Ship Component Industry	9
1.2. Internal Environment.....	11
1.3. Problem Formulation.....	13
1.4. Objectives	14
1.5. Benefits.....	14
1.6. Outline	14
CHAPTER II	16
LITERATURE REVIEW.....	16
2.1 Strategic Importance of Quality Management	16
2.1.1 The Importance of Quality.....	16

2.1.2 Total Quality Management	17
2.1.3 Managing Quality in The Shipyard Industry	18
2.2 Strategic Importance of Maintenance Management.....	20
2.2.1 The Importance of Maintenance	20
2.2.2 Ship Repair	22
2.2.3 Factors Affecting Ship Repair Cost	25
2.3 The Strategic Importance of Partnership.....	26
2.3.1 Process Strategy in Shipyard Industry	26
2.3.2 Cross Business Strategic Fit	30
2.3.3 Outsourcing Strategy	31
2.4 The Strategic Importance of Location Decision.....	34
CHAPTER III	36
RESEARCH METHOD	36
3.1 Level of Analysis.....	36
3.2 Sources of Data	36
3.3 Data Collection Methods.....	37
3.4 Research Steps.....	37
CHAPTER IV	41
STRATEGY AND PLAN	41
4.1 Description of The Venture	41
4.1.1 Vision, Mission, and Business Objectives.....	41
4.1.2 Product and Services.....	42
4.1.3 Location	44
4.2 Marketing Plan	45

4.2.1 Customer Segment	45
4.2.2 Value Proposition	46
4.2.3 Pricing Strategy.....	47
4.2.4 Market Opportunity	48
4.2.5 Channels.....	50
4.3 Operational Plan	52
4.3.1 Layout and Facilities.....	52
4.3.2 Workshop Equipment	53
4.3.3 Key Activities	58
4.3.4 Key Partners.....	68
4.4 Human Resources Plan.....	69
4.4.1 Organization Structure.....	70
4.4.2 Job Description and Qualification	71
4.4.3 Working Hours and Travel Requirement.....	77
4.4.4 Work Agreement and Compensation Scheme	79
4.5 Financial Plan	80
4.5.1 Assumptions.....	80
4.5.2 Initial Investment	81
4.5.3 Operational Costs.....	82
4.5.4 Source of Capital	83
4.5.5 Cash Flow Projection.....	84
4.5.6 Payback Period, Internal Rate of Return, and Net Present Value.....	89
4.6 Risk Mitigation and Exit Strategies.....	89
4.6.1 Risk Mitigation Strategies	89

4.6.2 Exit Strategies	92
CHAPTER V	94
IMPLEMENTATION PLAN.....	94
5.1 Timeline and Activities	94
5.1.1 Preparation Activities	95
5.1.2 Human Capital Development Activities	98
5.1.3 Operational Activities	101
5.1.4 Marketing Activities	103
5.1.5 Evaluation Activities.....	105
5.2 Person in Charge	106
5.3 Performance Measurement.....	110
BIBLIOGRAPHY	113
APPENDIX 1	115
APPENDIX 2	117
APPENDIX 3	125
APPENDIX 4	136
APPENDIX 5	141
APPENDIX 6	147

LIST OF TABLES

Table 3. 1 Research Activities and Schedules	38
Table 4.1 Potential Revenue for Producing Ship Interior	48
Table 4.2 Potential Revenue for Supporting Ship Repair	49
Table 4.3 Investment Plan in Land and Workshop Construction	53
Table 4.4 Capacity Planning for Ship Interior and Ship Component Repair	54
Table 4.5 Number of Unit Machine Calculation for Ship Component Repair	55
Table 4.6 Investment Plan in Workshop Engineering Machines and Tools	56
Table 4.7 Investment Plan in Office Tools and Furniture.....	57
Table 4.8 Investment Plan in Design Engineering.....	57
Table 4.9 Investment Plan in Safety Equipment.....	58
Table 4.10 Organization Structure	71
Table 4.11 Job Description and Qualification.....	72
Table 4.12 Working Hour and Travel Requirement	78
Table 4.13 Operating Cost for Permanent Employee	79
Table 4.14 Total Initial Investment.....	81
Table 4.15 Fixed Operational Costs.....	82
Table 4.16 Bank Loan Repayment (IDR)	84
Table 4.17 Target Sales Revenues	84
Table 4.18 Cash Flow Projection for Optimistic Scenario	86
Table 4.19 Cash Flow Projection for Pessimistic Scenario	88
Table 4.20 Payback Period, IRR, and NPV	89
Table 5. 1 Action Plan Timeline	94

LIST OF FIGURES

Figure 1.1 Maritime Industry Characteristics	2
Figure 1.2 The Number of National Ships and Shipping Companies	5
Figure 1.3 Domestic Shipyards Capacity for New Shipbuilding	8
Figure 1.4 Domestic Shipyards Capacity for Ship Repair	9
Figure 2.1 Four Process Strategies	27
Figure 2.2 Cross Business Strategic Fit	30
Figure 4.1 Illustration of Workshop Fabrication	43
Figure 4.2 Illustration of Workshop Machinery	43
Figure 4.3 Illustration of Workshop Layout	52
Figure 4.4 General Process for Ship Repair	60
Figure 4.5 General Process for Ship Component Manufacturing	62
Figure 4.6 Ship Component Certification at BKI	64
Figure 4.7 Welding Certification at BKI	66
Figure 4.8 Workshop Certification at BKI	67
Figure 4.9 Mitra Bahari Engineering Organizational Structure	70
Figure 4.10 Shipyard Production Costs	83
Figure 5. 1 Workshop Management Structure	106