

TABLE OF FIGURES

Figure II. 1 Reverse Logistics Main Process	11
Figure II. 2 Sustainable Reverse Logistics Performance Criteria and Sub-criteria	13
Figure II. 3 Stages of the QuickStart Methodology	16
Figure III. 1 Conceptual Model.....	21
Figure III. 2 Research Systematic	23
Figure IV. 1 PT. Elco Indonesia Sejahtera Logo	28
Figure IV. 2 Organizational Structure.....	30
Figure IV. 3 The Proposed Organizational Structure.....	33
Figure IV. 4 Accepting Returned Products from Customer (As-Is)	35
Figure IV. 5 The Preparation for Product Repair Process (As-Is).....	36
Figure IV. 6 The Process of Product Repair Process (As-Is).....	37
Figure IV. 7 Grand Design Business Process	39
Figure IV. 8 Level 0 Business Process	41
Figure IV. 9 Level 1 Business Process	41
Figure IV. 10 Accepting Returned Products from Customer (To-Be).....	42
Figure IV. 11 The Preparation for Product Repair Process (To-Be).....	44
Figure IV. 12 The Process of Product Repair (To-Be)	45
Figure IV. 13 Accepting Message to Repair form Quality Check (To-Be).....	47
Figure IV. 14 Remanufacturing Order Reporting Process (To-Be).....	48
Figure IV. 15 Master Data Product.....	54
Figure IV. 16 Master Data Bill of Material	56
Figure IV. 17 Master Data Work Center.....	57
Figure IV. 18 Use Case Diagram	58
Figure IV. 19 Activity Diagram of Maintain Circular Economy Product	63
Figure IV. 20 Activity Diagram of Maintain Circular Economy Bill of Material	64
Figure IV. 21 Activity Diagram of Maintain Circular Economy Work Center..	65
Figure IV. 22 Activity Diagram of Maintain Circular Economy Repair Order..	66
Figure IV. 23 Activity Diagram of Maintain Circular Economy Remanufacturing Order	68

Figure IV. 24 Activity Diagram of Maintain Circular Economy Return Product 69

Figure IV. 25 Activity Diagram of Maintain Circular Economy Remanufacturing Order Report..... 69

Figure IV. 26 ERD 71

Figure V. 1 Configuration of Product Master Data..... 78

Figure V. 2 Configuration of Bill of Material Master Data (Components) 81

Figure V. 3 Configuration of Bill of Material Master Data (Operation) 81

Figure V. 4 Configuration of Bill of Material (By-Products) 81

Figure V. 5 Configuration of Work Center Master Data 83

Figure V. 6 Circular Economy Remanufacturing Order Report (Line Chart) 84

Figure V. 7 Circular Economy Remanufacturing Order Report (Pivot Table)... 84

Figure V. 8 Circular Economy Reverse Logistics Dashboard 85