

LIST OF TABLE

Table I. 1 Unfulfilled Demand and Loss Cost Percentage.....	2
Table II. 1 Performance Characteristics of Distributor Storage with Last-Mile Delivery	9
Table IV. 1 Location of Existing Facility	22
Table IV. 2 Sekejati Customer Distribution.....	22
Table IV. 3 Ujung Berung Customer Distribution.....	23
Table IV. 4 Cipedes Customer Distribution.....	25
Table IV. 5 Situsaaur Customer Distribution.....	25
Table IV. 6 Asia Afrika Customer Distribution.....	26
Table IV. 7 Cikutra Customer Distribution	27
Table IV. 8 Dayeuh Kolot Customer Distribution	28
Table IV. 9 Soreang Customer Distribution	29
Table IV. 10 Cimahi Customer Distribution.....	30
Table IV. 11 Cikereuh Customer Distribution.....	31
Table IV. 12 Padalarang Customer Distribution.....	32
Table IV. 13 Lembang Distribution Center	32
Table IV. 14 Majalaya Customer Distribution.....	33
Table IV. 15 Customer Demand	40
Table IV. 16 Average Demand Shipped by Driver per Day	40
Table IV. 17 Customer Unfulfilled Demand.....	41
Table IV. 18 Loss Cost	41
Table IV. 19 Comparison of Demand and Unfulfilled Demand.....	42
Table IV. 20 Loss Cost Selected Area	43
Table IV. 21 Average Demand per Village in Ujung Berung.....	43
Table IV. 22 Average Demand per Village in Dayeuh Kolot.....	44
Table IV. 23 Average Demand per Village in Soreang	45
Table IV. 24 Gravity Model of Ujung Berung Iteration 0	45
Table IV. 25 Result of Gravity Model of Ujung Berung Iteration 0.....	47
Table IV. 26 Gravity Model of Ujung Berung Iteration 1	47

Table IV. 27 Result of Gravity Model of Ujung Berung Iteration 1.....	49
Table IV. 28 Gravity Model of Ujung Berung Iteration 2	49
Table IV. 29 Result of Gravity Model of Ujung Berung Iteration 2.....	50
Table IV. 30 Final Result of Gravity Model of Ujung Berung.....	51
Table IV. 31 Ujung Berung Gravity Model Using Solver	51
Table IV. 32 Result of Gravity Model of Ujung Berung Using Solver	52
Table IV. 33 Final Result of Gravity Model of Dayeuh Kolot.....	53
Table IV. 34 Dayeuh Kolot Gravity Model Using Solver	53
Table IV. 35 Result of Gravity Model of Dayeuh Kolot Using Solver	54
Table IV. 36 Final Result of Gravity Model of Soreang.....	55
Table IV. 37 Soreang Gravity Model Using Solver.....	55
Table IV. 38 Result of Gravity Model of Soreang Using Solver.....	56
Table IV. 39 Facility's Potential Locations in Ujung Berung	57
Table IV. 40 Customer Locations of New Facility in Ujung Berung	57
Table IV. 41 Distance Matrix in KM From New Location to Customer Location in Ujung Berung	59
Table IV. 42 Cost Matrix From New Location to Customer Location in Ujung Berung	60
Table IV. 43 Total Cost Results of Each Candidate Facilities of Ujung Berung	60
Table IV. 44 Facility's Potential Location in Dayeuh Kolot.....	61
Table IV. 45 Customer Locations of New Facility in Dayeuh Kolot	61
Table IV. 46 Distance Matrix in KM From New Location to Customer Location in Dayeuh Kolot	63
Table IV. 47 Cost (Rp) Matrix From New Location to Customer Location in Dayeuh Kolot.....	63
Table IV. 48 Total Cost Results of Each Candidate Facilities of Dayeuh Kolot.....	64
Table IV. 49 Facility's Potential Location in Soreang	65
Table IV. 50 Customer Locations of New Facility in Soreang.....	65
Table IV. 51 Distance Matrix in KM From New Location to Customer Location in Soreang.....	67

Table IV. 52 Cost (Rp) Matrix From New Location to Customer Location in Soreang	67
Table IV. 53 Total Cost Results of Each Candidate Facilities of Soreang	68
Table IV. 54 Ujung Berung Demand History	69
Table IV. 55 Dayeuh Kolot Demand History	70
Table IV. 56 Soreang Demand History	72
Table IV. 57 Ujung Berung Sales Plan From Demand 2019	74
Table IV. 58 Dayeuh Kolot Sales Plan From Demand 2019	75
Table IV. 59 Soreang Sales Plan From Demand 2019	77
Table IV. 60 Number of Labor Ujung Berung.....	78
Table IV. 61 Basic Salary of Ujung Berung Labors	79
Table IV. 62 Bonus Salary of Ujung Berung Labors.....	79
Table IV. 63 Total Salary of Ujung Berung Labors	79
Table IV. 64 Number of Labor Dayeuh Kolot.....	80
Table IV. 65 Basic Salary of Dayeuh Kolot Labors	80
Table IV. 66 Bonus Salary of Dayeuh Kolot Labors	81
Table IV. 67 Total Salary of Dayeuh Kolot Labors.....	81
Table IV. 68 Number of Labor Soreang	81
Table IV. 69 Basic Salary of Soreang Labors.....	82
Table IV. 70 Bonus Salary of Soreang Labors	82
Table IV. 71 Total Salary of Soreang Labors	83
Table IV. 72 Tangible Assets.....	83
Table IV. 73 Total Tangible Assets Cost Ujung Berung	84
Table IV. 74 Total Tangible Assets Cost Ujung Berung 2024	85
Table IV. 75 Total Tangible Assets Cost Dayeuh Kolot	85
Table IV. 75 Total Tangible Assets Cost Dayeuh Kolot (Continued)	86
Table IV. 76 Total Tangible Assets Cost Dayeuh Kolot 2024	86
Table IV. 77 Total Tangible Assets Cost Soreang.....	87
Table IV. 78 Total Tangible Assets Cost Soreang 2024.....	88
Table IV. 79 Facility Depreciation Cost Ujung Berung	89

Table IV. 80 Facility Depreciation Cost Dayeuh Kolot.....	89
Table IV. 81 Facility Depreciation Cost Soreang	90
Table IV. 82 Transportation Cost of Ujung Berung	91
Table IV. 83 Transportation Cost of Dayeuh Kolot.....	91
Table IV. 84 Transportation Cost of Soreang	92
Table IV. 85 Ujung Berung Operational Cost	92
Table IV. 86 Dayeuh Kolot Operational Cost.....	93
Table IV. 87 Soreang Operational Cost	93
Table IV. 88 Ujung Berung Revenue Projection	94
Table IV. 89 Ujung Berung Operational Cost Projection	94
Table IV. 90 Ujung Berung Feasibility Study	95
Table IV. 91 Dayeuh Kolot Revenue Projection	96
Table IV. 92 Dayeuh Kolot Operational Cost Projection	97
Table IV. 93 Dayeuh Kolot Feasibility Study.....	98
Table IV. 94 Soreang Revenue Projection	99
Table IV. 95 Soreang Operational Cost Projection.....	99
Table IV. 96 Soreang Feasibility Study	100
Table V. 1 Final Result Gravity Model of Ujung Berung.....	101
Table V. 2 Final Result Gravity Model of Ujung Berung Using Solver.....	102
Table V. 3 Final Result Gravity Model of Dayeuh Kolot.....	102
Table V. 4 Final Result Gravity Model of Dayeuh Kolot Using Solver.....	103
Table V. 5 Final Result Gravity Model of Soreang	104
Table V. 6 Final Result Gravity Model of Soreang Using Solver	104
Table V. 7 Total Cost Results of Each Candidate Facilities of Ujung Berung.....	105
Table V. 8 Difference Transportation Cost Between New and Existing Facilities of Ujung Berung	106
Table V. 9 Total Cost Results of Each Candidate Facilities of Dayeuh Kolot	106
Table V. 10 Difference Transportation Cost Between New and Existing Facilities of Dayeuh Kolot	107
Table V. 11 Total Cost Results of Each Candidate Facilities of Soreang.....	108

Table V. 12 Difference Transportation Cost Between New and Existing Facilities of Soreang..... 109

Table V. 13 Comparison of Transportation Cost Difference..... 109

Table V. 14 Ujung Berung Feasibility Study..... 110

Table V. 15 Dayeuh Kolot Feasibility Study 111

Table V. 16 Soreang Feasibility Study 112