

Tabel L2 – 1  
Data Kapasitas dan Nilai Awal Bangunan

No	Kota	Kapasitas	Nilai Awal Bangunan
1	Medan	4000	1,680,000,000.00
2	Padang	3000	1,050,000,000.00
3	Jakarta	14000	7,350,000,000.00
4	Bandung	10000	4,200,000,000.00
5	DI Yogyakarta	3000	1,050,000,000.00
6	Surabaya	5500	2,310,000,000.00
7	Denpasar	4000	1,680,000,000.00
8	Kupang	3000	315,000,000.00
9	Palangkaraya	2000	630,000,000.00
10	Palu	3000	525,000,000.00
11	Ternate	3000	315,000,000.00
12	Ambon	3000	315,000,000.00
13	Jayapura	2000	140,000,000.00
	Total	59500	21,560,000,000.00
	Rata-rata	4576.923077	1,658,461,538.46

Tabel L2 – 2  
Perhitungan Depresiasi *Main Dealer* Medan

No	Jenis Bangunan / Barang Inventaris	Umur guna (N th)	Nilai Awal Bangunan	unit (#)	Total Harga Beli (P)	Nilai Sisa (S)	Perhitungan Depresiasi Bulanan	Perhitungan Depresiasi Bulanan/ #
1	Gudang Medan	31.5	1,680,000,000.00	1	1,680,000,000.00	53,333,333.33	4,303,350.97	1,075.838
2	Meja	7	560,000.00	2	1,120,000.00	160,000.00	11,428.57	2.857
3	Kursi Putar	7	376,000.00	2	752,000.00	107,428.57	7,673.47	1.918
4	Lemari Arsip	7	1,886,800.00	3	5,660,400.00	808,628.57	57,759.18	14.440
5	Komputer	5	3,000,000.00	1	3,000,000.00	600,000.00	40,000.00	10.000
6	Lampu	1	21,000.00	90	1,890,000.00	1,890,000.00	0.00	0.000
7	Pesawat Telephone	15	150,000.00	1	150,000.00	10,000.00	777.78	0.194
						Total	4,420,989.97	1,105.247

Tabel L2 – 3  
Perhitungan Depresiasi *Main Dealer* Padang

No	Jenis Bangunan / Barang Inventaris	Umur guna (N th)	Nilai Awal Bangunan	unit (#)	Total Harga Beli (P)	Nilai Sisa (S)	Perhitungan Depresiasi Bulanan	Perhitungan Depresiasi Bulanan/ #
1	Gudang Padang	31.5	1,050,000,000.00	1	1,050,000,000.00	33,333,333.33	2,689,594.36	896.531
2	Meja	7	560,000.00	2	1,120,000.00	160,000.00	11,428.57	3.810
3	Kursi Putar	7	376,000.00	2	752,000.00	107,428.57	7,673.47	2.558
4	Lemari Arsip	7	1,886,800.00	3	5,660,400.00	808,628.57	57,759.18	19.253
5	Komputer	5	3,000,000.00	1	3,000,000.00	600,000.00	40,000.00	13.333
6	Lampu	1	21,000.00	90	1,890,000.00	1,890,000.00	0.00	0.000
7	Pesawat Telephone	15	150,000.00	1	150,000.00	10,000.00	777.78	0.259
						Total	2,807,233.36	935.744

Tabel L2 – 4  
Perhitungan Depresiasi *Main Dealer* Jakarta

No	Jenis Bangunan / Barang Inventaris	Umur guna (N th)	Nilai Awal Bangunan	unit (#)	Total Harga Beli (P)	Nilai Sisa (S)	Perhitungan Depresiasi Bulanan	Perhitungan Depresiasi Bulanan/ #
1	Gudang Jakarta	31.5	7,350,000,000.00	1	7,350,000,000.00	233,333,333.33	18,827,160.49	1,344.797
2	Meja	7	560,000.00	2	1,120,000.00	160,000.00	11,428.57	0.816
3	Kursi Putar	7	376,000.00	2	752,000.00	107,428.57	7,673.47	0.548
4	Lemari Arsip	7	1,886,800.00	3	5,660,400.00	808,628.57	57,759.18	4.126
5	Komputer	5	3,000,000.00	1	3,000,000.00	600,000.00	40,000.00	2.857
6	Lampu	1	21,000.00	90	1,890,000.00	1,890,000.00	0.00	0.000
7	Pesawat Telephone	15	150,000.00	1	150,000.00	10,000.00	777.78	0.056
						Total	18,944,799.50	1,353.200

Tabel L2 – 5  
Perhitungan Depresiasi *Main Dealer* Bandung

No	Jenis Bangunan / Barang Inventaris	Umur guna (N th)	Nilai Awal Bangunan	unit (#)	Total Harga Beli (P)	Nilai Sisa (S)	Perhitungan Depresiasi Bulanan	Perhitungan Depresiasi Bulanan/ #
1	Gudang Bandung	31.5	4,200,000,000.00	1	4,200,000,000.00	133,333,333.33	10,758,377.43	1,075.838
2	Meja	7	560,000.00	2	1,120,000.00	160,000.00	11,428.57	1.143
3	Kursi Putar	7	376,000.00	2	752,000.00	107,428.57	7,673.47	0.767
4	Lemari Arsip	7	1,886,800.00	3	5,660,400.00	808,628.57	57,759.18	5.776
5	Komputer	5	3,000,000.00	1	3,000,000.00	600,000.00	40,000.00	4.000
6	Lampu	1	21,000.00	90	1,890,000.00	1,890,000.00	0.00	0.000
7	Pesawat Telephone	15	150,000.00	1	150,000.00	10,000.00	777.78	0.078
						Total	10,876,016.43	1,087.602

Tabel L2 – 6  
Perhitungan Depresiasi *Main Dealer* Yogyakarta

No	Jenis Bangunan / Barang Inventaris	Umur guna (N th)	Nilai Awal Bangunan	unit (#)	Total Harga Beli (P)	Nilai Sisa (S)	Perhitungan Depresiasi Bulanan	Perhitungan Depresiasi Bulanan/ #
1	Gudang Yogyakarta	31.5	1,050,000,000.00	1	1,050,000,000. 00	33,333,333.33	2,689,594.36	896.531
2	Meja	7	560,000.00	2	1,120,000.00	160,000.00	11,428.57	3.810
3	Kursi Putar	7	376,000.00	2	752,000.00	107,428.57	7,673.47	2.558
4	Lemari Arsip	7	1,886,800.00	3	5,660,400.00	808,628.57	57,759.18	19.253
5	Komputer	5	3,000,000.00	1	3,000,000.00	600,000.00	40,000.00	13.333
6	Lampu	1	21,000.00	90	1,890,000.00	1,890,000.00	0.00	0.000
7	Pesawat Telephone	15	150,000.00	1	150,000.00	10,000.00	777.78	0.259
						Total	2,807,233.36	935.744

Tabel L2 – 7  
Perhitungan Depresiasi *Main Dealer* Surabaya

No	Jenis Bangunan / Barang Inventaris	Umur guna (N th)	Nilai Awal Bangunan	unit (#)	Total Harga Beli (P)	Nilai Sisa (S)	Perhitungan Depresiasi Bulanan	Perhitungan Depresiasi Bulanan/ #
1	Gudang Surabaya	31.5	2,310,000,000.00	1	2,310,000,000.00	73,333,333.33	5,917,107.58	1,075.838
2	Meja	7	560,000.00	2	1,120,000.00	160,000.00	11,428.57	2.078
3	Kursi Putar	7	376,000.00	2	752,000.00	107,428.57	7,673.47	1.395
4	Lemari Arsip	7	1,886,800.00	3	5,660,400.00	808,628.57	57,759.18	10.502
5	Komputer	5	3,000,000.00	1	3,000,000.00	600,000.00	40,000.00	7.273
6	Lampu	1	21,000.00	90	1,890,000.00	1,890,000.00	0.00	0.000
7	Pesawat Telephone	15	150,000.00	1	150,000.00	10,000.00	777.78	0.141
						Total	6,034,746.59	1,097.227

Tabel L2 – 8  
Perhitungan Depresiasi *Main Dealer* Denpasar

No	Jenis Bangunan / Barang Inventaris	Umur guna (N <sup>th</sup> )	Nilai Awal Bangunan	unit (#)	Total Harga Beli (P)	Nilai Sisa (S)	Perhitungan Depresiasi Bulanan	Perhitungan Depresiasi Bulanan/ #
1	Gudang Denpasar	31.5	1,680,000,000.00	1	1,680,000,000.00	53,333,333.33	4,303,350.97	1,075.838
2	Meja	7	560,000.00	2	1,120,000.00	160,000.00	11,428.57	2.857
3	Kursi Putar	7	376,000.00	2	752,000.00	107,428.57	7,673.47	1.918
4	Lemari Arsip	7	1,886,800.00	3	5,660,400.00	808,628.57	57,759.18	14.440
5	Komputer	5	3,000,000.00	1	3,000,000.00	600,000.00	40,000.00	10.000
6	Lampu	1	21,000.00	90	1,890,000.00	1,890,000.00	0.00	0.000
7	Pesawat Telephone	15	150,000.00	1	150,000.00	10,000.00	777.78	0.194
						Total	4,420,989.97	1,105.247



Tabel L2 – 9  
Perhitungan Depresiasi *Main Dealer* Kupang

No	Jenis Bangunan / Barang Inventaris	Umur guna (N th)	Nilai Awal Bangunan	unit (#)	Total Harga Beli (P)	Nilai Sisa (S)	Perhitungan Depresiasi Bulanan	Perhitungan Depresiasi Bulanan/ #
1	Gudang Kupang	31.5	315,000,000.00	1	315,000,000.00	10,000,000.00	806,878.31	268.959
2	Meja	7	560,000.00	2	1,120,000.00	160,000.00	11,428.57	3.810
3	Kursi Putar	7	376,000.00	2	752,000.00	107,428.57	7,673.47	2.558
4	Lemari Arsip	7	1,886,800.00	3	5,660,400.00	808,628.57	57,759.18	19.253
5	Komputer	5	3,000,000.00	1	3,000,000.00	600,000.00	40,000.00	13.333
6	Lampu	1	21,000.00	90	1,890,000.00	1,890,000.00	0.00	0.000
7	Pesawat Telephone	15	150,000.00	1	150,000.00	10,000.00	777.78	0.259
						Total	924,517.31	308.172

Tabel L2 – 10  
Perhitungan Depresiasi *Main Dealer* Palangkaraya

No	Jenis Bangunan / Barang Inventaris	Umur guna (N th)	Nilai Awal Bangunan	unit (#)	Total Harga Beli (P)	Nilai Sisa (S)	Perhitungan Depresiasi Bulanan	Perhitungan Depresiasi Bulanan/ #
1	Gudang Palangkaraya	31.5	630,000,000.00	1	630,000,000.00	20,000,000.00	1,613,756.61	806.878
2	Meja	7	560,000.00	2	1,120,000.00	160,000.00	11,428.57	5.714
3	Kursi Putar	7	376,000.00	2	752,000.00	107,428.57	7,673.47	3.837
4	Lemari Arsip	7	1,886,800.00	3	5,660,400.00	808,628.57	57,759.18	28.880
5	Komputer	5	3,000,000.00	1	3,000,000.00	600,000.00	40,000.00	20.000
6	Lampu	1	21,000.00	90	1,890,000.00	1,890,000.00	0.00	0.000
7	Pesawat Telephone	15	150,000.00	1	150,000.00	10,000.00	777.78	0.389
Total							1,731,395.62	865.698

Tabel L2 – 11  
Perhitungan Depresiasi *Main Dealer* Palu

No	Jenis Bangunan / Barang Inventaris	Umur guna (N <sup>th</sup> )	Nilai Awal Bangunan	unit (#)	Total Harga Beli (P)	Nilai Sisa (S)	Perhitungan Depresiasi Bulanan	Perhitungan Depresiasi Bulanan/ #
1	Gudang Palu	31.5	525,000,000.00	1	525,000,000.00	16,666,666.67	1,344,797.18	448.266
2	Meja	7	560,000.00	2	1,120,000.00	160,000.00	11,428.57	3.810
3	Kursi Putar	7	376,000.00	2	752,000.00	107,428.57	7,673.47	2.558
4	Lemari Arsip	7	1,886,800.00	3	5,660,400.00	808,628.57	57,759.18	19.253
5	Komputer	5	3,000,000.00	1	3,000,000.00	600,000.00	40,000.00	13.333
6	Lampu	1	21,000.00	90	1,890,000.00	1,890,000.00	0.00	0.000
7	Pesawat Telephone	15	150,000.00	1	150,000.00	10,000.00	777.78	0.259
						Total	1,462,436.18	487.479

Tabel L2 – 12  
Perhitungan Depresiasi *Main Dealer* Ternate

No	Jenis Bangunan / Barang Inventaris	Umur guna (N <sup>th</sup> )	Nilai Awal Bangunan	unit (#)	Total Harga Beli (P)	Nilai Sisa (S)	Perhitungan Depresiasi Bulanan	Perhitungan Depresiasi Bulanan/ #
1	Gudang Ternate	31.5	315,000,000.00	1	315,000,000.00	10,000,000.00	806,878.31	268.959
2	Meja	7	560,000.00	2	1,120,000.00	160,000.00	11,428.57	3.810
3	Kursi Putar	7	376,000.00	2	752,000.00	107,428.57	7,673.47	2.558
4	Lemari Arsip	7	1,886,800.00	3	5,660,400.00	808,628.57	57,759.18	19.253
5	Komputer	5	3,000,000.00	1	3,000,000.00	600,000.00	40,000.00	13.333
6	Lampu	1	21,000.00	90	1,890,000.00	1,890,000.00	0.00	0.000
7	Pesawat Telephone	15	150,000.00	1	150,000.00	10,000.00	777.78	0.259
						Total	924,517.31	308.172

Tabel L2 – 13  
Perhitungan Depresiasi *Main Dealer* Ambon

No	Jenis Bangunan / Barang Inventaris	Umur guna (N <sup>th</sup> )	Nilai Awal Bangunan	unit (#)	Total Harga Beli (P)	Nilai Sisa (S)	Perhitungan Depresiasi Bulanan	Perhitungan Depresiasi Bulanan/ #
1	Gudang Ambon	31.5	315,000,000.00	1	315,000,000.00	10,000,000.00	806,878.31	268.959
2	Meja	7	560,000.00	2	1,120,000.00	160,000.00	11,428.57	3.810
3	Kursi Putar	7	376,000.00	2	752,000.00	107,428.57	7,673.47	2.558
4	Lemari Arsip	7	1,886,800.00	3	5,660,400.00	808,628.57	57,759.18	19.253
5	Komputer	5	3,000,000.00	1	3,000,000.00	600,000.00	40,000.00	13.333
6	Lampu	1	21,000.00	90	1,890,000.00	1,890,000.00	0.00	0.000
7	Pesawat Telephone	15	150,000.00	1	150,000.00	10,000.00	777.78	0.259
						Total	924,517.31	308.172

Tabel L2 – 14  
Perhitungan Depresiasi *Main Dealer* Jayapura

No	Jenis Bangunan / Barang Inventaris	Umur guna (N th)	Nilai Awal Bangunan	unit (#)	Total Harga Beli (P)	Nilai Sisa (S)	Perhitungan Depresiasi Bulanan	Perhitungan Depresiasi Bulanan/ #
1	Gudang Jayapura	31.5	140,000,000.00	1	140,000,000.00	4,444,444.44	358,612.58	179.306
2	Meja	7	560,000.00	2	1,120,000.00	160,000.00	11,428.57	5.714
3	Kursi Putar	7	376,000.00	2	752,000.00	107,428.57	7,673.47	3.837
4	Lemari Arsip	7	1,886,800.00	3	5,660,400.00	808,628.57	57,759.18	28.880
5	Komputer	5	3,000,000.00	1	3,000,000.00	600,000.00	40,000.00	20.000
6	Lampu	1	21,000.00	90	1,890,000.00	1,890,000.00	0.00	0.000
7	Pesawat Telephone	15	150,000.00	1	150,000.00	10,000.00	777.78	0.389
Total							476,251.58	238.126

Tabel L2 – 15  
Perhitungan Biaya Tenaga Kerja Satpam yang Dibebankan

No	Kota	Kapasitas	Jumlah Satpam	Biaya Tenaga Kerja (Rp)	Biaya Tenaga Kerja/#/bln (Rp)
1	Medan	4000	6	9,750,000.00	2437.5
2	Padang	3000	6	9,750,000.00	3250
3	Jakarta	14000	12	19,500,000.00	1392.857143
4	Bandung	10000	12	19,500,000.00	1950
5	DI Yogyakarta	3000	6	9,750,000.00	3250
6	Surabaya	5500	6	9,750,000.00	1772.727273
7	Denpasar	4000	6	9,750,000.00	2437.5
8	Kupang	3000	6	9,750,000.00	3250
9	Palangkaraya	2000	6	9,750,000.00	4875
10	Palu	3000	6	9,750,000.00	3250
11	Ternate	3000	6	9,750,000.00	3250
12	Ambon	3000	6	9,750,000.00	3250
13	Jayapura	2000	6	9,750,000.00	4875
	Total	59500		146,250,000.00	39240.58442
	Rata-rata	4576.923077		11,250,000.00	3018.506494

Tabel L2 – 16  
Perhitungan Pajak Bumi dan Bangunan Per Unit Motor

No	Kota	Kapasitas	PBB (Rp/th)	Beban PBB/#/th (Rp)	Beban PBB/#/bln (Rp)
1	Medan	4000	270,000.00	67.5	5.625
2	Padang	3000	120,000.00	40	3.33
3	Jakarta	14000	4,000,000.00	285.71	23.81
4	Bandung	10000	1,700,000.00	170	14.17
5	DI Yogyakarta	3000	120,000.00	40	3.33
6	Surabaya	5500	500,000.00	90.91	7.58
7	Denpasar	4000	250,000.00	62.5	5.21
8	Kupang	3000	40,000.00	13.33	1.11
9	Palangkaraya	2000	50,000.00	25	2.08
10	Palu	3000	60,000.00	20	1.67
11	Ternate	3000	40,000.00	13.33	1.11
12	Ambon	3000	40,000.00	13.33	1.11
13	Jayapura	2000	20,000.00	10	0.83
	Total	59500			
	Rata-rata	4576.923077			

**Tabel L2 – 17**  
**Perhitungan Biaya Listrik Per Unit Motor**

No	Kota	Kapasitas	Biaya Listrik/bln (Rp)	Biaya Listrik/#/ Bulan (Rp)
1	Medan	4000	2,000,000.00	500
2	Padang	3000	1,500,000.00	500
3	Jakarta	14000	7,000,000.00	500
4	Bandung	10000	5,000,000.00	500
5	DI Yogyakarta	3000	1,500,000.00	500
6	Surabaya	5500	2,750,000.00	500
7	Denpasar	4000	2,000,000.00	500
8	Kupang	3000	1,500,000.00	500
9	Palangkaraya	2000	1,000,000.00	500
10	Palu	3000	1,500,000.00	500
11	Ternate	3000	1,500,000.00	500
12	Ambon	3000	1,500,000.00	500
13	Jayapura	2000	1,000,000.00	500
	Total	59500	29750000	
	Rata-rata	4576.9231	2288461.538	

**Tabel L2 – 18**  
**Rangkuman Komponen Biaya Penyimpanan Medan**

No	Kategori	Biaya Penyimpanan/#/ bulan (Rp)	Biaya Penyimpanan/#/2 minggu (Rp)	Biaya Penyimpanan/#/ minggu (Rp)
1	Penumpukan Modal	12.50	6.25	3.13
2	Depresiasi R. Penyimpanan	1,105.25	552.62	276.31
3	Asuransi	4.17	2.08	1.04
4	Tenaga Kerja	2,437.50	1,218.75	609.38
5	PBB	5.63	2.81	1.41
6	Biaya Pemakaian Listrik	500.00	250.00	125.00
	Total	4,065.04	2,032.52	1,016.26

**Tabel L2 – 19**  
**Rangkuman Komponen Biaya Penyimpanan Padang**

No	Kategori	Biaya Penyimpanan/bln (Rp)	Biaya Penyimpanan/2 minggu (Rp)	Biaya Penyimpanan/minggu (Rp)
1	Penumpukan Modal	16.67	8.33	4.17
2	Depresiasi R. Penyimpanan	935.74	467.87	233.94
3	Asuransi	5.56	2.78	1.39
4	Tenaga Kerja	3,250.00	1,625.00	812.50
5	PBB	3.33	1.67	0.83
6	Biaya Pemakaian Listrik	500.00	250.00	125.00
	Total	4,711.30	2,355.65	1,177.83



Tabel L2 – 20  
Rangkuman Komponen Biaya Penyimpanan Jakarta

No	Kategori	Biaya Penyimpanan/bln (Rp)	Biaya Penyimpanan/2 minggu (Rp)	Biaya Penyimpanan/minggu (Rp)
1	Penumpukan Modal	3.57	1.79	0.89
2	Depresiasi R. Penyimpanan	1,353.20	676.60	338.30
3	Asuransi	1.19	0.60	0.30
4	Tenaga Kerja	1,392.86	696.43	348.21
5	PBB	23.81	11.90	5.95
6	Biaya Pemakaian Listrik	500.00	250.00	125.00
	Total	3,274.63	1,637.31	818.66

Tabel L2 – 21  
Rangkuman Komponen Biaya Penyimpanan Bandung

No	Kategori	Biaya Penyimpanan/bln (Rp)	Biaya Penyimpanan/2 minggu (Rp)	Biaya Penyimpanan/minggu (Rp)
1	Penumpukan Modal	5.00	2.50	1.25
2	Depresiasi R. Penyimpanan	1,087.60	543.80	271.90
3	Asuransi	1.67	0.83	0.42
4	Tenaga Kerja	1,950.00	975.00	487.50
5	PBB	14.17	7.08	3.54
6	Biaya Pemakaian Listrik	500.00	250.00	125.00
	Total	3,558.43	1,779.22	889.61

Tabel L2 – 22  
Rangkuman Komponen Biaya Penyimpanan DI Yogyakarta

No	Kategori	Biaya Penyimpanan/bln (Rp)	Biaya Penyimpanan/2 minggu (Rp)	Biaya Penyimpanan/minggu (Rp)
1	Penumpukan Modal	16.67	8.33	4.17
2	Depresiasi R. Penyimpanan	935.74	467.87	233.94
3	Asuransi	5.56	2.78	1.39
4	Tenaga Kerja	3,250.00	1,625.00	812.50
5	PBB	3.33	1.67	0.83
6	Biaya Pemakaian Listrik	500.00	250.00	125.00
	Total	4,711.30	2,355.65	1,177.83

Tabel L2 – 23  
Rangkuman Komponen Biaya Penyimpanan Surabaya

No	Kategori	Biaya Penyimpanan/bln (Rp)	Biaya Penyimpanan/2 minggu (Rp)	Biaya Penyimpanan/minggu (Rp)
1	Penumpukan Modal	9.09	4.55	2.27
2	Depresiasi R. Penyimpanan	1,097.23	548.61	274.31
3	Asuransi	3.03	1.52	0.76
4	Tenaga Kerja	1,772.73	886.36	443.18
5	PBB	7.58	3.79	1.89
6	Biaya Pemakaian Listrik	500.00	250.00	125.00
	Total	3,389.65	1,694.83	847.41

Tabel L2 – 24  
Rangkuman Komponen Biaya Penyimpanan Denpasar

No	Kategori	Biaya Penyimpanan/bln (Rp)	Biaya Penyimpanan/2 minggu (Rp)	Biaya Penyimpanan/minggu (Rp)
1	Penumpukan Modal	12.50	6.25	3.13
2	Depresiasi R. Penyimpanan	1,105.25	552.62	276.31
3	Asuransi	4.17	2.08	1.04
4	Tenaga Kerja	2,437.50	1,218.75	609.38
5	PBB	5.21	2.60	1.30
6	Biaya Pemakaian Listrik	500.00	250.00	125.00
	Total	4,064.62	2,032.31	1,016.16

Tabel L2 – 25  
Rangkuman Komponen Biaya Penyimpanan Kupang

No	Kategori	Biaya Penyimpanan/bln (Rp)	Biaya Penyimpanan/2 minggu (Rp)	Biaya Penyimpanan/minggu (Rp)
1	Penumpukan Modal	16.67	8.33	4.17
2	Depresiasi R. Penyimpanan	308.17	154.09	77.04
3	Asuransi	5.56	2.78	1.39
4	Tenaga Kerja	3,250.00	1,625.00	812.50
5	PBB	1.11	0.56	0.28
6	Biaya Pemakaian Listrik	500.00	250.00	125.00
	Total	4,081.51	2,040.75	1,020.38

Tabel L2 – 26  
Rangkuman Komponen Biaya Penyimpanan Palangkaraya

No	Kategori	Biaya Penyimpanan/bln (Rp)	Biaya Penyimpanan/2 minggu (Rp)	Biaya Penyimpanan/minggu (Rp)
1	Penumpukan Modal	25.00	12.50	6.25
2	Depresiasi R. Penyimpanan	865.70	432.85	216.42
3	Asuransi	8.33	4.17	2.08
4	Tenaga Kerja	4,875.00	2,437.50	1,218.75
5	PBB	2.08	1.04	0.52
6	Biaya Pemakaian Listrik	500.00	250.00	125.00
	Total	6,276.11	3,138.06	1,569.03

Tabel L2 – 27  
Rangkuman Komponen Biaya Penyimpanan Palu

No	Kategori	Biaya Penyimpanan/bln (Rp)	Biaya Penyimpanan/2 minggu (Rp)	Biaya Penyimpanan/minggu (Rp)
1	Penumpukan Modal	16.67	8.33	4.17
2	Depresiasi R. Penyimpanan	487.48	243.74	121.87
3	Asuransi	5.56	2.78	1.39
4	Tenaga Kerja	3,250.00	1,625.00	812.50
5	PBB	1.67	0.83	0.42
6	Biaya Pemakaian Listrik	500.00	250.00	125.00
	Total	4,261.37	2,130.68	1,065.34

Tabel L2 – 28  
Rangkuman Komponen Biaya Penyimpanan Ternate

No	Kategori	Biaya Penyimpanan/bln (Rp)	Biaya Penyimpanan/2 minggu (Rp)	Biaya Penyimpanan/minggu (Rp)
1	Penumpukan Modal	16.67	8.33	4.17
2	Depresiasi R. Penyimpanan	308.17	154.09	77.04
3	Asuransi	5.56	2.78	1.39
4	Tenaga Kerja	3,250.00	1,625.00	812.50
5	PBB	1.11	0.56	0.28
6	Biaya Pemakaian Listrik	500.00	250.00	125.00
	Total	4,081.51	2,040.75	1,020.38

Tabel L2 – 29  
Rangkuman Komponen Biaya Penyimpanan Ambon

No	Kategori	Biaya Penyimpanan/bln (Rp)	Biaya Penyimpanan/2 minggu (Rp)	Biaya Penyimpanan/minggu (Rp)
1	Penumpukan Modal	16.67	8.33	4.17
2	Depresiasi R. Penyimpanan	308.17	154.09	77.04
3	Asuransi	5.56	2.78	1.39
4	Tenaga Kerja	3,250.00	1,625.00	812.50
5	PBB	1.11	0.56	0.28
6	Biaya Pemakaian Listrik	500.00	250.00	125.00
	Total	4,081.51	2,040.75	1,020.38

Tabel L2 – 30  
Rangkuman Komponen Biaya Penyimpanan Jayapura

No	Kategori	Biaya Penyimpanan/bln (Rp)	Biaya Penyimpanan/2 minggu (Rp)	Biaya Penyimpanan/minggu (Rp)
1	Penumpukan Modal	25.00	12.50	6.25
2	Depresiasi R. Penyimpanan	238.13	119.06	59.53
3	Asuransi	8.33	4.17	2.08
4	Tenaga Kerja	4,875.00	2,437.50	1,218.75
5	PBB	0.83	0.42	0.21
6	Biaya Pemakaian Listrik	500.00	250.00	125.00
	Total	5,647.29	2,823.65	1,411.82

Tabel L2 – 31  
Total Biaya Simpan untuk Masing-masing *Main Dealer*

No	Kota	Biaya Simpan/unit/bulan (Rp)
1	Medan	1,016.26
2	Padang	1,177.83
3	Jakarta	818.66
4	Bandung	889.61
5	DI Yogyakarta	1,177.83
6	Surabaya	847.41
7	Denpasar	1,016.16
8	Kupang	1,020.38
9	Palangkaraya	1,569.03
10	Palu	1,065.34
11	Ternate	1,020.38
12	Ambon	1,020.38
13	Jayapura	1,411.82

Tabel L2 – 32  
Biaya Pengiriman Per Truk

No	Tujuan Pengiriman	Biaya Pengiriman /# (Rp)	B Pengiriman / truk (Rp)
1	Medan	525,000.00	44,100,000.00
2	Padang	350,000.00	29,400,000.00
3	Jakarta	50,000.00	4,200,000.00
4	Bandung	100,000.00	8,400,000.00
5	DI Yogyakarta	150,000.00	12,600,000.00
6	Surabaya	200,000.00	16,800,000.00
7	Denpasar	300,000.00	25,200,000.00
8	Dili	650,000.00	54,600,000.00
9	Palangkaraya	450,000.00	37,800,000.00
10	Palu	475,000.00	39,900,000.00
11	Ternate	650,000.00	54,600,000.00
12	Ambon	625,000.00	52,500,000.00
13	Jayapura	800,000.00	67,200,000.00

Tabel L2 – 33  
Perhitungan *Welch Moving Average* Main Dealer Medan

Periode	<i>Average Stock</i> Per Periode Medan	<i>Welch</i> <i>Moving</i> <i>Average</i>
1	0	0.000
2	0	0.000
3	0	261.390
4	113.73	5970.460
5	1193.22	938.529
6	2578.71	1086.500
7	2084.8	1374.197
8	1273.74	1562.999
9	1202.56	1260.270
10	1372.97	1166.777
11	2131.77	1191.486
12	2803.12	1190.621
13	3109.94	1234.237
14	2454.43	1300.994
15	1105.6	
16	744.17	
17	583.2	
18	1176.79	
19	3407.41	
20	3353.19	

Tabel L2 – 34  
Perhitungan Welch *Moving Average Main Dealer Padang*

Periode	<i>Average Stock Per Periode Padang</i>	<i>Welch Moving Average</i>
1	0	0.000
2	0	0.000
3	0	55.758
4	0.53	2658.530
5	278.26	460.082
6	1107.95	427.188
7	1271.79	402.347
8	917.41	439.724
9	564.8	370.389
10	336.23	362.246
11	222.1	391.265
12	185.36	402.042
13	346.08	366.283
14	485.9	314.327
15	580.2	
16	586.07	
17	551.88	
18	483.03	
19	428.52	
20	284.63	

Tabel L2 – 35  
Perhitungan Welch *Moving Average Main Dealer Jakarta*

Periode	<i>Average Stock Per Periode Jakarta</i>	<i>Welch Moving Average</i>
1	0	0.000
2	0	0.000
3	0	470.210
4	103.94	12558.970
5	2247.11	1948.987
6	5704.92	1923.399
7	4503	2436.128
8	2964.18	2830.236
9	2017.73	2363.925
10	1506.02	2261.323
11	2110.49	2339.353
12	4306.93	2278.264
13	6205.35	2076.507
14	5123.4	2036.581
15	3393.66	
16	2778.41	
17	1586.5	
18	1086.43	
19	1871.54	
20	3744.39	

Tabel L2 – 36  
Perhitungan Welch *Moving Average Main Dealer Bandung*

Periode	<i>Average Stock Per Periode Bandung</i>	<i>Welch Moving Average</i>
1	0	0.000
2	0	0.000
3	0	398.962
4	32.56	10005.260
5	1962.25	1409.906
6	4629.06	1288.872
7	3381.39	1858.559
8	1961.93	2267.852
9	721.96	1932.542
10	751.2	1858.835
11	737.24	1947.058
12	3606.14	1918.558
13	6377.54	1800.021
14	5320.8	1847.137
15	3371.14	
16	2464.65	
17	1708.8	
18	1420.76	
19	2376.85	
20	4276.6	

Tabel L2 – 37  
Perhitungan Welch *Moving Average Main Dealer Surabaya*

Periode	<i>Average Stock Per Periode Surabaya</i>	<i>Welch Moving Average</i>
1	0	0.000
2	0	0.000
3	0	746.914
4	302.88	18181.780
5	3431.69	2554.759
6	8408.11	2663.023
7	6039.1	3090.043
8	2751.05	3612.272
9	2060	2969.661
10	2566.9	2775.833
11	3733.52	2941.224
12	4652.5	2979.902
13	6224.81	2789.302
14	6788.98	2810.728
15	3524.7	
16	2256.58	
17	3445.31	
18	4166.57	
19	4786.71	
20	6446.21	

Tabel L2 – 38  
Perhitungan Welch *Moving Average Main Dealer* DI Yogyakarta

Periode	<i>Average Stock Per Periode</i> Yogya	<i>Welch Moving Average</i>
1	0	0.000
2	0	0.000
3	0	269.116
4	80.67	5567.080
5	1264.91	800.207
6	2369.36	735.498
7	1852.14	793.099
8	1137.69	909.175
9	497.09	757.596
10	409.44	716.376
11	479.18	744.097
12	1006.11	715.071
13	1213.7	621.342
14	1508.98	581.778
15	1059.87	
16	732	
17	607.38	
18	713.41	
19	588.5	
20	1100.43	

Tabel L2 – 39  
Perhitungan Welch *Moving Average Main Dealer* Denpasar

Periode	<i>Average Stock Per Periode</i> Denpasar	<i>Welch Moving Average</i>
1	0	0.000
2	0	0.000
3	0	115.230
4	8.97	3506.610
5	567.18	537.391
6	1607.73	515.984
7	1322.73	652.848
8	789.82	748.626
9	540.09	623.547
10	433.43	592.345
11	405.87	613.783
12	1235.18	608.339
13	1576.02	577.487
14	1245.12	588.065
15	868.16	
16	654.26	
17	416.28	
18	463.76	
19	1021.54	
20	1523.7	



Tabel L2 – 40  
Perhitungan Welch *Moving Average* Main Dealer Kupang

Periode	<i>Average Stock Per Periode Kupang</i>	<i>Welch Moving Average</i>
1	0	0.000
2	0	0.000
3	0	21.374
4	0	955.690
5	106.87	206.588
6	387.46	251.172
7	461.36	275.184
8	451.8	316.643
9	451.8	280.607
10	451.8	286.958
11	451.8	322.590
12	429.77	352.597
13	384.73	367.836
14	538.97	378.009
15	653.96	
16	681.89	
17	677	
18	677	
19	677	
20	654.66	

Tabel L2 – 41  
Perhitungan Welch *Moving Average* Main Dealer Palangkaraya

Periode	<i>Average Stock Per Periode Palangkaraya</i>	<i>Welch Moving Average</i>
1	0	0.000
2	0	0.000
3	0	7.116
4	0	906.340
5	35.58	211.460
6	361.63	263.631
7	509.13	298.351
8	498.4	335.917
9	498.4	279.499
10	498.4	269.116
11	498.4	290.320
12	498.4	309.384
13	480.22	311.288
14	488.36	305.298
15	384.56	
16	361.72	
17	402.88	
18	397.8	
19	397.8	
20	395.33	

Tabel L2 – 42  
Perhitungan Welch *Moving Average* Main Dealer Palu

Periode	Average Stock Per Periode Palu	Welch Moving Average
1	0	0.000
2	0	0.000
3	0	32.954
4	0	1642.040
5	164.77	356.138
6	672.1	433.495
7	805.17	476.564
8	781.6	538.098
9	781.6	460.417
10	781.6	462.468
11	781.6	512.832
12	749.93	554.328
13	676.96	569.123
14	799.95	578.254
15	831.81	
16	959.8	
17	956.91	
18	953.2	
19	953.2	
20	978.66	

Tabel L2 – 43  
Perhitungan Welch *Moving Average* Main Dealer Ternate

Periode	Average Stock Per Periode Ternate	Welch Moving Average
1	0	0.000
2	0	0.000
3	0	1.074
4	0	612.480
5	5.37	159.076
6	203.67	204.625
7	403.44	234.608
8	409.6	261.682
9	409.6	225.153
10	409.6	218.166
11	409.6	235.480
12	409.6	254.419
13	389.42	262.626
14	351.96	263.361
15	425.74	
16	317.55	
17	328.97	
18	365.22	
19	359.6	
20	417.39	

Tabel L2 – 44  
Perhitungan Welch *Moving Average Main Dealer Ambon*

Periode	<i>Average Stock Per Periode Ambon</i>	<i>Welch Moving Average</i>
1	0	0.000
2	0	0.000
3	0	0.000
4	0	308.890
5	0	105.327
6	59.68	144.576
7	249.21	171.749
8	317.85	196.457
9	321.2	169.126
10	321.2	166.498
11	321.2	177.996
12	321.2	192.278
13	321.2	203.296
14	321.2	203.233
15	321.2	
16	288.32	
17	218.46	
18	271.37	
19	269.02	
20	248	

Tabel L2 – 45  
Perhitungan Welch *Moving Average Main Dealer Jayapura*

Periode	<i>Average Stock Per Periode Jayapura</i>	<i>Welch Moving Average</i>
1	0	0.000
2	0	0.000
3	0	14.998
4	0	1809.360
5	74.99	417.529
6	705.19	518.742
7	1029.18	586.527
8	974.2	657.155
9	974.2	573.201
10	974.2	593.897
11	974.2	677.508
12	974.2	757.698
13	944.49	804.720
14	918.16	832.588
15	1201.41	
16	1539.63	
17	1588.61	
18	1598.6	
19	1598.6	
20	1558.67	

Tabel L2 – 46  
Rangkuman Perhitungan Nilai *Bullwhip Effect* Hasil Simulasi dengan Rumus  
yang Digunakan oleh Perusahaan Saat Ini

TRIAL	<i>Bullwhip Effect</i>	TRIAL	<i>Bullwhip Effect</i>	TRIAL	<i>Bullwhip Effect</i>
LT 5 BS 1 PP 5	3.84	LT 10 BS 1 PP 5	7.58	LT 20 BS 1 PP 5	11.94
LT 5 BS 1 PP 10	1.43	LT 10 BS 1 PP 10	7.43	LT 20 BS 1 PP 10	67.00
LT 5 BS 2 PP 5	3.57	LT 10 BS 2 PP 5	4.60	LT 20 BS 2 PP 5	5.95
<b>LT 5 BS 2 PP 10</b>	<b>1.42</b>	LT 10 BS 2 PP 10	4.10	LT 20 BS 2 PP 10	67.98
LT 5 BS 3 PP 5	2.89	LT 10 BS 3 PP 5	4.80	LT 20 BS 3 PP 5	3.59
LT 5 BS 3 PP 10	1.47	LT 10 BS 3 PP 10	2.00	LT 20 BS 3 PP 10	41.31

Keterangan :

LT = *Lead Time* (hari)

BS = *Buffer Stock* (hari)

PP = Periode Pemesanan (hari)

Tabel L2 – 47  
Perhitungan *Bullwhip Effect* Hasil Simulasi

No	Total Pemesanan dari MD ke Pabrik (Q)	Total Pemesanan dari dealer ke MD (D)
1	4152	17220
2	5399	17754
3	12896	14677
4	25593	13844
5	35331	15446
6	33314	10329
7	24031	17115
8	10697	16298
9	7632	16371
10	5473	16029
11	4508	17183
12	7061	16041
13	11804	15960
14	20975	14977
15	26536	15666
16	28237	15589
17	24904	13765
18	19816	15518
19	12858	14684
20	8969	16052
21	5896	15763
VAR	103,582,991.7	2,507,562.9
Nilai BE	Var Q / VarD	41.31

Tabel L2 – 48  
Tabel Persediaan Hasil Simulasi Sesuai Rumus yang Digunakan di Perusahaan

TRIAL	Ambon	Bandung	Denpasar	Kupang	Jayapura	Jakarta	Medan	Padang	Palangkaraya	Palu	Surabaya	Ternate	DI Yogyakarta	Total
LT 5 BS 1 PP 5	71.73	1577.96	741.14	258.87	718.72	1604.56	1351.42	303.36	185.48	253.52	2669.09	111.62	619.85	10,467.32
LT 5 BS 1 PP 10	15.34	822.63	368.24	60.56	341.37	386.88	284.73	38.16	37.55	64.22	909.68	25.82	159.33	3,514.51
LT 5 BS 2 PP 5	73.8	1671.99	737.53	281.4	333.54	1753.12	1360.13	270.92	185.48	161.94	2797.39	210.22	669.96	10,507.42
LT 5 BS 2 PP 10	48.69	385.97	411.66	158.67	367.14	498.12	314.85	93.59	40.42	59.8	1217.82	98.05	201.75	3,896.53
LT 5 BS 3 PP 5	170.8	1824.53	732.17	256.76	741.51	1878.73	1370.09	227.12	203.17	226.93	2795.7	210.22	738.09	11,375.82
LT 5 BS 3 PP 10	22.67	545.53	512.48	40.78	415.4	592.32	364.02	77.1	40.42	70.5	1347.24	120.64	239.8	4,388.90
LT 10 BS 1 PP 5	188.43	2291.68	2029.81	475.7	923.94	2979.21	2440.49	878.7	314.5	528.57	3970.14	468.76	996.12	18,486.05
LT 10 BS 1 PP 10	114.31	1038.11	597.47	121.77	466.8	999.97	1072.83	83.2	77.32	124.52	1538.59	71.67	262.02	6,568.58
LT 10 BS 2 PP 5	183.34	1977.12	621.79	472.93	1350.31	2538.13	1869.36	1020.67	314.5	628.28	3566.9	529.42	881.49	15,954.24
LT 10 BS 2 PP 10	120.54	1414.91	476.32	47.66	217.22	1147.43	951.55	151.54	124.16	129.46	1237.18	96.53	320.25	6,434.75
LT 10 BS 3 PP 5	183.34	2099.37	1216.53	472.93	757.41	2806.57	1746.01	330.25	397.65	622.84	4041.61	529.42	1054.34	16,258.27
LT 10 BS 3 PP 10	91.73	1027.06	383.81	154.57	193.36	1301.36	873.82	211.32	86.45	90.99	1695.07	115.38	479.04	6,703.96
LT 20 BS 1 PP 5	429.16	5352.05	5702.81	1076.06	2026.79	6387.11	4631.98	2292.47	812.5	1730.53	4932.71	800.26	3690.61	39,865.04
LT 20 BS 1 PP 10	171.6	2464.96	1940.11	545.53	1235.04	3367.29	2755.9	953.11	365.1	770.77	4081.65	358.57	991.45	20,001.08
LT 20 BS 2 PP 5	429.16	3403.94	2278.92	1154.19	2210.06	5645.56	4998.32	2371.12	812.5	1813.69	7940.25	853.16	3862.39	37,773.26
LT 20 BS 2 PP 10	213.84	3701.05	878.02	587.67	1171.73	2761.05	2008.26	874.36	355.29	931.85	3854.67	358.57	959.14	18,655.50
LT 20 BS 3 PP 5	429.16	5156.26	2161.04	1453.25	2381.8	4498.36	3826.58	988.61	824.36	1605.01	8934.63	768.46	3385.33	36,412.85
LT 20 BS 3 PP 10	213.84	2884.09	1057.07	475.6	1497.77	2818.26	1978.38	304.63	348.84	807.51	3195.37	358.57	837.3	16,777.23

Tabel L2 – 49  
Tabel Perhitungan Biaya Persediaan Hasil Simulasi Sesuai Rumus yang Digunakan di Perusahaan

TRIAL	Ambon	Bandung	Denpasar	Kupang	Jayapura	Jakarta	Medan
LT 5 BS 1 PP 5	2,536,586.32	55,400,943.46	26,204,718.89	9,154,413.80	25,974,766.88	56,108,684.61	47,782,861.36
LT 5 BS 1 PP 10	542,468.06	28,881,896.95	13,019,976.91	2,141,581.87	12,337,219.18	13,528,523.65	10,067,347.02
LT 5 BS 2 PP 5	2,609,787.69	58,702,263.33	26,077,078.99	9,951,141.66	12,054,240.52	61,303,570.55	48,090,825.37
LT 5 BS 2 PP 10	1,721,823.34	13,551,105.32	14,555,191.43	5,611,043.52	13,268,555.09	17,418,393.81	11,132,315.56
LT 5 BS 3 PP 5	6,039,996.43	64,057,823.62	25,887,563.80	9,079,797.92	26,798,404.65	65,695,934.73	48,442,986.28
LT 5 BS 3 PP 10	801,678.68	19,153,132.33	18,119,915.72	1,442,102.19	15,012,686.67	20,712,404.69	12,870,844.88
LT 10 BS 1 PP 5	6,663,445.71	80,459,095.35	71,768,627.32	16,822,168.05	33,391,482.24	104,177,814.65	86,289,677.03
LT 10 BS 1 PP 10	4,042,341.88	36,447,231.50	21,124,933.75	4,306,149.68	16,870,298.84	34,967,219.27	37,932,609.52
LT 10 BS 2 PP 5	6,483,448.16	69,415,139.38	21,984,823.60	16,724,212.61	48,800,628.16	88,754,010.86	66,095,935.92
LT 10 BS 2 PP 10	4,262,653.22	49,676,385.27	16,841,395.29	1,685,399.47	7,850,399.13	40,123,640.11	33,644,449.34
LT 10 BS 3 PP 5	6,483,448.16	73,707,241.42	43,013,231.88	16,724,212.61	27,373,035.65	98,140,892.81	61,734,585.67
LT 10 BS 3 PP 10	3,243,845.86	36,059,274.63	13,570,490.27	5,466,055.32	6,988,091.22	45,506,305.65	30,896,109.22
LT 20 BS 1 PP 5	15,176,375.11	187,906,296.38	201,636,037.65	38,052,684.79	73,248,828.15	223,346,176.24	163,775,331.26
LT 20 BS 1 PP 10	6,068,286.81	86,542,820.85	68,597,076.36	19,291,564.72	44,634,734.10	117,748,300.22	97,441,792.80
LT 20 BS 2 PP 5	15,176,375.11	119,509,675.45	80,576,487.54	40,815,594.16	79,872,263.60	197,415,456.87	176,728,205.60
LT 20 BS 2 PP 10	7,562,018.95	129,940,975.55	31,044,427.88	20,781,760.56	42,346,690.78	96,549,137.23	71,007,095.62
LT 20 BS 3 PP 5	15,176,375.11	181,032,262.36	76,408,567.50	51,391,246.00	86,079,001.22	157,299,859.46	135,298,383.65
LT 20 BS 3 PP 10	7,562,018.95	101,258,147.87	37,375,154.76	16,818,631.75	54,129,878.94	98,549,671.86	69,950,612.88

Tabel L2 – 49 (lanjutan)  
Tabel Perhitungan Biaya Persediaan Berdasarkan Hasil Simulasi Sesuai yang Dilakukan Perusahaan

TRIAL	Padang	Palangkaraya	Palu	Surabaya	Ternate	DI Yogyakarta	Total
LT 5 BS 1 PP 5	10,823,239.82	6,761,622.50	8,988,021.16	93,477,136.47	3,947,215.47	22,114,930.13	369,275,140.87
LT 5 BS 1 PP 10	1,361,467.67	1,368,874.95	2,276,785.73	31,858,903.78	913,072.06	5,684,555.65	123,982,673.49
LT 5 BS 2 PP 5	9,665,849.60	6,761,622.50	5,741,243.87	97,970,471.87	7,434,004.98	23,902,748.39	370,264,849.33
LT 5 BS 2 PP 10	3,339,092.22	1,473,500.01	2,120,083.88	42,650,613.63	3,467,339.87	7,198,011.06	137,507,068.75
LT 5 BS 3 PP 5	8,103,158.72	7,406,506.59	8,045,328.34	97,911,284.53	7,434,004.98	26,333,481.94	401,236,272.54
LT 5 BS 3 PP 10	2,750,764.08	1,473,500.01	2,499,429.99	47,183,173.79	4,266,189.52	8,555,554.16	154,841,376.71
LT 10 BS 1 PP 5	31,350,147.79	11,465,011.19	18,739,343.42	139,042,639.46	16,576,748.99	35,539,443.74	652,285,644.95
LT 10 BS 1 PP 10	2,968,399.11	2,818,679.38	4,414,596.07	53,884,652.59	2,534,464.55	9,348,316.52	231,659,892.64
LT 10 BS 2 PP 5	36,415,335.55	11,465,011.19	22,274,352.85	124,920,327.92	18,721,867.16	31,449,689.06	563,504,782.40
LT 10 BS 2 PP 10	5,406,625.01	4,526,218.73	4,589,733.43	43,328,641.48	3,413,588.15	11,425,839.11	226,774,967.75
LT 10 BS 3 PP 5	11,782,617.85	14,496,221.62	22,081,489.03	141,545,668.94	18,721,867.16	37,616,609.56	573,421,122.36
LT 10 BS 3 PP 10	7,539,448.31	3,151,511.03	3,225,860.07	59,364,910.78	4,080,180.26	17,091,128.71	236,183,211.32
LT 20 BS 1 PP 5	81,790,455.56	29,619,464.53	61,352,320.36	172,753,862.11	28,299,575.79	131,673,118.17	1,408,630,526.10
LT 20 BS 1 PP 10	34,004,938.39	13,309,620.31	27,326,037.67	142,947,953.82	12,680,102.58	35,372,828.07	705,966,056.68
LT 20 BS 2 PP 5	84,596,520.35	29,619,464.53	64,300,584.16	278,084,228.26	30,170,277.26	137,801,863.35	1,334,666,996.24
LT 20 BS 2 PP 10	31,195,305.82	12,951,999.45	33,036,792.04	134,998,637.59	12,680,102.58	34,220,075.97	658,315,020.03
LT 20 BS 3 PP 5	35,271,502.91	30,051,817.57	56,902,271.38	312,909,503.90	27,175,033.13	120,781,376.83	1,285,777,201.03
LT 20 BS 3 PP 10	10,868,550.72	12,716,866.47	28,628,577.49	111,908,567.17	12,680,102.58	29,873,083.81	592,319,865.28

Tabel L2 – 50  
Rangkuman Perhitungan *Backorder* Berdasarkan Hasil Simulasi Sesuai yang Dilakukan Perusahaan

TRIAL	Ambon	Bandung	Denpasar	Kupang	Jayapura	Jakarta	Medan	Padang	Palangkaraya	Palu	Surabaya	Ternate	DI Yogyakarta	Total
LT 5 BS 1 PP 5	-40.18	-315.35	-131.5	-35.13	-76.51	-225.75	-194.32	-63.85	-38.91	-48.03	-353.47	-37.65	-116.85	-1,677.50
LT 5 BS 1 PP 10	-28.25	-2024.35	-398.78	-60.62	-120.48	-1863.05	-1346.36	-237.64	-62.66	-103.95	-1718.28	-58.69	-664.95	-8,688.06
LT 5 BS 2 PP 5	-36.99	-222.99	-98.97	-60.08	-50.76	-195.62	-143.74	-54.89	-38.91	-39.07	-166.89	-31.55	-88.23	-1,228.69
LT 5 BS 2 PP 10	-43.29	-1795.47	-353.66	-54.17	-117.12	-1616.67	-1145.64	-203.4	-45.24	-95.37	-1444.16	-60.17	-579.12	-7,553.48
LT 5 BS 3 PP 5	-46.31	-157.21	-56.4	-43.42	-70.1	-107.51	-93.69	-39.88	-28.69	-38.2	-75.31	-31.55	-50.64	-838.91
LT 5 BS 3 PP 10	-23.63	-1577.49	-287.67	-50.41	-136.35	-1297.73	-975.52	-175.31	-45.24	-101.17	-1197.89	-52.21	-498.66	-6,419.28
LT 10 BS 1 PP 5	-15.81	-527.93	-142.31	-26.83	-70.69	-488.69	-340.71	-71.01	-37.59	-41.75	-442.04	-37.39	-202.13	-2,444.88
LT 10 BS 1 PP 10	-33.67	-1870.63	-429.41	-116.13	-159.88	-2006.91	-1448.13	-239.05	-69.18	-127.9	-1981.18	-79.6	-738.73	-9,300.40
LT 10 BS 2 PP 5	-15.22	-245.99	-74.28	-37.96	-60.42	-281.68	-228.6	-63.77	-37.59	-64.65	-261.75	-69.81	-119.58	-1,561.30
LT 10 BS 2 PP 10	-27.47	-1928.3	-390.46	-79.7	-156.93	-1711.9	-1229.46	-195.74	-61.36	-124.1	-1608.8	-76.39	-605.63	-8,196.24
LT 10 BS 3 PP 5	-15.22	-183.29	-76.48	-37.96	-29.27	-188.61	-131.42	-49.43	-36.75	-53.44	-204.41	-69.81	-90.31	-1,166.40
LT 10 BS 3 PP 10	-52.6	-1524.71	-309.71	-55.83	-134.48	-1360.31	-1110.31	-204.45	-56.25	-79.04	-1288.5	-66.26	-620.64	-6,863.09
LT 20 BS 1 PP 5	-40.18	-942.45	-196.5	-68.02	-58.37	-949.95	-514.05	-124.03	-34.67	-81.01	-557.14	-70.35	-269.44	-3,906.16
LT 20 BS 1 PP 10	-30.19	-2493.73	-410.47	-107.44	-127.6	-2459.54	-2035.29	-214.14	-64.06	-109.72	-2827.1	-52.88	-745.27	-11,677.43
LT 20 BS 2 PP 5	-40.18	-657.55	-172.08	-74.58	-50.81	-614.04	-325.36	-120.63	-34.67	-61.67	-299.91	-70.8	-213.22	-2,735.50
LT 20 BS 2 PP 10	-39.5	-2410.87	-642.42	-103.56	-132.62	-2313.56	-1720.45	-199.93	-68.64	-79.79	-2020.31	-52.88	-656.22	-10,440.75
LT 20 BS 3 PP 5	-40.18	-330.85	-116.85	-85.89	-34.08	-330.49	-128.88	-101.12	-56.3	-32.56	-179.45	-31.26	-121.81	-1,589.72
LT 20 BS 3 PP 10	-39.5	-1675.14	-589.65	-70.98	-129.71	-1790.65	-1780.6	-212.1	-48.54	-100.92	-1693.39	-52.88	-704.01	-8,888.07



Tabel L2 – 51

Biaya Pengiriman Berdasarkan Rumus yang Digunakan di Perusahaan Alternatif  
*Lead Time 5 Hari, Buffer Stock 1 Hari, Periode Pemesanan 5 Hari*

Kota	Total Pengiriman	Rata-rata Pengiriman/ periode	B. Pengiriman/ Truk (Rp)	Total B. Pengiriman (Rp)
Ambon	2,407	61	50,000,000.00	3,050,000,000.00
Bandung	67,466	1,687	8,000,000.00	13,496,000,000.00
Denpasar	19,567	490	24,000,000.00	11,760,000,000.00
Jayapura	6,268	157	64,000,000.00	10,048,000,000.00
Jakarta	65,760	1,644	4,000,000.00	6,576,000,000.00
Kupang	3,974	100	52,000,000.00	5,200,000,000.00
Medan	48,970	1,225	42,000,000.00	51,450,000,000.00
Padang	9,062	227	28,000,000.00	6,356,000,000.00
Palangkaraya	3,198	80	36,000,000.00	2,880,000,000.00
Palu	5,364	135	38,000,000.00	5,130,000,000.00
Surabaya	82,058	2,052	16,000,000.00	32,832,000,000.00
Ternate	3,752	94	52,000,000.00	4,888,000,000.00
DI Yogyakarta	25,466	637	12,000,000.00	7,644,000,000.00
			Total	161,310,000,000.00

Tabel L2 – 52

Biaya Pengiriman Berdasarkan Rumus yang Digunakan di Perusahaan Alternatif  
*Lead Time 5 Hari, Buffer Stock 1 Hari, Periode Pemesanan 10 Hari*

Kota	Total Pengiriman	Rata-rata Pengiriman/ periode	B. Pengiriman/ Truk (Rp)	Total B. Pengiriman (Rp)
Ambon	1,733	83	50,000,000.00	4,150,000,000.00
Bandung	68,358	3,256	8,000,000.00	26,048,000,000.00
Denpasar	16,646	793	24,000,000.00	19,032,000,000.00
Jayapura	6,438	307	64,000,000.00	19,648,000,000.00
Jakarta	68,496	3,262	4,000,000.00	13,048,000,000.00
Kupang	4,144	198	52,000,000.00	10,296,000,000.00
Medan	50,755	2,417	42,000,000.00	101,514,000,000.00
Padang	9,071	432	28,000,000.00	12,096,000,000.00
Palangkaraya	2,882	138	36,000,000.00	4,968,000,000.00
Palu	4,984	238	38,000,000.00	9,044,000,000.00
Surabaya	83,389	3,971	16,000,000.00	63,536,000,000.00
Ternate	2,839	136	52,000,000.00	7,072,000,000.00
DI Yogyakarta	23,843	1,136	12,000,000.00	13,632,000,000.00
			Total	304,084,000,000.00

Tabel L2 – 53  
Biaya Pengiriman Berdasarkan Rumus yang Digunakan di Perusahaan Alternatif  
*Lead Time 5 Hari, Buffer Stock 2 Hari, Periode Pemesanan 5 Hari*

Kota	Total Pengiriman	Rata-rata Pengiriman/ periode	B. Pengiriman/ Truk (Rp)	Total B. Pengiriman (Rp)
Ambon	2,174	55	50,000,000.00	2,750,000,000.00
Bandung	68,234	1,706	8,000,000.00	13,648,000,000.00
Denpasar	18,994	475	24,000,000.00	11,400,000,000.00
Jayapura	6,682	168	64,000,000.00	10,752,000,000.00
Jakarta	68,517	1,713	4,000,000.00	6,852,000,000.00
Kupang	4,475	112	52,000,000.00	5,824,000,000.00
Medan	49,115	1,228	42,000,000.00	51,576,000,000.00
Padang	8,721	219	28,000,000.00	6,132,000,000.00
Palangkaraya	3,558	89	36,000,000.00	3,204,000,000.00
Palu	5,467	137	38,000,000.00	5,206,000,000.00
Surabaya	82,955	2,074	16,000,000.00	33,184,000,000.00
Ternate	3,638	91	52,000,000.00	4,732,000,000.00
DI Yogyakarta	24,476	612	12,000,000.00	7,344,000,000.00
			Total	162,604,000,000.00

Tabel L2 – 54  
Biaya Pengiriman Berdasarkan Rumus yang Digunakan di Perusahaan Alternatif  
*Lead Time 5 Hari, Buffer Stock 2 Hari, Periode Pemesanan 10 Hari*

Kota	Total Pengiriman	Rata-rata Pengiriman/ periode	B. Pengiriman/ Truk (Rp)	Total B. Pengiriman (Rp)
Ambon	1,775	85	50,000,000.00	4,250,000,000.00
Bandung	68,442	3,260	8,000,000.00	26,080,000,000.00
Denpasar	16,643	793	24,000,000.00	19,032,000,000.00
Jayapura	6,667	318	64,000,000.00	20,352,000,000.00
Jakarta	68,349	3,255	4,000,000.00	13,020,000,000.00
Kupang	3,854	184	52,000,000.00	9,568,000,000.00
Medan	50,125	2,387	42,000,000.00	100,254,000,000.00
Padang	8,882	423	28,000,000.00	11,844,000,000.00
Palangkaraya	2,719	130	36,000,000.00	4,680,000,000.00
Palu	5,110	244	38,000,000.00	9,272,000,000.00
Surabaya	83,116	3,958	16,000,000.00	63,328,000,000.00
Ternate	2,954	141	52,000,000.00	7,332,000,000.00
DI Yogyakarta	23,108	1,101	12,000,000.00	13,212,000,000.00
			Total	302,224,000,000.00

Tabel L2 – 55

Biaya Pengiriman Berdasarkan Rumus yang Digunakan di Perusahaan Alternatif  
*Lead Time 5 Hari, Buffer Stock 3 Hari, Periode Pemesanan 5 Hari*

Kota	Total Pengiriman	Rata-rata Pengiriman/ periode	B. Pengiriman/ Truk (Rp)	Total B. Pengiriman (Rp)
Ambon	1,937	49	50,000,000.00	2,450,000,000.00
Bandung	68,724	1,719	8,000,000.00	13,752,000,000.00
Denpasar	18,775	470	24,000,000.00	11,280,000,000.00
Jayapura	6,899	173	64,000,000.00	11,072,000,000.00
Jakarta	68,750	1,719	4,000,000.00	6,876,000,000.00
Kupang	4,863	122	52,000,000.00	6,344,000,000.00
Medan	50,200	1,255	42,000,000.00	52,710,000,000.00
Padang	8,737	219	28,000,000.00	6,132,000,000.00
Palangkaraya	3,475	87	36,000,000.00	3,132,000,000.00
Palu	5,474	137	38,000,000.00	5,206,000,000.00
Surabaya	84,002	2,101	16,000,000.00	33,616,000,000.00
Ternate	3,998	100	52,000,000.00	5,200,000,000.00
DI Yogyakarta	24,352	609	12,000,000.00	7,308,000,000.00
			Total	165,078,000,000.00

Tabel L2 – 56

Biaya Pengiriman Berdasarkan Rumus yang Digunakan di Perusahaan Alternatif  
*Lead Time 5 Hari, Buffer Stock 3 Hari, Periode Pemesanan 10 Hari*

Kota	Total Pengiriman	Rata-rata Pengiriman/ periode	B. Pengiriman/ Truk (Rp)	Total B. Pengiriman (Rp)
Ambon	1,733	83	50,000,000.00	4,150,000,000.00
Bandung	68,358	3,256	8,000,000.00	26,048,000,000.00
Denpasar	16,646	793	24,000,000.00	19,032,000,000.00
Jayapura	6,438	307	64,000,000.00	19,648,000,000.00
Jakarta	68,496	3,262	4,000,000.00	13,048,000,000.00
Kupang	4,144	198	52,000,000.00	10,296,000,000.00
Medan	50,755	2,417	42,000,000.00	101,514,000,000.00
Padang	9,071	432	28,000,000.00	12,096,000,000.00
Palangkaraya	2,882	138	36,000,000.00	4,968,000,000.00
Palu	4,984	238	38,000,000.00	9,044,000,000.00
Surabaya	83,389	3,971	16,000,000.00	63,536,000,000.00
Ternate	2,839	136	52,000,000.00	7,072,000,000.00
DI Yogyakarta	23,843	1,136	12,000,000.00	13,632,000,000.00
			Total	304,084,000,000.00

Tabel L2 – 57

Biaya Pengiriman Berdasarkan Rumus yang Digunakan di Perusahaan Alternatif  
*Lead Time 10 Hari, Buffer Stock 1 Hari, Periode Pemesanan 5 Hari*

Kota	Total Pengiriman	Rata-rata Pengiriman/ periode	B. Pengiriman/ Truk (Rp)	Total B. Pengiriman (Rp)
Ambon	2,417	61	50,000,000.00	3,050,000,000.00
Bandung	75,583	1,890	8,000,000.00	15,120,000,000.00
Denpasar	19,473	487	24,000,000.00	11,688,000,000.00
Jayapura	7,205	181	64,000,000.00	11,584,000,000.00
Jakarta	74,161	1,855	4,000,000.00	7,420,000,000.00
Kupang	3,321	84	52,000,000.00	4,368,000,000.00
Medan	45,651	1,142	42,000,000.00	47,964,000,000.00
Padang	9,495	238	28,000,000.00	6,664,000,000.00
Palangkaraya	2,605	66	36,000,000.00	2,376,000,000.00
Palu	5,303	133	38,000,000.00	5,054,000,000.00
Surabaya	75,112	1,878	16,000,000.00	30,048,000,000.00
Ternate	2,932	74	52,000,000.00	3,848,000,000.00
DI Yogyakarta	23,341	584	12,000,000.00	7,008,000,000.00
			Total	156,192,000,000.00

Tabel L2 – 58

Biaya Pengiriman Berdasarkan Rumus yang Digunakan di Perusahaan Alternatif  
*Lead Time 10 Hari, Buffer Stock 1 Hari, Periode Pemesanan 10*

Kota	Total Pengiriman	Rata-rata Pengiriman/ periode	B. Pengiriman/ Truk (Rp)	Total B. Pengiriman (Rp)
Ambon	1,589	76	50,000,000.00	3,800,000,000.00
Bandung	63,402	3,020	8,000,000.00	24,160,000,000.00
Denpasar	18,095	862	24,000,000.00	20,688,000,000.00
Jayapura	6,927	330	64,000,000.00	21,120,000,000.00
Jakarta	66,278	3,157	4,000,000.00	12,628,000,000.00
Kupang	4,306	206	52,000,000.00	10,712,000,000.00
Medan	50,696	2,415	42,000,000.00	101,430,000,000.00
Padang	9,624	459	28,000,000.00	12,852,000,000.00
Palangkaraya	2,696	129	36,000,000.00	4,644,000,000.00
Palu	5,088	243	38,000,000.00	9,234,000,000.00
Surabaya	79,033	3,764	16,000,000.00	60,224,000,000.00
Ternate	2,869	137	52,000,000.00	7,124,000,000.00
DI Yogyakarta	25,271	1,204	12,000,000.00	14,448,000,000.00
			Total	303,064,000,000.00

Tabel L2 – 59

Biaya Pengiriman Berdasarkan Rumus yang Digunakan di Perusahaan Alternatif  
*Lead Time 10 Hari, Buffer Stock 2 Hari, Periode Pemesanan 5 Hari*

Kota	Total Pengiriman	Rata-rata Pengiriman/ periode	B. Pengiriman/ Truk (Rp)	Total B. Pengiriman (Rp)
Ambon	2,182	55	50,000,000.00	2,750,000,000.00
Bandung	71,015	1,776	8,000,000.00	14,208,000,000.00
Denpasar	19,048	477	24,000,000.00	11,448,000,000.00
Jayapura	5,957	149	64,000,000.00	9,536,000,000.00
Jakarta	72,147	1,804	4,000,000.00	7,216,000,000.00
Kupang	3,948	99	52,000,000.00	5,148,000,000.00
Medan	48,936	1,224	42,000,000.00	51,408,000,000.00
Padang	9,491	238	28,000,000.00	6,664,000,000.00
Palangkaraya	2,965	75	36,000,000.00	2,700,000,000.00
Palu	6,018	151	38,000,000.00	5,738,000,000.00
Surabaya	74,979	1,875	16,000,000.00	30,000,000,000.00
Ternate	3,255	82	52,000,000.00	4,264,000,000.00
DI Yogyakarta	26,127	654	12,000,000.00	7,848,000,000.00
			Total	158,928,000,000.00

Tabel L2 – 60

Biaya Pengiriman Berdasarkan Rumus yang Digunakan di Perusahaan Alternatif  
*Lead Time 10 Hari, Buffer Stock 2 Hari, Periode Pemesanan 10*

Kota	Total Pengiriman	Rata-rata Pengiriman/ periode	B. Pengiriman/ Truk (Rp)	Total B. Pengiriman (Rp)
Ambon	1,519	73	50,000,000.00	3,650,000,000.00
Bandung	67,014	3,192	8,000,000.00	25,536,000,000.00
Denpasar	17,451	831	24,000,000.00	19,944,000,000.00
Jayapura	7,144	341	64,000,000.00	21,824,000,000.00
Jakarta	66,383	3,162	4,000,000.00	12,648,000,000.00
Kupang	4,190	200	52,000,000.00	10,400,000,000.00
Medan	47,971	2,285	42,000,000.00	95,970,000,000.00
Padang	9,336	445	28,000,000.00	12,460,000,000.00
Palangkaraya	2,751	131	36,000,000.00	4,716,000,000.00
Palu	5,203	248	38,000,000.00	9,424,000,000.00
Surabaya	82,057	3,908	16,000,000.00	62,528,000,000.00
Ternate	2,846	136	52,000,000.00	7,072,000,000.00
DI Yogyakarta	23,468	1,118	12,000,000.00	13,416,000,000.00
			Total	299,588,000,000.00

Tabel L2 – 61

Biaya Pengiriman Berdasarkan Rumus yang Digunakan di Perusahaan Alternatif  
*Lead Time 10 Hari, Buffer Stock 3 Hari, Periode Pemesanan 5 Hari*

Kota	Total Pengiriman	Rata-rata Pengiriman/ periode	B. Pengiriman/ Truk (Rp)	Total B. Pengiriman (Rp)
Ambon	2,342	59	50,000,000.00	2,950,000,000.00
Bandung	69,056	1,727	8,000,000.00	13,816,000,000.00
Denpasar	17,063	427	24,000,000.00	10,248,000,000.00
Jayapura	7,266	182	64,000,000.00	11,648,000,000.00
Jakarta	67,526	1,689	4,000,000.00	6,756,000,000.00
Kupang	4,468	112	52,000,000.00	5,824,000,000.00
Medan	48,764	1,220	42,000,000.00	51,240,000,000.00
Padang	8,718	218	28,000,000.00	6,104,000,000.00
Palangkaraya	3,025	76	36,000,000.00	2,736,000,000.00
Palu	5,257	132	38,000,000.00	5,016,000,000.00
Surabaya	80,935	2,024	16,000,000.00	32,384,000,000.00
Ternate	3,615	91	52,000,000.00	4,732,000,000.00
DI Yogyakarta	24,091	603	12,000,000.00	7,236,000,000.00
			Total	160,690,000,000.00

Tabel L2 – 62

Biaya Pengiriman Berdasarkan Rumus yang Digunakan di Perusahaan Alternatif  
*Lead Time 10 Hari, Buffer Stock 3 Hari, Periode Pemesanan 10*

Kota	Total Pengiriman	Rata-rata Pengiriman/ periode	B. Pengiriman/ Truk (Rp)	Total B. Pengiriman (Rp)
Ambon	1,595	76	50,000,000.00	3,800,000,000.00
Bandung	64,914	3,092	8,000,000.00	24,736,000,000.00
Denpasar	17,427	830	24,000,000.00	19,920,000,000.00
Jayapura	6,667	318	64,000,000.00	20,352,000,000.00
Jakarta	64,220	3,059	4,000,000.00	12,236,000,000.00
Kupang	3,601	172	52,000,000.00	8,944,000,000.00
Medan	50,108	2,387	42,000,000.00	100,254,000,000.00
Padang	8,753	417	28,000,000.00	11,676,000,000.00
Palangkaraya	3,085	147	36,000,000.00	5,292,000,000.00
Palu	5,028	240	38,000,000.00	9,120,000,000.00
Surabaya	79,129	3,769	16,000,000.00	60,304,000,000.00
Ternate	2,919	139	52,000,000.00	7,228,000,000.00
DI Yogyakarta	25,424	1,211	12,000,000.00	14,532,000,000.00
			Total	298,394,000,000.00

Tabel L2 – 63  
Biaya Pengiriman Berdasarkan Rumus yang Digunakan di Perusahaan Alternatif  
*Lead Time 20 Hari, Buffer Stock 1 Hari, Periode Pemesanan 5 Hari*

Kota	Total Pengiriman	Rata-rata Pengiriman/ periode	B. Pengiriman/ Truk (Rp)	Total B. Pengiriman (Rp)
Ambon	2,174	55	50,000,000.00	2,750,000,000.00
Bandung	68,234	1,706	8,000,000.00	13,648,000,000.00
Denpasar	18,994	475	24,000,000.00	11,400,000,000.00
Jayapura	6,682	168	64,000,000.00	10,752,000,000.00
Jakarta	68,517	1,713	4,000,000.00	6,852,000,000.00
Kupang	4,475	112	52,000,000.00	5,824,000,000.00
Medan	49,115	1,228	42,000,000.00	51,576,000,000.00
Padang	8,721	219	28,000,000.00	6,132,000,000.00
Palangkaraya	3,558	89	36,000,000.00	3,204,000,000.00
Palu	5,467	137	38,000,000.00	5,206,000,000.00
Surabaya	82,955	2,074	16,000,000.00	33,184,000,000.00
Ternate	3,638	91	52,000,000.00	4,732,000,000.00
DI Yogyakarta	24,476	612	12,000,000.00	7,344,000,000.00
			Total	162,604,000,000.00

Tabel L2 – 64  
Biaya Pengiriman Berdasarkan Rumus yang Digunakan di Perusahaan Alternatif  
*Lead Time 20 Hari, Buffer Stock 1 Hari, Periode Pemesanan 10*

Kota	Total Pengiriman	Rata-rata Pengiriman/ periode	B. Pengiriman/ Truk (Rp)	Total B. Pengiriman (Rp)
Ambon	1,458	70	50,000,000.00	3,500,000,000.00
Bandung	67,341	3,207	8,000,000.00	25,656,000,000.00
Denpasar	20,473	975	24,000,000.00	23,400,000,000.00
Jayapura	5,671	271	64,000,000.00	17,344,000,000.00
Jakarta	68,248	3,250	4,000,000.00	13,000,000,000.00
Kupang	3,238	155	52,000,000.00	8,060,000,000.00
Medan	56,152	2,674	42,000,000.00	112,308,000,000.00
Padang	9,133	435	28,000,000.00	12,180,000,000.00
Palangkaraya	2,840	136	36,000,000.00	4,896,000,000.00
Palu	5,521	263	38,000,000.00	9,994,000,000.00
Surabaya	89,004	4,239	16,000,000.00	67,824,000,000.00
Ternate	2,431	116	52,000,000.00	6,032,000,000.00
DI Yogyakarta	21,446	1,022	12,000,000.00	12,264,000,000.00
			Total	316,458,000,000.00

Tabel L2 – 65  
Biaya Pengiriman Berdasarkan Rumus yang Digunakan di Perusahaan Alternatif  
*Lead Time 20 Hari, Buffer Stock 2 Hari, Periode Pemesanan 5 Hari*

Kota	Total Pengiriman	Rata-rata Pengiriman/ periode	B. Pengiriman/ Truk (Rp)	Total B. Pengiriman (Rp)
Ambon	1,382	35	50,000,000.00	1,750,000,000.00
Bandung	79,740	1,994	8,000,000.00	15,952,000,000.00
Denpasar	17,200	430	24,000,000.00	10,320,000,000.00
Jayapura	5,529	139	64,000,000.00	8,896,000,000.00
Jakarta	75,846	1,897	4,000,000.00	7,588,000,000.00
Kupang	3,572	90	52,000,000.00	4,680,000,000.00
Medan	42,133	1,054	42,000,000.00	44,268,000,000.00
Padang	12,938	324	28,000,000.00	9,072,000,000.00
Palangkaraya	2,835	71	36,000,000.00	2,556,000,000.00
Palu	3,906	98	38,000,000.00	3,724,000,000.00
Surabaya	62,697	1,568	16,000,000.00	25,088,000,000.00
Ternate	2,924	74	52,000,000.00	3,848,000,000.00
DI Yogyakarta	20,812	521	12,000,000.00	6,252,000,000.00
			Total	143,994,000,000.00

Tabel L2 – 66  
Biaya Pengiriman Berdasarkan Rumus yang Digunakan di Perusahaan Alternatif  
*Lead Time 20 Hari, Buffer Stock 2 Hari, Periode Pemesanan 10*

Kota	Total Pengiriman	Rata-rata Pengiriman/ periode	B. Pengiriman/ Truk (Rp)	Total B. Pengiriman (Rp)
Ambon	1,159	56	50,000,000.00	2,800,000,000.00
Bandung	72,059	3,432	8,000,000.00	27,456,000,000.00
Denpasar	20,284	966	24,000,000.00	23,184,000,000.00
Jayapura	6,472	309	64,000,000.00	19,776,000,000.00
Jakarta	70,064	3,337	4,000,000.00	13,348,000,000.00
Kupang	3,108	148	52,000,000.00	7,696,000,000.00
Medan	52,163	2,484	42,000,000.00	104,328,000,000.00
Padang	9,112	434	28,000,000.00	12,152,000,000.00
Palangkaraya	2,980	142	36,000,000.00	5,112,000,000.00
Palu	4,848	231	38,000,000.00	8,778,000,000.00
Surabaya	76,639	3,650	16,000,000.00	58,400,000,000.00
Ternate	2,620	125	52,000,000.00	6,500,000,000.00
DI Yogyakarta	21,479	1,023	12,000,000.00	12,276,000,000.00
			Total	301,806,000,000.00



Tabel L2 – 67

Biaya Pengiriman Berdasarkan Rumus yang Digunakan di Perusahaan Alternatif  
*Lead Time 20 Hari, Buffer Stock 3 Hari, Periode Pemesanan 5 Hari*

Kota	Total Pengiriman	Rata-rata Pengiriman/ periode	B. Pengiriman/ Truk (Rp)	Total B. Pengiriman (Rp)
Ambon	1,542	39	50,000,000.00	1,950,000,000.00
Bandung	60,239	1,506	8,000,000.00	12,048,000,000.00
Denpasar	17,031	426	24,000,000.00	10,224,000,000.00
Jayapura	6,261	157	64,000,000.00	10,048,000,000.00
Jakarta	71,814	1,796	4,000,000.00	7,184,000,000.00
Kupang	4,500	113	52,000,000.00	5,876,000,000.00
Medan	43,555	1,089	42,000,000.00	45,738,000,000.00
Padang	7,876	197	28,000,000.00	5,516,000,000.00
Palangkaraya	2,978	75	36,000,000.00	2,700,000,000.00
Palu	4,756	119	38,000,000.00	4,522,000,000.00
Surabaya	70,378	1,760	16,000,000.00	28,160,000,000.00
Ternate	3,137	79	52,000,000.00	4,108,000,000.00
DI Yogyakarta	18,277	457	12,000,000.00	5,484,000,000.00
			Total	143,558,000,000.00

Tabel L2 – 68

Biaya Pengiriman Berdasarkan Rumus yang Digunakan di Perusahaan Alternatif  
*Lead Time 20 Hari, Buffer Stock 3 Hari, Periode Pemesanan 10 Hari*

Kota	Total Pengiriman	Rata-rata Pengiriman/ periode	B. Pengiriman/ Truk (Rp)	Total B. Pengiriman (Rp)
Ambon	1,243	60	50,000,000.00	3,000,000,000.00
Bandung	60,197	2,867	8,000,000.00	22,936,000,000.00
Denpasar	20,570	980	24,000,000.00	23,520,000,000.00
Jayapura	5,441	260	64,000,000.00	16,640,000,000.00
Jakarta	64,896	3,091	4,000,000.00	12,364,000,000.00
Kupang	4,515	215	52,000,000.00	11,180,000,000.00
Medan	55,811	2,658	42,000,000.00	111,636,000,000.00
Padang	8,028	383	28,000,000.00	10,724,000,000.00
Palangkaraya	3,085	147	36,000,000.00	5,292,000,000.00
Palu	5,857	279	38,000,000.00	10,602,000,000.00
Surabaya	79,054	3,765	16,000,000.00	60,240,000,000.00
Ternate	2,809	134	52,000,000.00	6,968,000,000.00
DI Yogyakarta	24,576	1,171	12,000,000.00	14,052,000,000.00
			Total	309,154,000,000.00

Tabel L2 – 69  
Rangkuman Biaya Pengiriman dari Pabrik ke *Main Dealer* Menggunakan Rumus  
di PT X

Alternatif	Total Biaya Pengiriman/periode	Total Biaya Pengiriman/2 minggu
lt 1 bs 1 pp 1	161,310,000,000.00	322,620,000,000.00
lt 1 bs 1 pp 2	304,084,000,000.00	304,084,000,000.00
lt 1 bs 2 pp 1	162,604,000,000.00	325,208,000,000.00
lt 1 bs 2 pp 2	302,224,000,000.00	302,224,000,000.00
lt 1 bs 3 pp 1	165,078,000,000.00	330,156,000,000.00
lt 1 bs 3 pp 2	304,084,000,000.00	304,084,000,000.00
lt 2 bs 1 pp 1	156,192,000,000.00	312,384,000,000.00
lt 2 bs 1 pp 2	303,064,000,000.00	303,064,000,000.00
lt 2 bs 2 pp 1	158,928,000,000.00	317,856,000,000.00
lt 2 bs 2 pp 2	299,588,000,000.00	299,588,000,000.00
lt 2 bs 3 pp 1	160,690,000,000.00	321,380,000,000.00
lt 2 bs 3 pp 2	298,394,000,000.00	298,394,000,000.00
lt 4 bs 1 pp 1	162,604,000,000.00	325,208,000,000.00
lt 4 bs 1 pp 2	316,458,000,000.00	316,458,000,000.00
lt 4 bs 2 pp 1	143,994,000,000.00	287,988,000,000.00
lt 4 bs 2 pp 2	301,806,000,000.00	301,806,000,000.00
lt 4 bs 3 pp 1	143,558,000,000.00	287,116,000,000.00
lt 4 bs 3 pp 2	309,154,000,000.00	309,154,000,000.00

Tabel L2 – 70  
Rangkuman Perhitungan Nilai *Bullwhip Effect* Hasil Simulasi dengan Metode  
*Periodic Review Policy*

TRIAL	Bullwhip Effect	TRIAL	Bullwhip Effect	TRIAL	Bullwhip Effect
LT 5 SF 1.29 PP 5	3.95	LT 10 SF 1.29 PP 5	5.83	LT 20 SF 1.29 PP 5	8.88
LT 5 SF 1.29 PP 10	2.00	LT 10 SF 1.29 PP 10	14.84	LT 20 SF 1.29 PP 10	24.42
LT 5 SF 1.65 PP 5	3.64	LT 10 SF 1.65 PP 5	5.17	LT 20 SF 1.65 PP 5	5.12
<b>LT 5 SF 1.65 PP 10</b>	<b>1.50</b>	LT 10 SF 1.65 PP 10	10.24	LT 20 SF 1.65 PP 10	37.37

Keterangan :

LT = *Lead Time* (hari)

SF = *Safety Factor*

PP = *Periode Pemesanan* (hari)

Tabel L2 – 71  
Perhitungan *Bullwhip Effect* Hasil Simulasi

No	Total Pemesanan dari MD ke Pabrik (Q)	Total Pemesanan dari dealer ke MD (D)
1	15086	17220
2	17785	17754
3	19838	14677
4	19661	13844
5	15482	15446
6	12353	10329
7	13939	17115
8	11011	16298
9	13508	16371
10	16786	16029
11	18957	17183
12	18118	16041
13	17576	15960
14	17045	14977
15	16625	15666
16	15726	15589
17	16114	13765
18	16926	15518
19	15386	14684
20	15280	16052
21	15740	15763
VAR	5,019,100.19	2,507,562.9
Nilai BE	Var Q / VarD	2..00

Tabel L2 – 72  
Tabel Perhitungan Persediaan Berdasarkan Hasil Simulasi dengan Menggunakan Metode *Periodic Review Policy*

TRIAL	Ambon	Bandung	Denpasar	Kupang	Jayapura	Jakarta	Medan	Padang	Palangkaraya	Palu	Surabaya	Ternate	DI Yogyakarta	Total
LT 5 SF 1.29 PP 5	134.1	2463.77	1068.03	218.22	489.82	2606.67	2399.28	397.45	298.81	308.29	4112.48	219.53	1011.43	15727.88
LT 5 SF 1.29 PP 10	79.79	1133.27	601.35	146.95	416.51	1271.08	1149.61	127.06	101.18	129.59	2352.9	82.63	533.98	8125.9
LT 5 SF 1.65 PP 5	134.1	2560.34	1025.7	389.01	496.43	2693.78	2714.64	447.56	298.81	255.69	4574.33	219.53	1055.56	16865.48
LT 5 SF 1.65 PP 10	73.47	1190.63	529.41	127.43	495.8	1302.09	1249.71	133.55	73.13	133.68	2285.77	52.14	625.87	8272.68
														0
LT 10 SF 1.29 PP 5	279.52	4277.74	1739.57	510.22	1408.87	5311.98	3887.62	1238.15	428.04	640.03	7293.82	467.29	1875.82	29358.67
LT 10 SF 1.29 PP 10	161.39	2109.15	836.32	268.74	532.54	3229.69	2052.75	246.07	203.06	246.41	4562.69	213.98	753.39	15416.18
LT 10 SF 1.65 PP 5	259.07	4437.55	1591.36	468.61	1048.53	5220.76	4712.17	1216.27	388.88	640.03	8086.74	510.95	1862.61	30443.53
LT 10 SF 1.65 PP 10	152.7	2028.63	1332.38	304.69	643.55	3059.18	2285.89	395.47	235.17	312.28	4593.26	240.97	818.65	16402.82
														0
LT 20 SF 1.29 PP 5	676.38	13933.6	4419.79	1791.95	3384.07	12726.6	24576.1	3173.07	1230.18	2207.87	24521.3	1187.04	5911.51	99739.46
LT 20 SF 1.29 PP 10	382.4	7455.45	2079.67	832.22	2144.27	7914.4	5814.35	1751.02	439.34	1288.46	10361.4	541.54	2235.16	43239.68
LT 20 SF 1.65 PP 5	676.38	13783.8	4583.5	1814.43	3384.07	11457	35995.9	3524.26	1289.92	2263.5	27604.3	1187.04	5972.38	113536.48
LT 20 SF 1.65 PP 10	382.4	6689.54	2135.41	925.25	2215.6	7267.52	6319.64	1726.72	440.8	1349.57	10021.5	541.54	2177.03	42192.52

Tabel L2 – 73

Tabel Perhitungan Biaya Persediaan Berdasarkan Hasil Simulasi Menggunakan Metode *Periodic Review Policy*

TRIAL	Ambon	Bandung	Denpasar	Kupang	Jayapura	Jakarta	Medan
LT 5 SF 1.29 PP 5	4,742,175.19	86,501,040.88	37,762,670.91	7,716,908.79	17,702,248.88	91,150,735.97	84,832,593.58
LT 5 SF 1.29 PP 10	2,821,611.92	39,788,224.79	21,262,120.12	5,196,589.44	15,052,802.42	44,447,466.49	40,647,360.00
LT 5 SF 1.65 PP 5	4,742,175.19	89,891,538.17	36,265,995.86	13,756,551.59	17,941,136.36	94,196,821.82	95,982,941.48
LT 5 SF 1.65 PP 10	2,598,117.90	41,802,089.60	18,718,515.03	4,506,304.13	17,918,367.96	45,531,832.49	44,186,647.88
LT 10 SF 1.29 PP 5	9,884,659.27	150,188,111.15	61,506,520.82	18,042,898.01	50,917,004.98	185,750,741.93	137,456,606.75
LT 10 SF 1.29 PP 10	5,707,230.82	74,050,609.58	29,570,027.94	9,503,446.38	19,246,163.12	112,936,666.50	72,580,151.74
LT 10 SF 1.65 PP 5	9,161,486.39	155,798,915.46	56,266,213.48	16,571,444.55	37,894,204.03	182,560,936.49	166,610,650.89
LT 10 SF 1.65 PP 10	5,399,926.55	71,223,615.25	47,109,376.58	10,774,745.39	23,258,099.44	106,974,227.06	80,823,404.24
LT 20 SF 1.29 PP 5	23,918,810.23	489,197,816.01	156,271,898.04	63,368,686.23	122,301,354.30	445,027,163.54	868,949,977.91
LT 20 SF 1.29 PP 10	13,522,802.32	261,755,027.95	73,531,542.95	29,429,776.53	77,494,592.31	276,752,862.75	205,581,003.66
LT 20 SF 1.65 PP 5	23,918,810.23	483,938,454.98	162,060,243.74	64,163,645.95	122,301,354.30	400,631,450.09	1,272,725,799.04
LT 20 SF 1.65 PP 10	13,522,802.32	234,864,525.90	75,502,359.57	32,719,594.26	80,072,480.94	254,132,589.35	223,446,805.57

Tabel L2 – 73 (lanjutan)  
Tabel Perhitungan Biaya Persediaan Berdasarkan Hasil Simulasi dengan Menggunakan Metode *Periodic Review Policy*

TRIAL	Padang	Palangkaraya	Palu	Surabaya	Ternate	DI Yogyakarta	Total
LT 5 SF 1.29 PP 5	14,180,170.98	10,893,036.55	10,929,776.91	144,027,685.15	7,763,234.29	36,085,671.99	554,287,950.07
LT 5 SF 1.29 PP 10	4,533,230.66	3,688,489.13	4,594,342.31	82,403,498.72	2,922,042.77	19,051,271.10	286,409,049.86
LT 5 SF 1.65 PP 5	15,967,989.24	10,893,036.55	9,064,953.97	160,202,641.97	7,763,234.29	37,660,136.57	594,329,153.04
LT 5 SF 1.65 PP 10	4,764,780.06	2,665,934.08	4,739,344.70	80,052,465.15	1,843,825.61	22,329,710.93	291,657,935.53
LT 10 SF 1.29 PP 5	44,174,559.56	15,604,080.73	22,690,924.51	255,444,892.26	16,524,765.42	66,925,269.41	1,035,111,034.79
LT 10 SF 1.29 PP 10	8,779,254.43	7,402,496.57	8,735,950.99	159,794,984.72	7,566,969.77	26,879,353.41	542,753,305.96
LT 10 SF 1.65 PP 5	43,393,927.68	14,176,513.68	22,690,924.51	283,214,615.67	18,068,712.98	66,453,964.69	1,072,862,510.50
LT 10 SF 1.65 PP 10	14,109,528.79	8,573,057.81	11,071,234.02	160,865,610.32	8,521,416.51	29,207,691.46	577,911,933.43
LT 20 SF 1.29 PP 5	113,208,391.31	44,845,874.30	78,275,411.32	858,787,416.83	41,977,267.95	210,910,108.30	3,517,040,176.28
LT 20 SF 1.29 PP 10	62,472,670.74	16,016,019.13	45,679,653.45	362,877,985.29	19,150,466.44	79,745,756.61	1,524,010,160.14
LT 20 SF 1.65 PP 5	125,738,103.85	47,023,679.61	80,247,656.57	966,760,550.65	41,977,267.95	213,081,820.48	4,004,568,837.43
LT 20 SF 1.65 PP 10	61,605,698.41	16,069,243.03	47,846,180.64	350,973,973.56	19,150,466.44	77,671,801.80	1,487,578,521.79

Tabel L2 – 74

Tabel Perhitungan *Backorder* Berdasarkan Hasil Simulasi dengan Menggunakan Metode *Periodic Review Policy*

TRIAL	Ambon	Bandung	Denpasar	Kupang	Jayapura	Jakarta	Medan	Padang	Palangkaraya	Palu	Surabaya	Ternate	DI Yogyakarta	Total
LT 5 SF 1.29 PP 5	-18.26	-51.46	-77.48	-28.42	-46.17	-65.84	0	-34.68	-37.92	-35.37	-6.92	-35.28	-24.59	-462.39
LT 5 SF 1.29 PP 10	-29.29	-601.94	-117.12	-37.49	-102.42	-459.91	-112.08	-94.27	-57.2	-68.14	-384.3	-44.44	-202.42	-2311.02
LT 5 SF 1.65 PP 5	-18.26	-47.15	-68.99	-41.43	-33.91	-23.74	0	-25.18	-37.92	-11.41	-60.64	-35.28	-24.62	-428.53
LT 5 SF 1.65 PP 10	-37.42	-563.59	-129.55	-44.02	-106.62	-412.57	-81.49	-93.84	-37.28	-68.14	-298.36	-51.69	-186.73	-2111.3
LT 10 SF 1.29 PP 5	-10.53	-49.63	-77.17	-6.83	-56.8	-88.06	-36	-48.35	-22.6	-24.99	-76	-23.59	-26.34	-546.89
LT 10 SF 1.29 PP 10	-37.03	-260.47	-40.79	-14.15	-50.25	-327.29	-65.22	-72.23	-46.44	-55.19	-214.43	-27.39	-100.25	-1311.13
LT 10 SF 1.65 PP 5	-5	-16.71	-76.69	-7	-16.2	-78.59	-36	-50.97	-18.48	-24.99	-72.45	-17.33	-23.26	-443.67
LT 10 SF 1.65 PP 10	-34.81	-163.24	-77.42	-28.54	-43.88	-310.92	-67.89	-99.72	-59.2	-37.32	-170.92	-43.9	-66.44	-1204.2
LT 20 SF 1.29 PP 5	-10.53	-87.91	-52	-56	-12.72	-16	-44	-46	-14.62	-21.55	-54	-28	-20	-463.33
LT 20 SF 1.29 PP 10	-20.52	-422.84	-28.57	-43.12	-82.46	-198.01	-44	-53.89	-14.07	-35.81	-54	-42.86	-34.96	-1075.11
LT 20 SF 1.65 PP 5	-10.53	-50.21	-52	-56	-12.72	-16	-44	-43.97	-14.62	-14	-54	-28	-20	-416.05
LT 20 SF 1.65 PP 10	-20.52	-309.12	-70.08	-40.46	-81.52	-156.95	-44	-50.64	-14.07	-32.91	-54	-42.86	-27.31	-944.44

Tabel L2 – 75

Biaya Pengiriman Hasil Simulasi Menggunakan Metode *Periodic Review Policy* dengan *Lead Time* 5 Hari, *Safety Factor* 1.29, Periode Pemesanan 5 Hari

Kota	Total Pengiriman	Rata-rata Pengiriman/ periode	B. Pengiriman/ Truk (Rp)	Total B. Pengiriman (Rp)
Ambon	2,213	56	50,000,000.00	2,800,000,000.00
Bandung	69,249	1,732	8,000,000.00	13,856,000,000.00
Denpasar	17,154	429	24,000,000.00	10,296,000,000.00
Jayapura	4,733	119	64,000,000.00	7,616,000,000.00
Jakarta	6,940	174	4,000,000.00	696,000,000.00
Kupang	68,798	1,720	52,000,000.00	89,440,000,000.00
Medan	51,107	1,278	42,000,000.00	53,676,000,000.00
Padang	8,406	211	28,000,000.00	5,908,000,000.00
Palangkaraya	3,222	81	36,000,000.00	2,916,000,000.00
Palu	5,106	128	38,000,000.00	4,864,000,000.00
Surabaya	82,458	2,062	16,000,000.00	32,992,000,000.00
Ternate	3,127	79	52,000,000.00	4,108,000,000.00
DI Yogyakarta	25,243	632	12,000,000.00	7,584,000,000.00
			Total	236,752,000,000.00

Tabel L2 – 76

Biaya Pengiriman Hasil Simulasi Menggunakan Metode *Periodic Review Policy* dengan *Lead Time* 5 Hari, *Safety Factor* 1.29, Periode Pemesanan 10 Hari

Kota	Total Pengiriman	Rata-rata Pengiriman/ periode	B. Pengiriman/ Truk (Rp)	Total B. Pengiriman (Rp)
Ambon	2,036	97	50,000,000.00	4,850,000,000.00
Bandung	67,371	3,209	8,000,000.00	25,672,000,000.00
Denpasar	16,477	785	24,000,000.00	18,840,000,000.00
Jayapura	3,861	184	64,000,000.00	11,776,000,000.00
Jakarta	6,658	318	4,000,000.00	1,272,000,000.00
Kupang	68,034	3,240	52,000,000.00	168,480,000,000.00
Medan	50,650	2,412	42,000,000.00	101,304,000,000.00
Padang	8,882	423	28,000,000.00	11,844,000,000.00
Palangkaraya	3,018	144	36,000,000.00	5,184,000,000.00
Palu	4,903	234	38,000,000.00	8,892,000,000.00
Surabaya	81,100	3,862	16,000,000.00	61,792,000,000.00
Ternate	3,033	145	52,000,000.00	7,540,000,000.00
DI Yogyakarta	22,919	1,092	12,000,000.00	13,104,000,000.00
			Total	440,550,000,000.00



Tabel L2 – 77

Biaya Pengiriman Hasil Simulasi Menggunakan Metode *Periodic Review Policy* dengan *Lead Time* 5 Hari, *Safety Factor* 1.65, Periode Pemesanan 5 Hari

Kota	Total Pengiriman	Rata-rata Pengiriman/ periode	B. Pengiriman/ Truk (Rp)	Total B. Pengiriman (Rp)
Ambon	2,253	57	50,000,000.00	2,850,000,000.00
Bandung	68,440	1,711	8,000,000.00	13,688,000,000.00
Denpasar	18,408	461	24,000,000.00	11,064,000,000.00
Jayapura	4,548	114	64,000,000.00	7,296,000,000.00
Jakarta	6,861	172	4,000,000.00	688,000,000.00
Kupang	67,689	1,693	52,000,000.00	88,036,000,000.00
Medan	50,873	1,272	42,000,000.00	53,424,000,000.00
Padang	8,531	214	28,000,000.00	5,992,000,000.00
Palangkaraya	3,342	84	36,000,000.00	3,024,000,000.00
Palu	5,352	134	38,000,000.00	5,092,000,000.00
Surabaya	83,488	2,088	16,000,000.00	33,408,000,000.00
Ternate	3,247	82	52,000,000.00	4,264,000,000.00
DI Yogyakarta	25,172	630	12,000,000.00	7,560,000,000.00
			Total	236,386,000,000.00

Tabel L2 – 78

Biaya Pengiriman Hasil Simulasi Menggunakan Metode *Periodic Review Policy* dengan *Lead Time* 5 Hari, *Safety Factor* 1.65, Periode Pemesanan 10 Hari

Kota	Total Pengiriman	Rata-rata Pengiriman/ periode	B. Pengiriman/ Truk (Rp)	Total B. Pengiriman (Rp)
Ambon	2,137	102	50,000,000.00	5,100,000,000.00
Bandung	67,623	3,221	8,000,000.00	25,768,000,000.00
Denpasar	18,086	862	24,000,000.00	20,688,000,000.00
Jayapura	3,889	186	64,000,000.00	11,904,000,000.00
Jakarta	6,528	311	4,000,000.00	1,244,000,000.00
Kupang	68,181	3,247	52,000,000.00	168,844,000,000.00
Medan	51,175	2,437	42,000,000.00	102,354,000,000.00
Padang	8,903	424	28,000,000.00	11,872,000,000.00
Palangkaraya	2,845	136	36,000,000.00	4,896,000,000.00
Palu	4,882	233	38,000,000.00	8,854,000,000.00
Surabaya	83,536	3,978	16,000,000.00	63,648,000,000.00
Ternate	3,238	155	52,000,000.00	8,060,000,000.00
DI Yogyakarta	21,323	1,016	12,000,000.00	12,192,000,000.00
			Total	445,424,000,000.00

Tabel L2 – 79

Biaya Pengiriman Hasil Simulasi Menggunakan Metode *Periodic Review Policy* dengan *Lead Time* 10 Hari, *Safety Factor* 1.29, Periode Pemesanan 5 Hari

Kota	Total Pengiriman	Rata-rata Pengiriman/ periode	B. Pengiriman/ Truk (Rp)	Total B. Pengiriman (Rp)
Ambon	1,721	44	50,000,000.00	2,200,000,000.00
Bandung	75,162	1,880	8,000,000.00	15,040,000,000.00
Denpasar	17,361	435	24,000,000.00	10,440,000,000.00
Jayapura	4,038	101	64,000,000.00	6,464,000,000.00
Jakarta	6,148	154	4,000,000.00	616,000,000.00
Kupang	73,997	1,850	52,000,000.00	96,200,000,000.00
Medan	52,293	1,308	42,000,000.00	54,936,000,000.00
Padang	9,205	231	28,000,000.00	6,468,000,000.00
Palangkaraya	2,684	68	36,000,000.00	2,448,000,000.00
Palu	5,071	127	38,000,000.00	4,826,000,000.00
Surabaya	77,564	1,940	16,000,000.00	31,040,000,000.00
Ternate	3,324	84	52,000,000.00	4,368,000,000.00
DI Yogyakarta	24,236	606	12,000,000.00	7,272,000,000.00
			Total	242,318,000,000.00

Tabel L2 – 80

Biaya Pengiriman Hasil Simulasi Menggunakan Metode *Periodic Review Policy* dengan *Lead Time* 10 Hari, *Safety Factor* 1.29, Periode Pemesanan 10 Hari

Kota	Total Pengiriman	Rata-rata Pengiriman/ periode	B. Pengiriman/ Truk (Rp)	Total B. Pengiriman (Rp)
Ambon	1,574	75	50,000,000.00	3,750,000,000.00
Bandung	64,314	3,063	8,000,000.00	24,504,000,000.00
Denpasar	17,415	830	24,000,000.00	19,920,000,000.00
Jayapura	3,809	182	64,000,000.00	11,648,000,000.00
Jakarta	6,073	290	4,000,000.00	1,160,000,000.00
Kupang	62,018	2,954	52,000,000.00	153,608,000,000.00
Medan	49,177	2,342	42,000,000.00	98,364,000,000.00
Padang	9,029	430	28,000,000.00	12,040,000,000.00
Palangkaraya	2,829	135	36,000,000.00	4,860,000,000.00
Palu	5,164	246	38,000,000.00	9,348,000,000.00
Surabaya	80,175	3,818	16,000,000.00	61,088,000,000.00
Ternate	2,771	132	52,000,000.00	6,864,000,000.00
DI Yogyakarta	24,515	1,168	12,000,000.00	14,016,000,000.00
			Total	421,170,000,000.00

Tabel L2 – 81

Biaya Pengiriman Hasil Simulasi Menggunakan Metode *Periodic Review Policy* dengan *Lead Time* 10 Hari, *Safety Factor* 1.65, Periode Pemesanan 5 Hari

Kota	Total Pengiriman	Rata-rata Pengiriman/ periode	B. Pengiriman/ Truk (Rp)	Total B. Pengiriman (Rp)
Ambon	1,812	46	50,000,000.00	2,300,000,000.00
Bandung	74,033	1,851	8,000,000.00	14,808,000,000.00
Denpasar	18,104	453	24,000,000.00	10,872,000,000.00
Jayapura	4,109	103	64,000,000.00	6,592,000,000.00
Jakarta	6,769	170	4,000,000.00	680,000,000.00
Kupang	68,780	1,720	52,000,000.00	89,440,000,000.00
Medan	48,882	1,223	42,000,000.00	51,366,000,000.00
Padang	9,345	234	28,000,000.00	6,552,000,000.00
Palangkaraya	2,761	70	36,000,000.00	2,520,000,000.00
Palu	5,351	134	38,000,000.00	5,092,000,000.00
Surabaya	80,014	2,001	16,000,000.00	32,016,000,000.00
Ternate	3,290	83	52,000,000.00	4,316,000,000.00
DI Yogyakarta	23,270	582	12,000,000.00	6,984,000,000.00
			Total	233,538,000,000.00

Tabel L2 – 82

Biaya Pengiriman Hasil Simulasi Menggunakan Metode *Periodic Review Policy* dengan *Lead Time* 10 Hari, *Safety Factor* 1.65, Periode Pemesanan 10 Hari

Kota	Total Pengiriman	Rata-rata Pengiriman/ periode	B. Pengiriman/ Truk (Rp)	Total B. Pengiriman (Rp)
Ambon	2,012	96	50,000,000.00	4,800,000,000.00
Bandung	66,636	3,174	8,000,000.00	25,392,000,000.00
Denpasar	14,136	674	24,000,000.00	16,176,000,000.00
Jayapura	3,241	155	64,000,000.00	9,920,000,000.00
Jakarta	6,336	302	4,000,000.00	1,208,000,000.00
Kupang	66,014	3,144	52,000,000.00	163,488,000,000.00
Medan	48,928	2,330	42,000,000.00	97,860,000,000.00
Padang	9,336	445	28,000,000.00	12,460,000,000.00
Palangkaraya	2,438	117	36,000,000.00	4,212,000,000.00
Palu	5,364	256	38,000,000.00	9,728,000,000.00
Surabaya	77,840	3,707	16,000,000.00	59,312,000,000.00
Ternate	2,526	121	52,000,000.00	6,292,000,000.00
DI Yogyakarta	23,255	1,108	12,000,000.00	13,296,000,000.00
			Total	424,144,000,000.00

Tabel L2 – 83

Biaya Pengiriman Hasil Simulasi Menggunakan Metode *Periodic Review Policy* dengan *Lead Time* 20 Hari, *Safety Factor* 1.29, Periode Pemesanan 5 Hari

Kota	Total Pengiriman	Rata-rata Pengiriman/ periode	B. Pengiriman/ Truk (Rp)	Total B. Pengiriman (Rp)
Ambon	1,761	45	50,000,000.00	2,250,000,000.00
Bandung	61,545	1,539	8,000,000.00	12,312,000,000.00
Denpasar	14,844	372	24,000,000.00	8,928,000,000.00
Jayapura	3,650	92	64,000,000.00	5,888,000,000.00
Jakarta	6,875	172	4,000,000.00	688,000,000.00
Kupang	54,558	1,364	52,000,000.00	70,928,000,000.00
Medan	46,120	1,153	42,000,000.00	48,426,000,000.00
Padang	8,459	212	28,000,000.00	5,936,000,000.00
Palangkaraya	2,602	66	36,000,000.00	2,376,000,000.00
Palu	4,396	110	38,000,000.00	4,180,000,000.00
Surabaya	57,564	1,440	16,000,000.00	23,040,000,000.00
Ternate	2,569	65	52,000,000.00	3,380,000,000.00
DI Yogyakarta	16,891	423	12,000,000.00	5,076,000,000.00
			Total	193,408,000,000.00

Tabel L2 – 84

Biaya Pengiriman Hasil Simulasi Menggunakan Metode *Periodic Review Policy* dengan *Lead Time* 20 Hari, *Safety Factor* 1.29, Periode Pemesanan 10 Hari

Kota	Total Pengiriman	Rata-rata Pengiriman/ periode	B. Pengiriman/ Truk (Rp)	Total B. Pengiriman (Rp)
Ambon	1,352	65	50,000,000.00	3,250,000,000.00
Bandung	67,904	3,234	8,000,000.00	25,872,000,000.00
Denpasar	20,421	973	24,000,000.00	23,352,000,000.00
Jayapura	4,633	221	64,000,000.00	14,144,000,000.00
Jakarta	6,034	288	4,000,000.00	1,152,000,000.00
Kupang	70,142	3,341	52,000,000.00	173,732,000,000.00
Medan	47,214	2,249	42,000,000.00	94,458,000,000.00
Padang	9,118	435	28,000,000.00	12,180,000,000.00
Palangkaraya	3,410	163	36,000,000.00	5,868,000,000.00
Palu	5,897	281	38,000,000.00	10,678,000,000.00
Surabaya	62,758	2,989	16,000,000.00	47,824,000,000.00
Ternate	3,486	166	52,000,000.00	8,632,000,000.00
DI Yogyakarta	22,321	1,063	12,000,000.00	12,756,000,000.00
			Total	433,898,000,000.00

Tabel L2 – 85

Biaya Pengiriman Hasil Simulasi Menggunakan Metode *Periodic Review Policy* dengan *Lead Time* 20 Hari, *Safety Factor* 1.65, Periode Pemesanan 5

Kota	Total Pengiriman	Rata-rata Pengiriman/ periode	B. Pengiriman/ Truk (Rp)	Total B. Pengiriman (Rp)
Ambon	1,841	47	50,000,000.00	2,350,000,000.00
Bandung	52,070	1,302	8,000,000.00	10,416,000,000.00
Denpasar	13,065	327	24,000,000.00	7,848,000,000.00
Jayapura	3,930	99	64,000,000.00	6,336,000,000.00
Jakarta	7,344	184	4,000,000.00	736,000,000.00
Kupang	58,916	1,473	52,000,000.00	76,596,000,000.00
Medan	59,000	1,475	42,000,000.00	61,950,000,000.00
Padang	8,089	203	28,000,000.00	5,684,000,000.00
Palangkaraya	2,658	67	36,000,000.00	2,412,000,000.00
Palu	4,818	121	38,000,000.00	4,598,000,000.00
Surabaya	46,763	1,170	16,000,000.00	18,720,000,000.00
Ternate	2,769	70	52,000,000.00	3,640,000,000.00
DI Yogyakarta	17,451	437	12,000,000.00	5,244,000,000.00
			Total	206,530,000,000.00

Tabel L2 – 86

Biaya Pengiriman Hasil Simulasi Menggunakan Metode *Periodic Review Policy* dengan *Lead Time* 20 Hari, *Safety Factor* 1.65, Periode Pemesanan 10

Kota	Total Pengiriman	Rata-rata Pengiriman/ periode	B. Pengiriman/ Truk (Rp)	Total B. Pengiriman (Rp)
Ambon	1,394	67	50,000,000.00	3,350,000,000.00
Bandung	72,270	3,442	8,000,000.00	27,536,000,000.00
Denpasar	18,727	892	24,000,000.00	21,408,000,000.00
Jayapura	4,444	212	64,000,000.00	13,568,000,000.00
Jakarta	5,936	283	4,000,000.00	1,132,000,000.00
Kupang	74,278	3,538	52,000,000.00	183,976,000,000.00
Medan	42,247	2,012	42,000,000.00	84,504,000,000.00
Padang	9,160	437	28,000,000.00	12,236,000,000.00
Palangkaraya	3,515	168	36,000,000.00	6,048,000,000.00
Palu	5,855	279	38,000,000.00	10,602,000,000.00
Surabaya	69,731	3,321	16,000,000.00	53,136,000,000.00
Ternate	3,591	171	52,000,000.00	8,892,000,000.00
DI Yogyakarta	23,156	1,103	12,000,000.00	13,236,000,000.00
			Total	439,624,000,000.00

Tabel L2 – 87  
Rangkuman Biaya Pengiriman dari Pabrik ke *Main Dealer* Menggunakan Rumus  
di PT X

Alternatif	Total Biaya Pengiriman/periode	Total Biaya Pengiriman/2 minggu
lt 1 sf 1.29 pp 1	236,752,000,000.00	473,504,000,000.00
lt 1 sf 1.29 pp 2	440,550,000,000.00	440,550,000,000.00
lt 1 sf 1.65 pp 1	236,386,000,000.00	472,772,000,000.00
lt 1 sf 1.65 pp 2	445,424,000,000.00	445,424,000,000.00
lt 2 sf 1.29 pp 1	242,318,000,000.00	484,636,000,000.00
lt 2 sf 1.29 pp 2	421,170,000,000.00	421,170,000,000.00
lt 2 sf 1.65 pp 1	233,538,000,000.00	467,076,000,000.00
lt 2 sf 1.65 pp 2	424,144,000,000.00	424,144,000,000.00
lt 4 sf 1.29 pp 1	193,408,000,000.00	386,816,000,000.00
lt 4 sf 1.29 pp 2	433,898,000,000.00	433,898,000,000.00
lt 4 sf 1.65 pp 1	206,530,000,000.00	413,060,000,000.00
lt 4 sf 1.65 pp 2	439,624,000,000.00	439,624,000,000.00

Tabel L2 – 88  
Rangkuman Nilai *Bullwhip Effect*, Total *Stock*, Biaya Simpan, dan Total *Backorder* Menggunakan Rumus yang Digunakan Perusahaan

Alternatif Rumus yang Digunakan Perusahaan	Bullwhip Effect	Stock	Biaya Simpan/2 minggu	Total Biaya Pengiriman/ 2 minggu	Total Biaya	Backorder
LT 5 BS 1 PP 5	3.84	10,467.32	369,275,140.87	322,620,000,000.00	322,989,275,140.87	-1,677.50
LT 5 BS 1 PP 10	1.43	<b>3,514.51</b>	<b>123,982,673.49</b>	304,084,000,000.00	304,207,982,673.49	-8,688.06
LT 5 BS 2 PP 5	3.57	10,507.42	370,264,849.33	325,208,000,000.00	325,578,264,849.33	-1,228.69
LT 5 BS 2 PP 10	<b>1.42</b>	3,896.53	137,507,068.75	302,224,000,000.00	302,361,507,068.75	-7,553.48
LT 5 BS 3 PP 5	2.89	11,375.82	401,236,272.54	330,156,000,000.00	330,557,236,272.54	<b>-838.91</b>
LT 5 BS 3 PP 10	1.47	4,388.90	154,841,376.71	304,084,000,000.00	304,238,841,376.71	-6,419.28
LT 10 BS 1 PP 5	7.58	18,486.05	652,285,644.95	312,384,000,000.00	313,036,285,644.95	-2,444.88
LT 10 BS 1 PP 10	7.43	6,568.58	231,659,892.64	303,064,000,000.00	303,295,659,892.64	-9,300.40
LT 10 BS 2 PP 5	4.60	15,954.24	563,504,782.40	317,856,000,000.00	318,419,504,782.40	-1,561.30
LT 10 BS 2 PP 10	4.10	6,434.75	226,774,967.75	299,588,000,000.00	299,814,774,967.75	-8,196.24
LT 10 BS 3 PP 5	4.80	16,258.27	573,421,122.36	321,380,000,000.00	321,953,421,122.36	-1,166.40
LT 10 BS 3 PP 10	2.00	6,703.96	236,183,211.32	298,394,000,000.00	298,630,183,211.32	-6,863.09
LT 20 BS 1 PP 5	11.94	39,865.04	1,408,630,526.10	325,208,000,000.00	326,616,630,526.10	-3,906.16
LT 20 BS 1 PP 10	67.00	20,001.08	705,966,056.68	316,458,000,000.00	317,163,966,056.68	-11,677.43
LT 20 BS 2 PP 5	5.95	37,773.26	1,334,666,996.24	287,988,000,000.00	289,322,666,996.24	-2,735.50
LT 20 BS 2 PP 10	67.98	18,655.50	658,315,020.03	301,806,000,000.00	302,464,315,020.03	-10,440.75
LT 20 BS 3 PP 5	3.59	36,412.85	1,285,777,201.03	<b>287,116,000,000.00</b>	<b>288,401,777,201.03</b>	-1,589.72
LT 20 BS 3 PP 10	41.31	16,777.23	592,319,865.28	309,154,000,000.00	309,746,319,865.28	-8,888.07

Tabel L2 – 89

Rangkuman Nilai *Bullwhip Effect*, Total *Stock*, Biaya Simpan, dan Total *Backorder* Menggunakan Rumus yang Diusulkan Peneliti

Alternatif Rumus Usulan	Bullwhip Effect	Stock	Biaya Simpan/2 minggu	Total Biaya Pengiriman/ 2 minggu	Total Biaya	Backorder
LT 5 SF 1.29 PP 5	3.95	15,727.88	554,287,950.07	473,504,000,000.00	474,058,287,950.07	-462.39
LT 5 SF 1.29 PP 10	2.00	<b>8,125.90</b>	<b>286,409,049.86</b>	440,550,000,000.00	440,836,409,049.86	-2,311.02
LT 5 SF 1.65 PP 5	3.64	16,865.48	594,329,153.04	472,772,000,000.00	473,366,329,153.04	<b>-428.53</b>
LT 5 SF 1.65 PP 10	<b>1.50</b>	8,272.68	291,657,935.53	445,424,000,000.00	445,715,657,935.53	-2,111.30
LT 10 SF 1.29 PP 5	5.83	29,358.67	1,035,111,034.79	484,636,000,000.00	485,671,111,034.79	-546.89
LT 10 SF 1.29 PP 10	14.84	15,416.18	542,753,305.96	421,170,000,000.00	421,712,753,305.96	-1,311.13
LT 10 SF 1.65 PP 5	5.17	30,443.53	1,072,862,510.50	467,076,000,000.00	468,148,862,510.50	-443.67
LT 10 SF 1.65 PP 10	10.24	16,402.82	577,911,933.43	424,144,000,000.00	424,721,911,933.43	-1,204.20
LT 20 SF 1.29 PP 5	8.88	99,739.46	3,517,040,176.28	386,816,000,000.00	<b>390,333,040,176.28</b>	-463.33
LT 20 SF 1.29 PP 10	24.42	43,239.68	1,524,010,160.14	433,898,000,000.00	435,422,010,160.14	-1,075.11
LT 20 SF 1.65 PP 5	5.12	113,536.48	4,004,568,837.43	<b>413,060,000,000.00</b>	417,064,568,837.43	-416.05
LT 20 SF 1.65 PP 10	37.37	42,192.52	1,487,578,521.79	439,624,000,000.00	441,111,578,521.80	-944.44