

BAB VI

KESIMPULAN DAN SARAN

6.1 Kesimpulan

Dari hasil pengolahan dan analisa data, maka dapat ditarik kesimpulan sebagai berikut :

1. Data demand produksi diramalkan dengan metode Single Moving Average 3 bulan dengan hasil peramalan pada masing-masing bulan Januari, Februari, Maret, April, Mei, Juni, Juli, Agustus, September, Oktober, Nopember, Desember adalah 62.607,09; 61.635,13; 71.533,14; 76.571,39; 77.261,00; 60.062,48; 66.913,14; 48.867,69; 42.283,78; 29.28277; 32.555,58; 34.707,38 (sckm). Terlihat bahwa terjadi kenaikan produksi pada bulan Maret, April, dan Mei.

2. Setelah dilakukan uji verifikasi peramalan, dengan menggunakan metode Single Moving Average menghasilkan nilai $UCL = 58.310,98$ dan $LCL = -58.310,98$, dan tak ada satu titik pun yang keluar garis batas kontrol
3. Berdasarkan uji kesalahan yang memperhitungkan rata-rata persentase kesalahan absolut (MAPE) adalah sebesar 26%.
4. Kapasitas perusahaan diketahui sebesar 705.108 sckm / tahun sedangkan data permintaan sebesar 690.687,08 sckm / tahun berarti permintaan masih jauh lebih rendah kapasitas produksi.

Ongkos strategi mengadakan persediaan Rp 52.936.877 / tahun.

Ongkos strategi mengadakan over time = Rp 405.574.036 / tahun

Maka strategi yang digunakan adalah mengadakan persediaan.

5. Metode Hax and Meal digunakan untuk membuat JIP yang layak mengingat bahwa perusahaan merupakan jenis multi produk.

6.2 Saran-saran

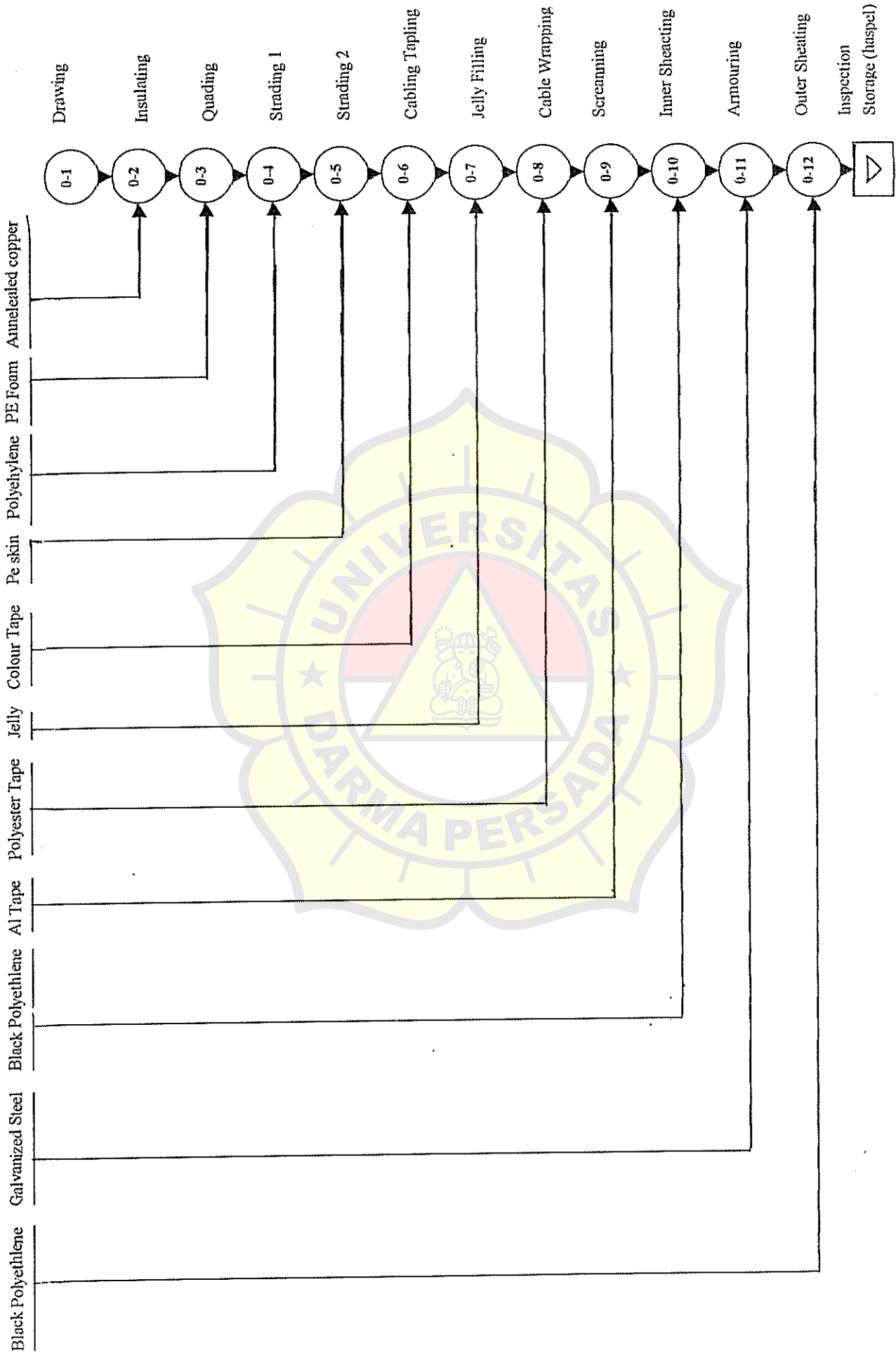
1. Metode perencanaan produksi agregat secara grafis dapat diterapkan karena metode ini mudah dipahami dan tidak menyimpang dari kebijakan perusahaan, sedangkan sebagai kelanjutannya perusahaan dapat melakukan proses disagregasi untuk menjadwalkan produksi pada tingkat item.

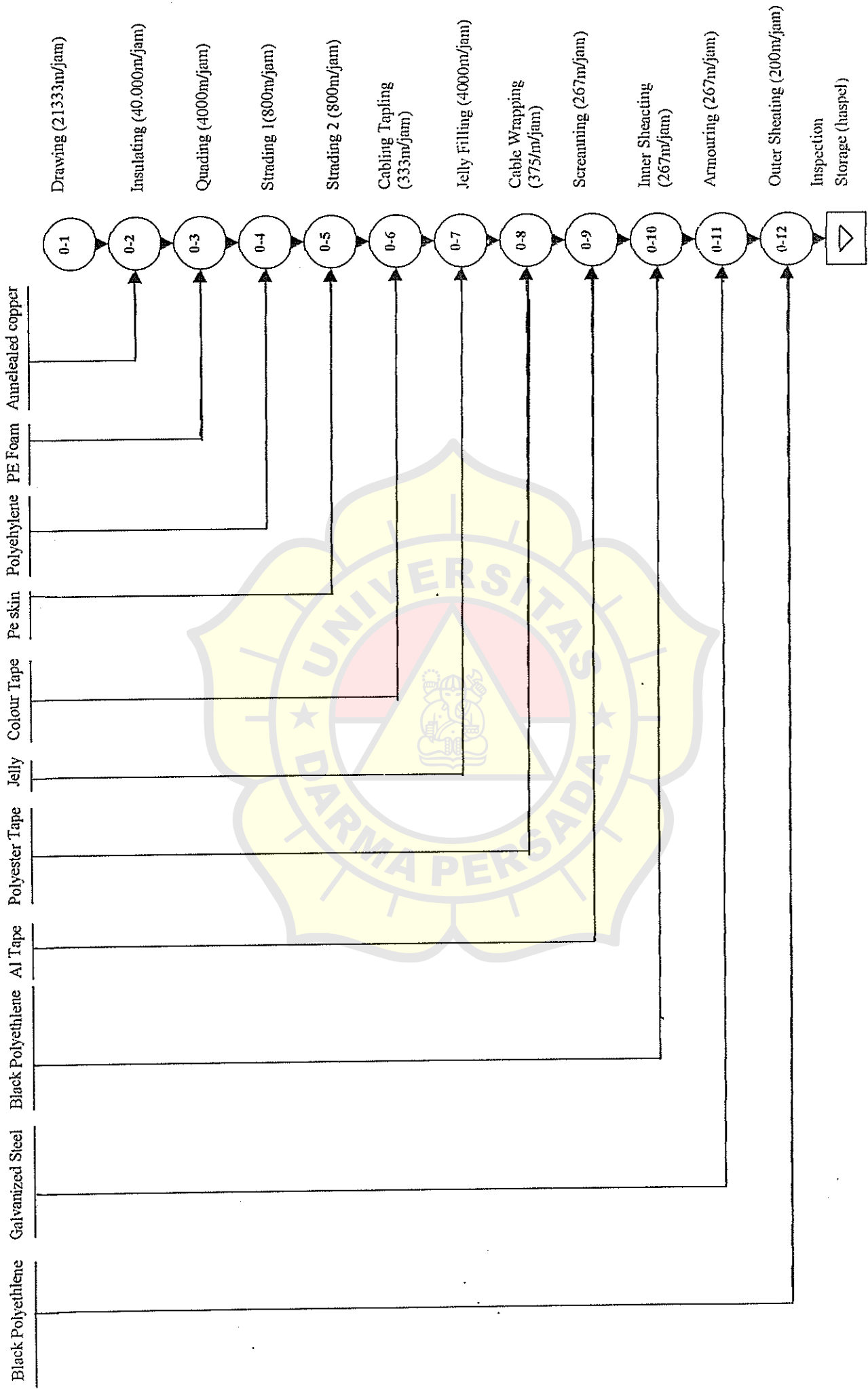
2. Diharapkan perusahaan dapat mengoptimalkan penggunaan gudang sebagai tempat persediaan, karena jika dibandingkan dengan biaya yang akan dikeluarkan jika dilakukan overtime (lembur) lebih besar sekitar 12%, akan lebih baik menggunakan sarana penyimpanan yang telah dimiliki secara efektif.



DAFTAR PUSTAKA

1. Bedworth, David D,"Integrated Production Control System,"John Willey and Sons, Inc. New York, 1982.
2. Bregel, John E,"Pengendalian Produksi Suatu Pendekatan Kuantitatif," Akademi Press, Jakarta,1992.
3. Bugga, Elwood S,"Manajemen Operasi dan Produksi Modern," Binapura Aksara, Jakarta, 1996.
4. Forgy, Balack Stone, Hoff, an," Production and Inventory Management," Second Edition, 1993.
5. Grant, Eugene L,"Statistical Quality Control",Sixth Edition, Mc. Graw Hill, Inc. New York, 1988.
6. Herjanto, Eddy,"Manajemen Produksi dan Operasi," Grasindo, Jakarta, 1997.
7. T. Hani Handoko,"Dasar-Dasar Manajemen Produksi dan Operasi,"Edisi satu, 1994.
8. Subagio, Pangestu. Drs,"Forecasting," BPFE, Yogyakarta, 1987.





Famili-1-Aerial Cable / U - E (Pe) es.

No	Ukuran / Item	DEMAND PERIODE 1997												Hasil Per Shift	Faktor Konversi	Total	
		Januari	Februari	Maret	April	Mei	Junii	Juli	Agustus	September	Oktober	November	Desember				
1	10 X 2 X 0,4	550.085	-	29.659	289.338	235.857	-	-	-	-	-	-	-	-	750	1,67	1.104.939
2	20 X 2 X 0,4	1.506.838	-	53.440	673.397	741.801	-	-	-	-	-	-	-	-	750	1,67	2.977.276
3	30 X 2 X 0,4	-	-	-	-	-	-	-	-	-	-	-	-	-	750	1,67	-
4	40 X 2 X 0,4	2.056.211	-	-	1.831.015	1.273.048	53.440	-	-	-	-	-	-	-	750	1,67	5.213.714
5	50 X 2 X 0,4	-	-	-	1.664.923	-	160.320	-	-	-	-	-	-	-	750	1,67	2.926.374
6	60 X 2 X 0,4	1.101.131	-	-	750.014	262.170	-	-	-	-	-	-	-	-	600	1,33	2.697.028
7	80 X 2 X 0,4	1.684.844	-	-	-	-	-	-	-	-	-	-	-	-	600	1,33	-
8	100 X 2 X 0,4	-	-	-	-	-	-	-	-	-	-	-	-	-	300	0,67	-
9	120 X 2 X 0,4	-	-	-	-	-	-	-	-	-	-	-	-	-	300	0,67	-
10	150 X 2 X 0,4	-	-	-	-	-	-	-	-	-	-	-	-	-	300	0,67	-
11	200 X 2 X 0,4	-	-	-	-	-	-	-	-	-	-	-	-	-	300	0,67	-
12	10 X 2 X 0,6	485.830	621.240	-	200.400	-	1.663.320	300.600	200.400	-	-	-	-	-	750	1,67	3.772.390
13	20 X 2 X 0,6	1.086.729	-	-	1.117.831	39.599	1.082.160	1.523.040	360.720	-	-	-	-	-	750	1,67	7.214.079
14	30 X 2 X 0,6	300.600	-	-	901.800	-	2.284.560	420.840	420.840	-	-	-	-	-	750	1,67	4.509.000
15	40 X 2 X 0,6	224.448	2.004.000	-	875.347	107.735	400.800	1.282.560	240.480	961.920	1.603.200	801.600	-	-	750	1,67	8.502.090
16	50 X 2 X 0,6	-	-	-	2.004.000	-	-	-	-	-	-	-	-	-	750	1,67	2.004.000
17	60 X 2 X 0,6	-	-	-	2.543.076	-	3.006.000	-	-	-	-	-	-	-	750	1,67	5.549.076
18	80 X 2 X 0,6	-	-	-	1.915.200	-	2.936.640	-	-	-	-	-	-	-	600	1,33	4.851.840
19	100 X 2 X 0,6	14.507.480	-	660.744	8.471.355	1.028.462	4.947.600	-	-	-	-	-	-	-	600	1,33	29.615.641
20	120 X 2 X 0,6	-	-	-	-	-	-	-	-	-	-	-	-	-	300	0,67	-
21	10 X 2 X 0,8	-	-	-	-	-	106.880	53.440	88.176	476.150	-	-	-	-	750	1,67	804.809
22	20 X 2 X 0,8	-	-	-	-	-	213.760	106.880	-	-	160.320	400.800	-	-	750	1,67	881.760
23	30 X 2 X 0,8	-	-	-	-	-	801.600	160.320	400.800	-	-	-	-	-	750	1,67	1.362.720
24	40 X 2 X 0,8	-	-	-	-	-	641.280	427.520	-	-	-	1.282.560	-	-	750	1,67	2.351.360
25	50 X 2 X 0,8	-	-	-	-	-	-	-	-	-	-	-	-	-	750	1,67	-
26	60 X 2 X 0,8	-	-	-	-	-	641.280	320.640	-	-	-	480.960	-	-	750	1,67	1.442.880
27	80 X 2 X 0,8	-	-	-	-	-	1.021.440	2.979.200	340.480	-	-	-	-	-	600	1,33	1.361.920
28	100 X 2 X 0,8	-	-	-	-	-	4.256.000	-	-	-	-	-	-	-	600	1,33	7.235.200
29	120 X 2 X 0,8	-	-	-	-	-	-	-	-	-	-	-	-	-	600	1,33	-
30	10 X 2 X 1,0	-	-	-	-	-	-	-	-	-	-	-	-	-	750	1,67	-
31	20 X 2 X 1,0	-	-	-	-	-	-	-	-	-	-	-	-	-	750	1,67	-
32	30 X 2 X 1,0	-	-	-	-	-	-	-	-	-	-	-	-	-	750	1,67	-
33	40 X 2 X 1,0	-	-	-	-	-	-	-	-	-	-	-	-	-	750	1,07	-
34	50 X 2 X 1,0	-	-	-	-	-	-	-	-	-	-	-	-	-	750	1,67	-
35	60 X 2 X 1,0	-	-	-	-	-	-	-	-	-	-	-	-	-	750	1,67	-
36	80 X 2 X 1,0	-	-	-	-	-	-	-	-	-	-	-	-	-	750	1,67	-
37	100 X 2 X 1,0	-	-	-	-	-	-	-	-	-	-	-	-	-	600	1,33	-
38	120 X 2 X 1,0	-	-	-	-	-	-	-	-	-	-	-	-	-	300	0,67	-
TOTAL		23.505.996	2.625.240	773.843	23.237.696	3.688.672	614.560	23.085.320	7.154.200	2.501.896	1.438.070	4.268.520	3.046.080	-	-	-	96.378.096

DATA DEMAND DENGAN FAKTOR KONVERSI

Family-2, Drop Wire / U : E - S

No	Ukuran / Item	Demand Periode 1997												Hasil Per Shift	Faktor Konversi	Total
		Januari	Februari	Maret	April	Mei	Jun	Juli	Agustus	September	Oktober	November	Desember			
1	1 X 2 X 0,6	2.502.000	-	2.502.000	3.336.000	-	5.004.000	3.336.000	-	8.340.000	3.336.000	5.004.000	3.336.000	625	1,39	36.696.000
2	2 X 2 X 0,8	-	-	-	-	-	-	-	-	-	-	-	-	625	1,39	-
	Total	2.502.000	-	2.502.000	3.336.000	-	5.004.000	3.336.000	-	8.340.000	3.336.000	5.004.000	3.336.000			36.696.000

Family - 3, Indoor Cable / R - V (Pe) V

No	Ukuran / Item	Demand Periode 1997												Hasil Per Shift	Faktor Konversi	Total
		Januari	Februari	Maret	April	Mei	Jun	Juli	Agustus	September	Oktober	November	Desember			
1	2 X 2 X 0,6	-	-	-	-	-	3336	-	-	-	-	-	-	625	1,39	3336
2	6 X 2 X 0,6	-	-	-	-	-	-	-	-	-	-	-	-	625	1,39	-
3	10 X 2 X 0,6	-	-	-	-	-	-	-	-	-	-	-	-	625	1,39	-
4	20 X 2 X 0,6	-	-	-	-	-	-	-	-	-	-	-	-	625	1,39	-
5	30 X 2 X 0,6	-	-	200160	-	-	-	-	-	-	-	-	-	625	1,39	200160
6	40 X 2 X 0,6	-	-	-	-	-	-	-	-	-	-	-	-	625	1,39	-
7	50 X 2 X 0,6	-	-	-	-	-	-	-	-	-	-	-	-	625	1,39	-
8	60 X 2 X 0,6	-	-	-	-	-	-	-	-	-	-	-	-	625	1,39	-
9	70 X 2 X 0,6	-	-	-	-	-	-	-	-	-	-	-	-	625	1,39	-
10	80 X 2 X 0,6	-	-	-	-	-	-	-	-	-	-	-	-	625	1,39	-
11	100 X 2 X 0,6	-	-	-	-	166800	-	-	-	-	-	-	-	625	1,39	166800
	Total	-	-	200160	-	170136	-	-	-	-	-	-	-			370296

Family-4, Jumper Wire / R - V

No	Ukuran / Item	Demand Periode 1997												Hasil Per Shift	Faktor Konversi	Total
		Januari	Februari	Maret	April	Mei	Jun	Juli	Agustus	September	Oktober	November	Desember			
1	1 X 2 X 0,6	100.080	-	-	467.657	-	-	-	-	-	-	1.734.720	-	625	1,39	2.302.457
	Total	100.080	-	-	467.657	-	-	-	-	-	-	1.734.720	-			2.302.457

DATA DEMAND DENGAN FAKTOR KONVERSI

Family-5, Alphone - Cable

No	Ukuran / Item	Demand Periode 1997												Hasil Per Shift	Faktor Konversi	Total	
		Januari	Februari	Maret	April	Mei	Juni	Juli	Agustus	September	Oktober	November	Desember				
1	2 X 2 X 0,6	-	-	-	-	-	-	-	-	-	-	-	-	-	625	1,39	-
2	3 X 2 X 0,6	-	-	-	-	-	-	-	-	-	-	-	-	-	625	1,39	-
3	4 X 2 X 0,6	-	-	333.600	-	-	-	667.200	-	-	-	-	-	-	625	1,39	1.334.400
4	5 X 2 X 0,6	-	-	-	-	-	-	-	-	-	-	-	-	-	625	1,39	-
5	6 X 2 X 0,6	200.160	-	-	-	-	-	-	-	-	-	-	-	-	625	1,39	200.160
6	7 X 2 X 0,6	-	-	-	116.760	-	-	-	-	-	-	-	-	-	625	1,39	116.760
7	8 X 2 X 0,6	-	-	-	133.440	-	-	-	-	-	-	-	-	-	625	1,39	133.440
8	9 X 2 X 0,6	-	-	-	150.120	-	-	-	-	-	-	-	-	-	625	1,39	150.120
9	10 X 2 X 0,6	-	-	-	166.800	-	-	-	-	-	-	-	-	-	625	1,39	166.800
10	12 X 2 X 0,6	-	-	-	200.160	-	-	-	-	-	-	-	-	-	625	1,39	200.160
11	14 X 2 X 0,6	-	-	-	-	-	-	-	-	-	-	-	-	-	625	1,39	-
12	15 X 2 X 0,6	-	-	-	-	-	-	-	-	-	-	-	-	-	625	1,39	250.200
13	20 X 2 X 0,6	-	-	-	-	-	-	333.600	-	-	-	-	-	-	625	1,39	667.200
14	28 X 2 X 0,6	-	-	-	-	-	-	233.520	-	-	-	-	-	-	625	1,39	233.520
15	30 X 2 X 0,6	-	-	-	250.200	-	-	-	-	-	-	-	-	-	625	1,39	500.400
16	40 X 2 X 0,6	-	-	-	-	-	-	-	-	-	-	-	-	-	625	1,39	333.600
Total		1.117.560	-	333.600	1.017.480	-	333.600	250.200	1.234.320	-	-	-	-	-	625	1,39	4.286.760

DATA DEMAND DENGAN FAKTOR KONVERSI

Family.6. Indoor Cable / R.VV

No	Ukuran / Item	DEMAND PERIODE 1997												Hasil Per Shift	Faktor Konversi	Total
		Januari	Februari	Maret	April	Mei	Juni	Juli	Agustus	September	Oktober	November	Desember			
1	1 X 2 X 0.6	-	-	-	-	-	-	-	-	1.668.000	3.336.000	-	-	625	1,39	5.004.000
2	2 X 2 X 0.6	-	-	66.720	250.200	66.720	-	-	-	-	-	66.720	20.016	625	1,39	470.376
3	6 X 2 X 0.6	-	-	-	-	-	-	-	-	-	-	-	83.400	625	1,39	-
4	10 X 2 X 0.6	83.400	-	-	200.160	-	-	44.480	-	-	-	-	-	625	1,39	411.440
5	20 X 2 X 0.6	166.800	-	-	-	-	-	-	-	-	-	-	-	625	1,39	166.800
6	30 X 2 X 0.6	-	-	-	-	-	-	-	-	-	-	-	-	625	1,39	-
7	40 X 2 X 0.6	-	-	-	-	-	-	-	-	-	-	-	-	625	1,39	-
8	50 X 2 X 0.6	-	-	-	-	-	-	-	-	-	-	-	-	625	1,39	-
9	60 X 2 X 0.6	-	-	-	-	-	-	-	-	-	-	-	-	625	1,39	-
10	70 X 2 X 0.6	-	-	-	-	-	-	-	-	-	-	-	-	625	1,39	-
11	80 X 2 X 0.6	-	-	-	-	-	-	-	-	-	-	-	-	625	1,39	-
12	100 X 2 X 0.6	-	-	-	-	-	-	-	-	-	-	-	-	625	1,39	-
Total		250.200	-	66.720	450.360	66.720	166.800	-	44.480	-	1.668.000	3.402.720	103.416	-	-	-

DATA DEMAND DENGAN FAKTOR KONVERSI

Family.7. Duet Jelly / TP-EJ (Pe) E

No	Ukuran / Item	DEMAND PERIODE 1997												Hasil Per Shift	Faktor Konversi	Total						
		Januari	Februari	Maret	April	Mei	Juni	Juli	Agustus	September	Oktober	November	Desember									
1	10 X 2 X 0.6	-	-	-	-	-	-	-	-	-	-	-	-	-	750	1,67	-					
2	20 X 2 X 0.6	-	-	-	-	-	-	-	-	-	-	-	-	-	750	1,67	-					
3	30 X 2 X 0.6	-	-	-	-	-	-	-	-	-	-	-	-	-	750	1,67	-					
4	40 X 2 X 0.6	-	-	-	-	-	-	-	-	-	-	-	-	-	750	1,67	-					
5	50 X 2 X 0.6	-	-	-	-	-	-	-	-	-	-	-	-	-	750	1,67	-					
6	60 X 2 X 0.6	-	-	-	-	-	-	-	-	-	-	-	-	-	750	1,67	-					
7	80 X 2 X 0.6	-	-	-	-	-	-	-	-	-	-	-	-	-	600	1,33	-					
8	100 X 2 X 0.6	-	-	-	-	-	-	-	-	-	-	-	-	-	600	1,33	-					
9	120 X 2 X 0.6	-	-	-	-	-	-	-	-	-	-	-	-	-	300	0,67	-					
10	150 X 2 X 0.6	-	-	-	-	-	-	-	-	-	-	-	-	-	300	0,67	-					
11	200 X 2 X 0.6	-	-	-	-	-	-	-	-	-	-	-	265159	-	300	0,67	265.159					
12	250 X 2 X 0.6	-	-	-	-	-	-	-	-	-	-	-	-	-	300	0,67	-					
13	300 X 2 X 0.6	-	-	-	-	-	-	-	-	-	-	-	-	-	300	0,67	-					
14	400 X 2 X 0.6	-	-	-	-	-	-	-	-	-	-	-	-	-	300	0,67	-					
15	500 X 2 X 0.6	-	-	-	-	-	-	-	-	-	-	-	-	-	200	0,44	-					
16	600 X 2 X 0.6	-	-	-	-	-	-	-	-	-	-	-	806.256	-	200	0,44	806.256					
17	800 X 2 X 0.6	-	-	-	-	-	-	-	-	-	-	-	-	-	200	0,44	-					
Total		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	265.159	-	806.256	-	1.071.415

DAIA DEMAND DENGAN FAKTOR KONVERSI

Family-8, Jelly Armour/T-EJ (Pem) E

No	Ukuran / Item	Demand Periode 1997												Hasil Per Shift	Faktor Konversi	Total	
		Januari	Februari	Maret	April	Mei	Jun	Juli	Agustus	September	Oktober	November	Desember				
1	10 X 2 X 0,4	641.267	-	895.120	734.800	450.285	350.720	440.880	267.200	160.320	-	-	-	-	750	1,67	3.950.582
2	20 X 2 X 0,4	2.118.749	-	-	1.242.480	545.916	507.680	267.200	160.320	320.640	641.280	-	-	-	750	1,67	5.804.265
3	30 X 2 X 0,4	-	240.480	2.084.160	400.800	400.800	400.800	-	240.480	-	-	-	-	-	750	1,67	3.366.720
4	40 X 2 X 0,4	4.514.878	-	534.400	748.160	9.261.780	374.080	694.720	-	721.440	160.320	-	-	-	750	1,67	17.009.778
5	50 X 2 X 0,4	-	-	-	-	-	-	-	-	-	-	-	-	-	750	1,67	9.826.734
6	60 X 2 X 0,4	4.364.612	-	1.282.560	1.042.080	1.864.922	-	1.122.240	160.320	-	-	-	-	-	750	1,67	2.638.720
7	80 X 2 X 0,4	-	510.720	936.320	936.320	510.720	510.720	340.480	170.240	-	170.240	-	-	-	600	1,33	25.419.180
8	100 X 2 X 0,4	9.919.786	1.819.440	893.760	1.702.400	4.646.594	1.383.200	2.128.000	2.766.400	106.400	53.200	-	-	-	300	0,67	-
9	120 X 2 X 0,4	-	-	-	-	-	-	-	428.800	857.600	-	-	-	-	300	0,67	-
10	150 X 2 X 0,4	-	-	857.600	-	2.122.989	-	-	-	-	-	-	-	-	300	0,67	5.874.989
11	200 X 2 X 0,4	-	-	-	-	-	-	-	-	-	-	-	-	-	300	0,67	3.215.089
12	250 X 2 X 0,4	3.215.089	-	-	-	-	-	-	-	-	-	-	-	-	300	0,67	-
13	300 X 2 X 0,4	-	-	-	-	-	-	-	-	-	-	-	-	-	300	0,67	-
14	400 X 2 X 0,4	-	-	-	-	-	-	-	-	-	-	-	-	-	200	0,44	-
15	500 X 2 X 0,4	-	-	-	-	-	-	-	-	-	-	-	-	-	200	0,44	-
16	600 X 2 X 0,4	-	-	-	-	-	-	-	-	-	-	-	-	-	200	0,44	-
17	800 X 2 X 0,4	-	-	-	-	-	-	-	-	-	-	-	-	-	125	0,28	-
18	1000 X 2 X 0,4	-	-	-	-	-	-	-	-	-	-	-	-	-	125	0,28	-
19	1200 X 2 X 0,4	-	-	-	-	-	-	-	-	-	-	-	-	-	750	1,67	13.807.560
20	10 X 2 X 0,6	200.400	1.122.240	9.211.840	881.760	6.492.960	721.440	2.905.800	561.120	-	-	-	-	-	750	1,67	15.815.448
21	20 X 2 X 0,6	725.528	-	-	2.212.937	1.374.423	1.763.520	641.280	1.402.800	2.484.960	2.084.160	-	-	-	750	1,67	9.378.720
22	30 X 2 X 0,6	721.440	781.560	1.022.040	721.440	1.442.880	1.803.600	2.885.760	4.736.120	-	320.640	-	-	-	750	1,67	18.228.277
23	40 X 2 X 0,6	1.442.880	3.046.080	-	2.885.760	1.040.637	1.843.680	4.736.120	-	1.629.920	-	-	-	-	750	1,67	1.202.400
24	50 X 2 X 0,6	2.565.120	300.600	7.494.960	240.480	5.138.653	1.378.191	6.492.960	5.290.560	721.440	1.282.560	-	-	-	750	1,67	32.987.684
25	80 X 2 X 0,6	1.532.160	1.659.840	3.415.440	1.915.200	671.086	8.171.520	48.092.180	510.720	1.021.440	-	-	-	-	600	1,33	19.386.686
26	100 X 2 X 0,6	8.606.111	8.626.859	-	916.040	5.342.131	3.670.800	17.396.400	3.511.200	10.374.000	4.468.800	-	-	-	600	1,33	74.987.741
27	120 X 2 X 0,6	-	-	-	-	-	-	-	-	-	-	-	-	-	300	0,67	-
28	150 X 2 X 0,6	-	-	-	-	-	-	-	-	-	-	-	-	-	300	0,67	-
29	200 X 2 X 0,6	-	-	3.055.200	10.742.494	-	221.904	-	5.949.600	2.572.800	3.814.337	-	-	-	300	0,67	28.553.471
30	250 X 2 X 0,6	-	-	-	-	-	-	-	-	-	-	-	-	-	300	0,67	-
31	300 X 2 X 0,6	-	-	-	-	-	-	-	-	2.401.387	-	-	-	-	300	0,67	5.603.558
32	400 X 2 X 0,6	-	-	-	-	-	-	-	-	1.210.288	124.780	-	-	-	300	0,67	1.335.069
33	500 X 2 X 0,6	-	-	-	-	-	-	-	-	-	-	-	-	-	200	0,44	132.000
34	600 X 2 X 0,6	-	-	-	132.000	-	-	-	-	-	-	-	-	-	200	0,44	112.464
35	800 X 2 X 0,6	-	-	-	-	38.896	-	-	-	112.464	-	-	-	-	200	0,44	81.136
36	10 X 2 X 0,8	-	-	106.880	53.440	-	26.720	100.200	-	-	-	-	-	-	250	1,67	447.560
37	20 X 2 X 0,8	-	-	160.320	106.880	-	80.160	213.760	-	-	106.880	-	-	-	750	1,67	1.119.889
38	30 X 2 X 0,8	-	191.476	280.560	120.240	-	160.320	320.640	-	-	260.413	-	-	-	750	1,67	881.760
39	40 X 2 X 0,8	-	-	427.520	213.760	-	-	855.040	-	-	213.760	-	-	-	750	1,67	2.542.782
40	50 X 2 X 0,8	-	405.182	-	-	-	-	-	-	-	213.760	-	-	-	750	1,67	2.542.782
41	60 X 2 X 0,8	-	-	641.280	320.640	-	-	320.640	-	-	267.200	-	-	-	750	1,67	2.672.200
42	80 X 2 X 0,8	-	516.070	340.480	-	184.368	1.282.560	-	-	-	320.640	-	-	-	750	1,67	3.586.198
43	100 X 2 X 0,8	-	399.553	425.600	-	73.203	340.480	-	-	-	301.573	-	-	-	600	1,33	1.153.716
44	120 X 2 X 0,8	-	-	-	425.600	-	-	2.553.600	-	-	1.702.400	-	-	-	300	0,67	8.123.773
45	150 X 2 X 0,8	-	-	-	-	-	-	-	-	-	-	-	-	-	300	0,67	-
46	200 X 2 X 0,8	-	-	536.000	-	-	-	1.286.400	428.800	-	1.286.400	-	-	-	300	0,67	4.502.400
47	250 X 2 X 0,8	-	-	-	-	-	-	-	-	-	-	-	-	-	300	0,67	-
48	300 X 2 X 0,8	-	-	-	-	-	-	-	-	-	-	-	-	-	300	0,67	-
49	400 X 2 X 0,8	-	-	-	-	-	-	-	-	-	-	-	-	-	300	0,67	-
50	400 X 2 X 0,8	-	-	-	-	-	-	-	-	-	-	-	-	-	300	0,67	-
Total		40.558.020	19.620.100	26.312.040	37.676.711	41.497.136	29.311.498	4.766.880	21.848.560	23.673.659	13.369.040	4.632.000	16.868.195	-	300	0,67	320.343.559

DATA DEMAND DENGAN FAKTOR KONVERSI

Family-9. Foam S-DJTC / TP-Ebk - J (P

No	Ukuran / Item	DEMAND PERIODE 1997												Hasil Per Shift	Faktor Konversi	Total	
		Januari	Februari	Maret	April	Mei	Jun	Jul	Agustus	September	Oktober	November	Desember				
1	100 X 2 X 0.4	-	194,393	12,130	-	281,641	73,310	75,331	46,284	-	53,200	-	-	77,885	600	1,33	814,178
2	120 X 2 X 0.4	-	-	-	-	-	-	-	-	-	-	-	-	-	300	0,67	-
3	150 X 2 X 0.4	68,608	-	29,909	-	311,309	143,594	-	48,624	-	62,712	-	-	180,954	300	0,67	895,710
4	200 X 2 X 0.4	-	-	196,496	-	546,775	-	195,211	469,375	-	866,481	-	-	91,978	300	0,67	2,371,318
5	250 X 2 X 0.4	-	150,080	-	-	654,778	324,387	-	51,670	-	-	-	-	254,064	300	0,67	143,979
6	300 X 2 X 0.4	-	-	-	-	-	-	-	-	-	-	-	-	-	200	0,44	-
7	400 X 2 X 0.4	-	-	270,970	-	592,416	376,781	97,786	64,416	972,152	214,157	-	-	96,307	200	0,44	1,809,985
8	500 X 2 X 0.4	-	-	145,587	-	670,490	119,117	134,605	1,013,478	53,222	53,222	-	-	273,152	200	0,44	2,409,651
9	600 X 2 X 0.4	-	-	10,080	-	194,432	-	-	560,448	73,248	73,248	-	-	138,208	125	0,28	976,416
10	800 X 2 X 0.4	-	-	-	-	332,696	353,741	-	338,957	-	-	498,624	-	-	125	0,28	1,524,018
11	1000 X 2 X 0.4	-	-	-	-	606,502	102,234	-	-	-	-	-	-	-	125	0,28	708,736
12	1200 X 2 X 0.4	-	-	-	-	439,757	256,614	-	106,848	-	175,258	-	-	495,309	125	0,28	1,366,938
13	1400 X 2 X 0.4	-	-	-	-	-	464,576	-	184,576	-	-	-	-	-	125	0,28	106,848
14	1600 X 2 X 0.4	-	-	-	-	-	-	-	-	-	-	-	-	-	125	0,28	849,152
15	1800 X 2 X 0.4	-	-	-	-	-	-	-	-	-	-	-	-	-	125	0,28	-
16	2000 X 2 X 0.4	-	-	-	-	-	-	-	-	-	-	-	-	-	125	0,28	339,226
17	2200 X 2 X 0.4	-	-	-	-	-	-	-	-	-	-	-	-	-	125	0,28	1,118,796
18	2400 X 2 X 0.4	-	-	-	-	-	-	-	-	-	-	-	-	-	125	0,28	-
19	100 X 2 X 0.6	20,110	473,214	15,800	518,700	-	-	112,896	226,330	-	-	-	-	63,361	600	1,33	-
20	120 X 2 X 0.6	-	-	-	-	-	-	27,611	-	-	-	-	-	-	300	0,67	-
21	150 X 2 X 0.6	-	-	-	-	-	-	-	-	-	-	-	-	-	300	0,67	-
22	200 X 2 X 0.6	-	-	1,062,406	-	250,848	-	51,295	-	73,325	-	80,400	-	-	300	0,67	1,518,274
23	250 X 2 X 0.6	545,594	78,350	303,430	-	1,148,112	887,616	6,030	728,424	-	718,776	-	-	359,629	300	0,67	4,776,001
24	300 X 2 X 0.6	-	-	3,187,056	-	1,725,384	2,316,806	-	1,355,544	-	917,096	-	-	-	300	0,67	9,501,886
25	400 X 2 X 0.6	-	-	-	-	-	-	-	-	-	-	-	-	-	200	0,44	-
26	500 X 2 X 0.6	-	-	-	-	-	-	-	-	-	-	-	-	-	200	0,44	-
27	600 X 2 X 0.6	1,208,486	-	2,757,744	-	2,330,258	3,921,034	827,165	254,390	-	655,776	-	-	450,490	200	0,44	1,245,343
28	800 X 2 X 0.6	-	-	3,459,034	1,414,618	2,399,232	1,799,424	1,398,566	65,050	-	10,622	-	-	-	200	0,44	10,667,290
29	1000 X 2 X 0.6	-	-	-	-	2,544,192	-	1,020,432	818,832	-	-	-	-	-	125	0,28	4,383,456
30	1200 X 2 X 0.6	11,534,208	12,078,662	-	-	6,165,734	5,081,933	-	1,441,440	641,088	-	-	-	-	125	0,28	2,548,857
31	1400 X 2 X 0.6	-	9,643,670	-	1,227,744	991,603	4,126,685	1,828,915	218,691	9,433,401	-	-	-	-	125	0,28	39,004,917
32	100 X 2 X 0.8	-	-	-	257,488	-	-	-	-	-	-	-	-	-	600	1,33	257,448
33	120 X 2 X 0.8	-	-	-	-	-	-	-	-	-	-	-	-	-	300	0,67	-
34	150 X 2 X 0.8	-	-	-	-	16,294	-	-	-	85,331	-	-	-	-	300	0,67	5,360
35	200 X 2 X 0.8	-	-	-	-	-	16,294	-	-	-	-	-	-	-	300	0,67	11,792
36	250 X 2 X 0.8	-	-	-	-	-	-	-	-	-	-	-	-	-	300	0,67	-
37	300 X 2 X 0.8	-	-	-	-	-	-	-	34,733	12,220	-	-	-	-	300	0,67	46,053
38	400 X 2 X 0.8	-	1,548,397	-	-	20,170	-	-	-	1,436,480	-	-	-	-	300	0,67	3,035,047
39	500 X 2 X 0.8	-	-	-	-	-	-	-	-	-	-	-	-	-	200	0,44	-
40	600 X 2 X 0.8	-	-	-	506,880	-	-	-	-	-	-	-	-	-	200	0,44	506,880
41	800 X 2 X 0.6	-	1,374,208	-	-	-	-	-	-	26,339,632	-	-	-	-	200	0,44	27,713,840
42	1000 X 2 X 0.6	-	-	-	-	5,316,080	-	-	-	-	-	-	-	-	125	0,28	5,316,080
Total		1,337,706	25,546,374	11,441,572	3,925,430	27,571,703	20,150,912	5,861,666	7,851,780	38,118,629	3,897,948	604,368	2,481,337	-	-	-	161,085,415

DATA DEMAND DENGAN FAKTOR KONVERSI

Family-10. Foam.S.JATC / T-Ebk-J (Pem) E

No	Ukuran / Item	DEMAND PERIODE 1997												Faktor Konversi	Total		
		Januari	Februari	Marset	April	Mei	Junj	Juli	Agustus	September	Oktober	November	Desember				
1	100 X 2 X 0.4	-	-	-	-	10.640	2.474	6.171	-	-	-	-	-	-	600	1,33	19.285
2	120 X 2 X 0.4	-	-	-	-	-	-	-	-	-	-	-	-	-	300	0,67	-
3	150 X 2 X 0.4	-	-	-	-	-	-	-	-	-	-	-	-	-	300	0,67	-
4	200 X 2 X 0.4	-	299.517	34.411	-	27.229	-	-	-	-	-	-	-	-	300	0,67	1.123.670
5	250 X 2 X 0.4	-	-	-	-	-	-	-	-	-	-	-	712.451	-	300	0,67	-
6	300 X 2 X 0.4	-	193.174	504.751	365.659	-	-	785.186	-	-	-	-	-	-	300	0,67	2.329.563
7	400 X 2 X 0.4	-	876.253	326.102	88.333	-	-	-	-	-	-	-	-	-	300	0,67	1.327.029
8	500 X 2 X 0.4	-	-	-	-	-	86.170	-	-	-	-	-	-	-	200	0,44	-
9	600 X 2 X 0.4	-	71.597	-	80.256	-	52.096	-	-	-	-	-	-	200	0,44	662.113	
10	800 X 2 X 0.4	-	-	356.224	244.147	-	-	424.090	15.770	-	-	-	-	200	0,44	668.237	
11	1000 X 2 X 0.4	-	-	-	-	-	-	-	-	-	-	-	-	125	0,28	87.808	
12	1200 X 2 X 0.4	-	-	-	-	-	-	87.808	-	-	-	-	-	125	0,28	37.094	
13	1400 X 2 X 0.4	-	-	-	-	-	-	37.094	-	-	-	-	-	125	0,28	-	
14	1600 X 2 X 0.4	-	-	-	-	-	-	-	-	-	-	-	-	125	0,28	-	
15	1800 X 2 X 0.4	-	-	-	-	-	-	-	-	-	-	-	-	125	0,28	-	
16	2000 X 2 X 0.4	-	-	-	-	-	-	-	-	-	-	-	-	125	0,28	-	
17	2200 X 2 X 0.4	-	-	-	-	-	-	-	-	-	-	-	-	125	0,28	-	
18	2400 X 2 X 0.4	-	-	-	-	-	-	-	-	-	-	-	-	125	0,28	-	
19	100 X 2 X 0.6	-	-	3.830	-	-	9.506.095	171.251	53.945	1.577.486	479.598	-	-	600	1,33	11.952.284	
20	120 X 2 X 0.6	-	-	-	-	-	-	-	-	-	-	-	-	300	0,67	-	
21	150 X 2 X 0.6	-	-	-	-	-	-	-	-	-	-	-	-	300	0,67	-	
22	200 X 2 X 0.6	-	2.398.493	819.758	569.232	663.032	10.291	68.963	-	3.297.043	83.052	-	-	300	0,67	8.657.364	
23	250 X 2 X 0.6	-	-	-	-	-	-	-	-	-	-	-	-	300	0,67	-	
24	300 X 2 X 0.6	-	931.997	1.786.568	197.784	6.049.296	1.609.286	1.105.018	853.484	2.090.239	239.270	-	-	300	0,67	12.149.002	
25	400 X 2 X 0.6	-	1.167.408	-	-	1.207.930	-	-	22.512	789.508	-	-	-	300	0,67	5.901.682	
26	500 X 2 X 0.6	-	-	-	-	6.600	-	-	-	-	-	-	-	200	0,44	6.600	
27	600 X 2 X 0.6	-	-	-	9.475.488	505.296	2.071.238	238.234	-	-	-	-	-	200	0,44	12.290.756	
28	800 X 2 X 0.6	238.234	130.099	-	-	528	209.088	112.042	262.310	32.928	-	-	-	200	0,44	1.942.301	
29	1000 X 2 X 0.6	-	-	-	-	80.976	-	-	-	6.451	-	-	-	125	0,28	113.904	
30	1200 X 2 X 0.6	-	-	-	-	-	-	-	-	-	-	-	-	125	0,28	6.451	
31	1400 X 2 X 0.6	-	-	-	-	-	-	-	-	-	-	-	-	600	1,33	6.186.309	
32	100 X 2 X 0.8	-	-	1.490	-	106.400	-	-	-	-	-	-	-	300	0,67	-	
33	120 X 2 X 0.8	-	-	-	-	-	-	-	-	-	-	-	-	300	0,67	-	
34	150 X 2 X 0.8	-	-	-	-	-	-	-	-	-	-	-	-	300	0,67	-	
35	200 X 2 X 0.8	-	3.078.570	1.501	-	5.360	1.715	-	-	-	-	-	-	300	0,67	3.087.146	
36	250 X 2 X 0.8	-	-	-	-	-	-	-	-	-	-	-	-	300	0,67	9.005	
37	300 X 2 X 0.8	-	-	9.005	-	-	-	-	-	-	-	-	-	300	0,67	9.005	
38	400 X 2 X 0.8	-	-	-	-	-	52.756	-	-	-	-	-	-	300	0,67	52.756	
39	500 X 2 X 0.8	-	-	-	-	-	144.320	-	56.320	-	-	-	-	200	0,44	200.640	
40	600 X 2 X 0.8	-	1.053.043	-	-	-	-	-	-	-	-	-	-	200	0,44	1.053.043	
41	800 X 2 X 0.8	-	-	-	-	-	-	-	-	-	-	-	-	200	0,44	-	
Total		238.234	13.507.870	3.843.640	11.020.899	18.169.382	4.836.820	3.035.877	1.264.705	8.506.126	1.549.400	-	-	-	-	-	69.864.042

DAFTAR KAPASITAS MESIN (Plant C)

No. Urut	Proses	No. Mesin	Take Up	Pay Off	Standard Packing	Hasil PerShift	Konstruksi
	CABLEING	CB-20A	2000	1600	1000 m	1,500 m ()	
	INNER SHEATH	EX-150A	2600	2000	1000 m	1,500 m ()	
	ARMOURING	FP-4	2600	2600	1000 m	2,000 m ()	
	OUTER SHEATH	EX-150B	221	2600	500 m	1,500 m ()	
1001	DRAWING	AD-10A	630	COIL	8000 m	160,000 m ()	
	INSULATION	TD-3	500	630	16200 m	360,000 m ()	
	INSULATION	TD-4	500	630	16200 m	360,000 m ()	
	INSULATION	TD-5	500	630	16200 m	360,000 m ()	
	GRADING	GD-7	500	500	4074 m	30,000 m ()	
	GRADING	GD-8	500	500	4074 m	30,000 m ()	
	GRADING	GD-9	500	500	4074 m	30,000 m ()	
	GRADING	GD-10	500	500	4074 m	30,000 m ()	
	GRADING	GD-11	500	500	4074 m	30,000 m ()	
	GRADING	GD-12	500	500	4074 m	30,000 m ()	
	GRADING	GD-13	500	500	4074 m	30,000 m ()	
	GRADING	GD-14	500	500	4074 m	30,000 m ()	
	STEAMING	ST-15B	1600	500	1520 m	4,000 m ()	
	STEAMING	ST-16C	1600	500	1520 m	4,000 m ()	
	CABLEING	CB-20A	2000	1600	500 m	1,500 m ()	
	INNER SHEATH	EX-150A	2600	2000	500 m	2,100 m ()	
	ARMOURING	FP-4	2600	2600	500 m	2,000 m ()	
	OUTER SHEATH	EX-150B	251	2600	250 m	1,400 m ()	
1002	DRAWING	AD-10A	630	COIL	8000 m	160,000 m ()	
	DRAWING	AD-8A	630	COIL	8000 m	80,000 m ()	
	INSULATION	TD-4	500	630	49900 m	420,000 m ()	
	INSULATION	TD-3	500	630	49900 m	420,000 m ()	
	INSULATION	TD-5	500	630	49900 m	420,000 m ()	
	GRADING	GD-9	500	500	12501 m	40,000 m ()	
	GRADING	GD-10	500	500	12501 m	40,000 m ()	
	GRADING	GD-11	500	500	12501 m	40,000 m ()	
	GRADING	GD-12	500	500	12501 m	40,000 m ()	
	GRADING	GD-13	500	500	12501 m	40,000 m ()	
	GRADING	GD-14	500	500	12501 m	40,000 m ()	
	GRADING	GD-7	500	500	12501 m	40,000 m ()	
	GRADING	GD-8	500	500	12501 m	40,000 m ()	
	STEAMING	ST-15B	1600	500	4000 m	6,000 m ()	
	STEAMING	ST-16C	1600	500	4000 m	6,000 m ()	
	CABLEING	CB-20A	2000	1600	1000 m	2,000 m ()	
	INNER SHEATH	EX-150A	2600	2000	1000 m	2,000 m ()	
	ARMOURING	FP-3	2600	2600	1000 m	3,000 m ()	
	ARMOURING	FP-4	2600	2600	1000 m	3,000 m ()	
	OUTER SHEATH	EX-150A	191	2600	500 m	1,500 m ()	
	OUTER SHEATH	EX-150B	121	2600	500 m	1,500 m ()	
1003	DRAWING	AD-10A	630	COIL	8000 m	160,000 m ()	
	INSULATION	TD-3	500	630	20000 m	420,000 m ()	
	INSULATION	TD-4	500	630	20000 m	420,000 m ()	
	INSULATION	TD-5	500	630	20000 m	420,000 m ()	

DAFTAR KAPASITAS MESIN (Plant C)

No. Urut	Proses	No. Mesin	Take Up	Pay Off	Standard Packing	Hasil PerShift	Konstruksi
	DRAPPING	00-2	500	500	7861 a	40,000 a ()	
	DRAPPING	00-7	500	500	7861 a	40,000 a ()	
	DRAPPING	00-10	500	500	7861 a	40,000 a ()	
	DRAPPING	00-11	500	500	7861 a	40,000 a ()	
	DRAPPING	00-12	500	500	7861 a	40,000 a ()	
	DRAPPING	00-13	500	500	7861 a	40,000 a ()	
	DRAPPING	00-14	500	500	7861 a	40,000 a ()	
	DRAPPING	00-7	500	500	7861 a	40,000 a ()	
	STRAPPING	ST-100	1600	500	2552 a	6,000 a ()	
	LABELING	00-20A	2000	1600	504 a	2,000 a ()	
	INNER SHEATH	EX-150A	2600	2000	500 a	2,000 a ()	
	CONDUITING	00-4	2600	2600	506 a	2,000 a ()	
	OUTER SHEATH	EX-160A	221	2600	502 a	2,000 a ()	
	DRAPPING	00-10A	500	COIL	8000 a	160,000 a ()	
	DRAPPING	00-2A	500	COIL	8000 a	30,000 a ()	
	INSULATION	00-3	500	500	15200 a	360,000 a ()	
	INSULATION	00-4	500	500	15200 a	360,000 a ()	
	INSULATION	00-5	500	500	16200 a	360,000 a ()	
	DRAPPING	00-2	500	500	4074 a	30,000 a ()	
	DRAPPING	00-10	500	500	4074 a	30,000 a ()	
	DRAPPING	00-11	500	500	4074 a	30,000 a ()	
	DRAPPING	00-12	500	500	4074 a	30,000 a ()	
	DRAPPING	00-13	500	500	4074 a	30,000 a ()	
	DRAPPING	00-14	500	500	4074 a	30,000 a ()	
	DRAPPING	00-9	500	500	4074 a	30,000 a ()	
	STRAPPING	ST-150	1600	500	1520 a	4,000 a ()	
	STRAPPING	ST-160	1600	500	1520 a	4,000 a ()	
	LABELING	00-20A	2000	1600	1500 a	1,500 a ()	
	INNER SHEATH	EX-150B	2600	2000	1500 a	1,500 a ()	
	INNER SHEATH	EX-150A	2600	2000	1500 a	1,500 a ()	
	CONDUITING	00-3	2600	2200	300 a	1,500 a ()	
	CONDUITING	00-4	2600	2200	300 a	1,500 a ()	
	OUTER SHEATH	EX-160B	251	2200	300 a	2,000 a ()	
	OUTER SHEATH	EX-160A	251	2200	300 a	2,000 a ()	
	DRAPPING	00-10A	500	COIL	9000 a	160,000 a ()	
	DRAPPING	00-2A	500	COIL	9000 a	30,000 a ()	
	INSULATION	00-4	500	500	49900 a	420,000 a ()	
	INSULATION	00-3	500	500	49900 a	420,000 a ()	
	INSULATION	00-5	500	500	49900 a	420,000 a ()	
	DRAPPING	00-2	500	500	12581 a	40,000 a ()	
	DRAPPING	00-10	500	500	12581 a	40,000 a ()	
	DRAPPING	00-11	500	500	12581 a	40,000 a ()	
	DRAPPING	00-12	500	500	12581 a	40,000 a ()	
	DRAPPING	00-13	500	500	12581 a	40,000 a ()	
	DRAPPING	00-7	500	500	12581 a	40,000 a ()	
	DRAPPING	00-9	500	500	12581 a	40,000 a ()	
	STRAPPING	ST-160	1600	500	4000 a	6,000 a ()	
	STRAPPING	ST-150	1600	500	4000 a	6,000 a ()	

TECHNICAL DATA SHEET

Type : T-Elok J(Pem)E	TECHNICAL DATA SHEET		Reg. No. : 222-132-010006	
Size : 100 X 2 X 0.6			Issuance No. : 09 Juli 1996	
Spare pair : 2 X 2 X 0.6			Rev. No : 01	
Ref. Spec : 69/POSTEL/89			Page : VI	
DESCRIPTION	Unit	SPEC	Material	
			Type	Quant per km
Conductor				
1. Diameter	mm	0.6	Ternaga Muda (Annealed Copper)	min = 527.0 kg max = 527.3
2. Tolerance of Wire Diameter	mm	± 0.003		
Insulator				
1. Nominal Thickness	mm	0.18	PE Foam = Neste NC 1244 or PN 225/0 or DEDA 3485	min = 47.7 kg max = 51.6 kg
2. Thickness of Skin	mm	0.05	PE Skin Sholex 20008 E atau DGDN 3364 or 1002 Cx27	min = 29.1 kg max = 2.97 kg
3. Diameter	mm	1.00 + 0.02	Master Batch	max = 2.13 kg
Quadding				
1. Lay pitch / Direction of :				
(Blue)	mm/-	65 / z		
(Orange)	mm/-	75 / z		
(Green)	mm/-	60 / z		
(Brown)	mm/-	70 / z		
(Grey)	mm/-	80 / z		
2. Diameter of Quad	Approx mm	2.41		
Stranding Cabling & Taping				
1. 10 pairs : Diameter / lay pitch / Dir of lay	mm/mm/-	6.0 / 150 - 180 / z	Blinder Tape	min = 1.59 kg max = 1.64 kg
			Petroleum jelly	min = 93.7 kg max = 97.4 kg
2. 100 pairs : Diameter / lay pitch / Dir of lay	mm/mm/-	19.2/480 - 576 / z		
3. Number and dimension of polyester tape	/mm	2 (50 X 10.05)	Polyester tape	min = 10.65 kg max = 10.69 kg
4. Minimum overlap of polyester tape	%	20		
5. Number and dimension of crepe paper tape	/mm	2 (50 X 0.3)	Crepe paper tape	min = 19.01 kg max = 19.37 kg
6. Minimum overlap of crepe paper tape	%	20		
7. Diameter of core	Approx mm	20.3		
Inner Sheathing				
1. Number and Dimension of Al Tape	/mm	1 (80 X 0.3)	DE Laminated Al Tape	min = 1004 m max = 1308 m
2. Minimum Overlap of Al Tape	mm	60		
3. Thickness of Sheath (Nominal)	mm	2	DE Sheath DFDJ 0588 or 1002	min = 152.3 kg max = 167.5 kg
4. Minimum Thickness at any point	mm	1.40	NC 6024 or BPD V 20 D	
5. Colour of Sheath		Black	760 S or DFDE	
6. Outer Diameter Approx	mm	25.6	588	
Armouring				
1. Number and Dimension of Steel Tape	/mm	2 (40 X 0.3)	Galvanized Steel Tape	min = 261.8 kg max = 267.6 kg
2. Max Open gap or Each Steel Tape	%	50		
3. Min Overlap Between Steep Tape	%	15		
4. Outer Diameter Approx	mm	26.8		
Outer Sheathing				
5. Thickness of Sheath (nominal)	mm	1.8	PE Sheath = DFDJ 0588 or 1002 CJV or Neste NC 6024 or BPDV 2007603 DFDE 0588	min = 170.3 kg max = 183.0 kg
6. Min Thickness at any point	mm	1.23		
7. Colour of Sheath	-	Black		
8. Outer Diameter Approx	mm	30.8		
Marking of Cable by Emboss = TEL T-EDKJ (Pem) E JEMBOCABLE "Year" Length Mark				
Electrical Test				
1. AC Voltage tes = core to screen	volt/min	1000/1		
2. Max. Conductor Resistance at 20 C	ohm/min	65		
3. Max. Unbalance Resistance at 20 C	%	1.2		
4. Min. Insulation Resistance at 20 C	m.ohm.km	10000		
5. Max. Mutual Capacitance	hf/km	55		
6. Max Capacitance Unbalance at 800 / Hz				
* Between pair in each quad	PF/300 m	400		
* Between pair kifferent quad	PF/300 m	300		
* Between pair and screen	PF/300 m	800		
Packing				
1. Type and size of drum			Wooden drum 181	1 pcs
2. Standard length of packing	m	1000		
3. Net Weight	kg	1365	End cap 1614	2 pcs
4. Gross Weight	kg	1950		

WEEKLY FINISHED GOOD STOCK DATA

DATE : 31/01/97

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TIME : 12:06:48

H O N E C A B L E

C A B L E T Y P E	S O P		P R O D U C T I O N		M A R K E T I N G		N O T E
	H A S P E L	L E N G T H	H A S P E L	L E N G T H	H A S P E L	L E N G T H	
CABLE	20x2x0.60	0	0	3	396	0	0
	30x2x0.60	0	0	1	70	0	0
	40x2x0.60	0	0	2	160	0	0
	50x2x0.60	0	0	2	760	0	0
	60x2x0.60	0	0	2	196	0	0
	80x2x0.60	1	1,000	1	119	0	0
	100x2x0.60	0	0	4	381	0	0
	120x2x0.60	0	0	1	696	0	0
	20x2x0.80	0	0	3	739	0	0
	30x2x0.80	0	0	1	169	0	0
	50x2x0.80	0	0	2	538	0	0
	60x2x0.80	0	0	3	1,021	0	0
	80x2x0.80	0	0	8	2,894	0	0
	100x2x0.80	0	0	12	3,646	0	0
	10x2x1.00	0	0	1	1,050	0	0
BLE	200x2x0.40	0	0	1	443	0	0
	800x2x0.40	0	0	2	365	0	0
	1200x2x0.40	1	250	2	191	0	0
	200x2x0.60	0	0	3	574	0	0
	400x2x0.60	0	0	1	500	0	0
	1000x2x0.60	0	0	1	110	0	0
	1200x2x0.60	0	0	1	103	0	0
	200x2x0.80	0	0	1	412	0	0
LLY	200x2x0.40	0	0	1	72	0	0
	800x2x0.40	0	0	3	1,149	0	0
	1000x2x0.40	0	0	1	130	0	0
	200x2x0.60	0	0	1	230	0	0
	300x2x0.60	0	0	2	198	0	0
	400x2x0.60	0	0	1	120	0	0
	800x2x0.60	0	0	1	40	0	0
WTC	100x2x0.40	0	0	2	460	0	0
	200x2x0.40	0	0	2	726	0	0
	300x2x0.40	0	0	9	1,455	0	0
	400x2x0.40	0	0	1	117	0	0
	800x2x0.40	0	0	2	244	0	0
	1000x2x0.40	0	0	2	89	0	0
	1200x2x0.40	0	0	1	119	0	0
	1800x2x0.40	0	0	2	137	0	0
	2000x2x0.40	0	0	1	82	0	0
	2400x2x0.40	0	0	3	301	0	0
SUB TOTAL		2	1,250	93	21,702	0	0

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WEEKLY FINISHED GOOD STOCK DATA

DATE : 31/01/97

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PHONE CABLE

CABLE TYPE	S O P		PRODUCTION		MARKETING		NOTE
	HASPEL	LENGTH	HASPEL	LENGTH	HASPEL	LENGTH	
S DJTC	400x2x0.60	0	0	1	57	0	0
	500x2x0.60	0	0	5	890	0	0
	600x2x0.60	0	0	3	298	0	0
	800x2x0.60	0	0	1	15	0	0
	1000x2x0.60	0	0	3	130	0	0
	1200x2x0.60	3	602	5	545	0	0
	1400x2x0.60	0	0	7	637	0	0
	100x2x0.80	0	0	1	58	0	0
	300x2x0.80	1	140	3	368	0	0
	400x2x0.80	0	0	6	766	0	0
	500x2x0.80	0	0	1	80	0	0
	600x2x0.80	0	0	1	22	0	0
	800x2x0.80	0	0	1	57	0	0
DTC	100x2x0.60	0	0	1	410	0	0
JATC	100x2x0.40	0	0	1	298	0	0
	200x2x0.40	0	0	3	448	0	0
	300x2x0.40	0	0	1	60	0	0
	400x2x0.40	0	0	2	191	0	0
	600x2x0.40	0	0	1	60	0	0
	1000x2x0.40	0	0	4	492	0	0
	1400x2x0.40	0	0	1	71	0	0
	1600x2x0.40	0	0	1	264	0	0
	2400x2x0.40	1	260	0	0	0	0
	200x2x0.60	0	0	1	35	0	0
	300x2x0.60	0	0	1	80	0	0
	800x2x0.60	0	0	2	94	0	0
	300x2x0.80	1	491	2	237	0	0
	500x2x0.80	0	0	1	280	0	0
	600x2x0.80	0	0	1	50	0	0
CABLE	40x2x0.60	0	0	0	0	2	2,000
	50x2x0.60	0	0	0	0	3	1,510
	60x2x0.60	0	0	0	0	3	3,000
ARMOUR	10x2x0.40	2	1,312	0	0	0	0
	20x2x0.40	1	500	1	85	0	0
	30x2x0.40	1	560	3	486	0	0
	40x2x0.40	2	660	3	796	0	0
	50x2x0.40	0	0	12	4,849	0	0
	60x2x0.40	2	700	12	1,819	0	0
	80x2x0.40	1	740	1	59	0	0
	100x2x0.40	1	121	1	248	0	0
SUB TOTAL		16	6,086	94	15,335	8	6,510

WEEKLY FINISHED GOOD STOCK DATA

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H O N E C A B L E

C A B L E T Y P E	S O P		P R O D U C T I O N		M A R K E T I N G		N O T E
	H A S P E L	L E N G T H	H A S P E L	L E N G T H	H A S P E L	L E N G T H	
ARMOUR 200x2x0.40	2	325	2	192	0	0	
400x2x0.40	0	0	3	189	0	0	
800x2x0.40	0	0	1	193	0	0	
1200x2x0.40	0	0	1	188	0	0	
10x2x0.60	1	350	1	300	0	0	
30x2x0.60	3	2,590	3	644	0	0	
40x2x0.60	4	2,433	1	400	0	0	
60x2x0.60	0	0	6	1,064	0	0	
80x2x0.60	0	0	4	936	0	0	
100x2x0.60	1	200	1	206	0	0	
150x2x0.60	0	0	1	488	0	0	
200x2x0.60	1	568	1	96	0	0	
300x2x0.60	0	0	1	228	0	0	
400x2x0.60	0	0	3	549	0	0	
500x2x0.60	0	0	2	170	0	0	
600x2x0.60	0	0	2	148	0	0	
800x2x0.60	0	0	3	389	0	0	
20x2x0.80	0	0	5	1,504	0	0	
30x2x0.80	0	0	4	664	0	0	
40x2x0.80	0	0	2	307	0	0	
50x2x0.80	0	0	1	150	0	0	
60x2x0.80	0	0	7	1,898	0	0	
80x2x0.80	0	0	1	140	0	0	
100x2x0.80	1	33	6	888	0	0	
200x2x0.80	0	0	1	81	0	0	
300x2x0.80	0	0	2	313	0	0	
400x2x0.80	0	0	14	3,428	0	0	
1x2x0.60	0	0	1	38,000	0	0	
LE 20x2x0.60	0	0	1	1,000	0	0	

SUB TOTAL	13	6,499	81	54,753	0	0	

T O T A L	31	13,835	268	91,790	8	6,510	

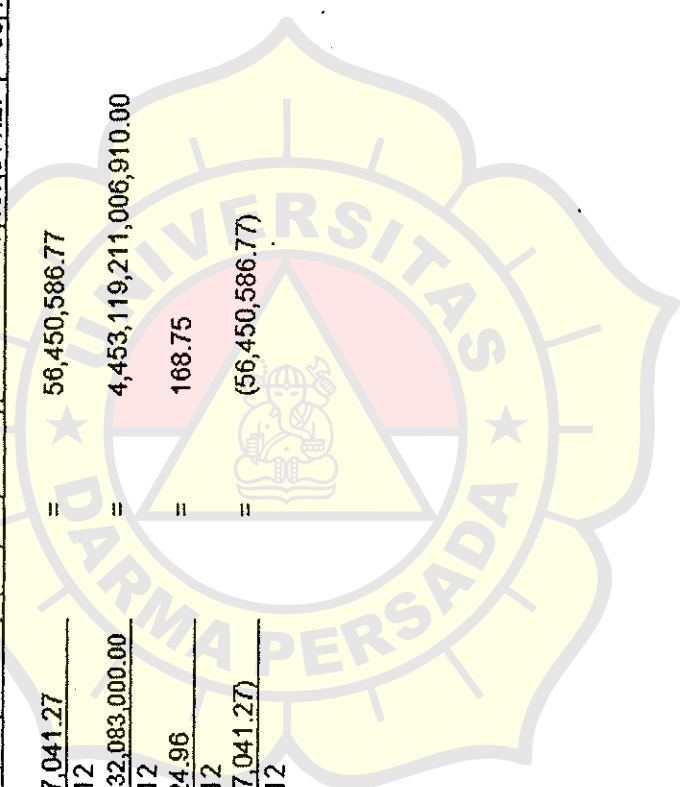
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	JUMLAH			Perc. Error
13	81,649,096.00	90,124,902.63	(8,475,806.63)	8,475,806.63	71,839,298,057,997.10	-10,380,772.17	10,380,772.17									
14	61,299,584.00	94,467,255.46	(33,167,671.46)	33,167,671.46	1,100,094,430,103,240.00	-54,107,498.45	54,107,498.45									
15	45,473,575.00	98,809,608.29	(53,336,033.29)	53,336,033.29	2,844,732,447,010,040.00	-117,290,169.7	117,290,169.7									
16	78,132,233.00	103,151,961.12	(25,019,728.12)	25,019,728.12	625,986,795,084,409.00	-32,022,287.3	32,022,287.3									
17	90,993,613.00	107,494,313.95	(16,500,700.95)	16,500,700.95	272,273,131,722,095.00	-18,133,911.16	18,133,911.16									
18	60,588,326.00	111,836,666.78	(51,248,340.78)	51,248,340.78	2,626,392,432,196,500.00	-84,584,513.48	84,584,513.48									
19	80,201,066.00	116,179,019.60	(35,977,953.60)	35,977,953.60	1,294,413,145,512,120.00	-44,859,695.01	44,859,695.01									
20	39,398,045.00	120,521,372.43	(81,123,327.43)	81,123,327.43	6,580,994,253,704,530.00	-205,906,987.1	205,906,987.1									
21	81,140,310.00	124,863,725.26	(43,723,415.26)	43,723,415.26	1,911,737,042,092,170.00	-53,886,182.17	53,886,182.17									
22	26,064,714.00	129,206,078.09	(103,141,364.09)	103,141,364.09	10,638,140,986,293,000.00	-395,712,625.5	395,712,625.5									
23	19,646,328.00	133,548,430.92	(113,902,102.92)	113,902,102.92	12,973,689,049,237,200.00	-579,762,808.2	579,762,808.2									
24	26,100,187.00	137,890,783.75	(111,790,596.75)	111,790,596.75	12,497,137,521,069,600.00	-428,313,393.9	428,313,393.9									
	690,687,077.00	1,368,094,118.27	(677,407,041.27)	677,407,041.27	53,437,430,532,083,000.00	(2,024.96)	2,024.96									

$$\text{MAD} = \frac{677,407,041.27}{12} = 56,450,586.77$$

$$\text{MSE} = \frac{53,437,430,532,083,000.00}{12} = 4,453,119,211,006,910.00$$

$$\text{MAPE} = \frac{2,024.96}{12} = 168.75$$

$$\text{MFE} = \frac{(677,407,041.27)}{12} = (56,450,586.77)$$



VERIFIKASI PERAMALAN

t	Yt	Yt - Yt	Yt	Yt - Yt	MRk
1	81,649,096.00	142,233,136.58	60,584,040.58	-	
2	61,299,584.00	146,575,489.40	85,275,905.40	24,691,864.83	
3	45,473,575.00	150,917,842.23	105,444,267.23	20,168,361.83	
4	78,132,233.00	155,260,195.06	77,127,962.06	28,316,305.17	
5	90,993,613.00	159,602,547.89	68,608,934.89	8,519,027.17	
6	60,588,326.00	163,944,900.72	103,356,574.72	34,747,639.83	
7	80,201,066.00	168,287,253.55	88,086,187.55	15,270,387.17	
8	39,398,045.00	172,629,606.38	133,231,561.38	45,145,373.83	
9	81,140,310.00	176,971,959.21	95,831,649.21	37,399,912.17	
10	26,064,714.00	181,314,312.03	155,249,598.03	59,417,948.83	
11	19,646,328.00	185,656,664.86	166,010,336.86	10,760,738.83	
12	26,100,187.00	189,999,017.69	163,898,830.69	2,111,506.17	
78.00	690,687,077.00	1,993,392,925.60	1,302,705,848.60	286,549,065.83	

$$MR = \frac{286,549,066}{78} = 3,673,706.49$$

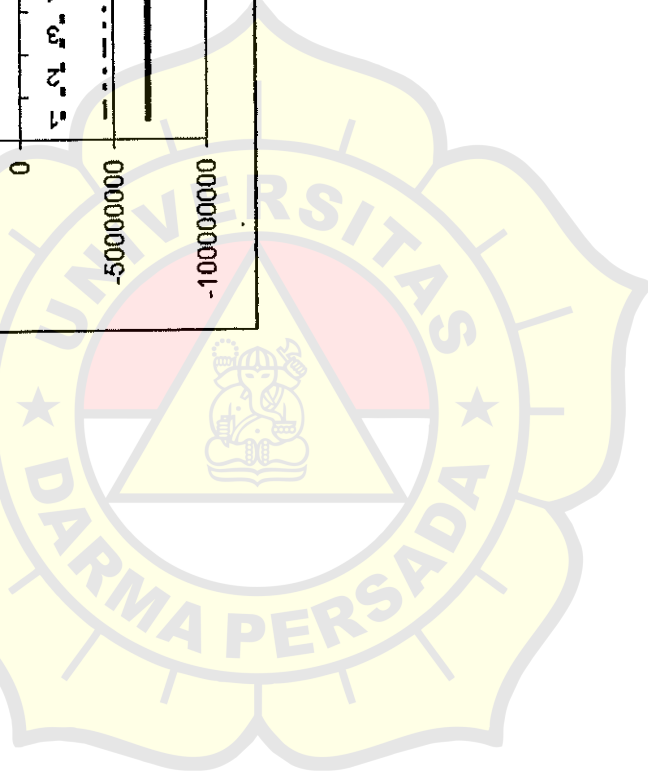
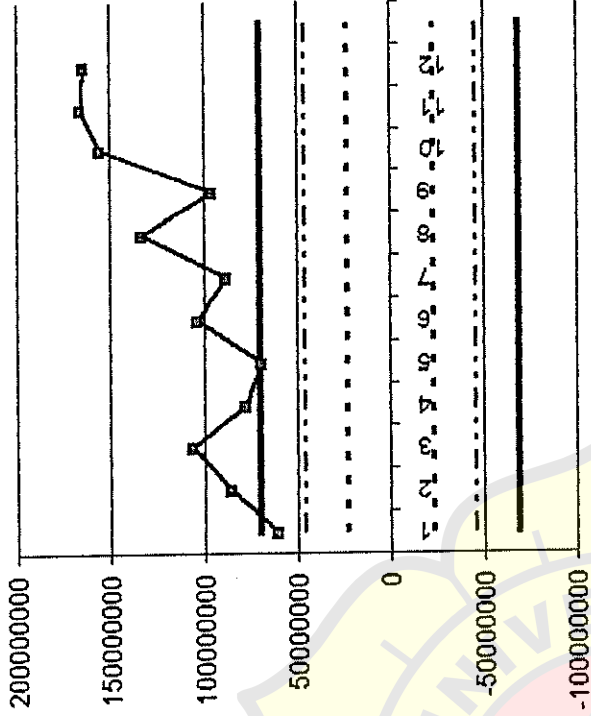
$$MR = \frac{26,049,915.08}{78} = 333,973.27$$

$$UCL = \bar{MR} + 2.66 MR = 3,673,706.49 + 2.66 \times 3,673,706.49 = 13,611,111.11$$

$$LCL = \bar{MR} - 2.66 MR = 3,673,706.49 - 2.66 \times 3,673,706.49 = -6,263,698.13$$

$$A = \pm 1.77 \times \bar{MR} = \pm 1.77 \times 3,673,706.49 = \pm 6,502,460.49$$

$$B = \pm 0.89 \times \bar{MR} = \pm 0.89 \times 3,673,706.49 = \pm 3,269,599.77$$



VERIFIKASI PERAMALAN

t	Yt	Yt'	Yt' - Yt	MR
1	81,649,096.00	25,352,975.74	(56,296,120.26)	-
2	61,299,584.00	23,769,830.22	(37,529,753.78)	18,766,366.48
3	45,473,575.00	22,186,684.69	(23,286,890.31)	14,242,863.48
4	78,132,233.00	20,603,539.17	(57,528,693.83)	34,241,803.52
5	90,993,613.00	19,020,393.65	(71,973,219.35)	14,444,525.52
6	60,588,326.00	17,437,248.13	(43,151,077.87)	28,822,141.48
7	80,201,066.00	15,854,102.61	(64,346,963.39)	21,195,885.52
8	39,398,045.00	14,270,957.09	(25,127,087.91)	39,219,875.48
9	81,140,310.00	12,687,811.56	(68,452,498.44)	43,325,410.52
10	26,064,714.00	11,104,666.04	(14,960,047.96)	53,492,450.48
11	19,646,328.00	9,521,520.52	(10,124,807.48)	4,835,240.48
12	26,100,187.00	7,938,375.00	(18,161,812.00)	8,037,004.52
78	690,687,077	199,748,104	(490,938,973)	280,623,567

MR = 280,623,567

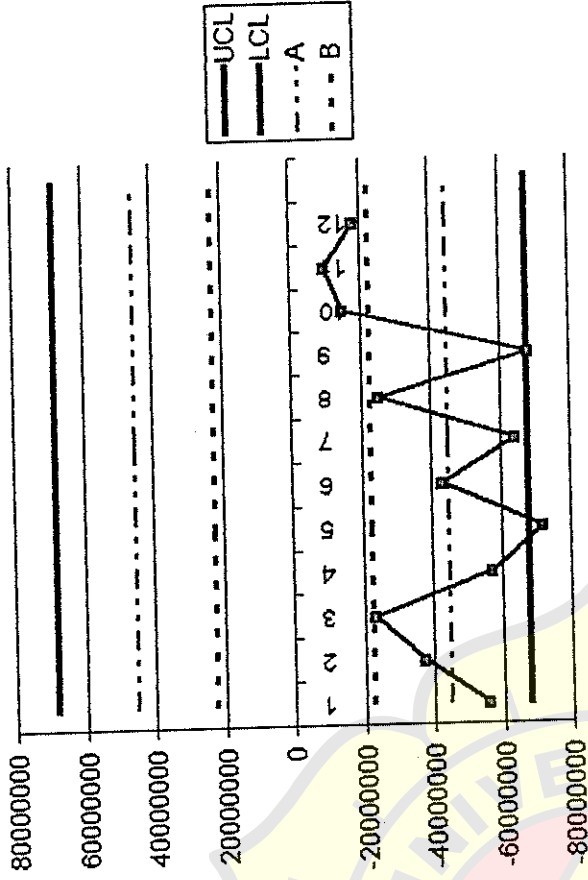
MR = $\sum \frac{MR}{N}$ = 25,511,233.41

UCL = + 2.66 MR = 67,859,880.86

LCL = - 2.66 MR = -67,859,880.86

A = $\pm 1.77x \overline{MR}$ = 45,154,883.13

B = $\pm 0.89x \overline{MR}$ = 22,704,997.73



Penghitungan Qij "

Famili Produk I	Jenis Produk j	Ongkos Pesan (Rp) Ai	Jumlah Permintaan Dij	Suku Bunga Per Tahun I	Jumlah yang diharapkan (sckm) 2 X (Ai X Dij) dalam 1,000,000	Harga jual (Rp) c	Ongkos simpan (Rp) hij	Ongkos Per Tahun, hij X Dij dalam 1,000,000	Jumlah Ekonomis Qij" (sckm / th)
A E R I A L C A B L E	10 X 2 X 0,4	1.000.000	77.455	0,20	154.910	154.910	159.840	12.380	65.088.235
	20 X 2 X 0,4	1.000.000	204.200	0,20	4.084.000	4.084.000	159.840	32.639	12.512.638
	40 X 2 X 0,4	1.000.000	366.152	0,20	633.724	633.724	159.840	58.526	10.828.076
	60 X 2 X 0,4	1.000.000	204.200	0,20	408.400	408.400	159.840	32.639	12.512.638
	100 X 2 X 0,4	1.000.000	190.117	0,20	380.234	380.234	159.840	30.388	11.649.683
	10 X 2 X 0,6	1.000.000	267.572	0,20	535.194	535.194	159.840	42.769	12.512.427
	20 X 2 X 0,6	1.000.000	506.979	0,20	1.013.958	1.013.958	159.840	81.036	12.512.439
	30 X 2 X 0,6	1.000.000	316.862	0,20	6.337.541	6.337.541	159.840	50.647	12.512.567
	40 X 2 X 0,6	1.000.000	598.517	0,20	1.197.034	1.197.034	159.840	95.667	12.512.507
	50 X 2 X 0,6	1.000.000	140.828	0,20	281.656	281.656	159.840	22.510	12.512.483
	60 X 2 X 0,6	1.000.000	394.317	0,20	788.634	788.634	159.840	63.028	12.513.035
	80 X 2 X 0,6	1.000.000	345.028	0,20	690.056	690.056	159.840	55.149	12.512.576
	100 X 2 X 0,6	1.000.000	2.084.248	0,20	4.168.496	4.168.496	159.840	333.146	12.512.520
	10 X 2 X 0,8	1.000.000	56.331	0,20	112.662	112.662	159.840	9.004	12.512.439
	20 X 2 X 0,8	1.000.000	63.372	0,20	1.126.744	1.126.744	159.840	10.129	12.512.439
	30 X 2 X 0,8	1.000.000	98.579	0,20	197.158	197.158	159.840	15.757	12.512.407
	40 X 2 X 0,8	1.000.000	168.993	0,20	337.986	337.986	159.840	27.012	12.512.439
	60 X 2 X 0,8	1.000.000	98.579	0,20	197.458	197.458	159.840	26.946	12.512.407
80 X 2 X 0,8	1.000.000	98.579	0,20	1.971.581	1.971.581	159.840	15.823	12.512.407	
100 X 2 X 0,8	1.000.000	506.979	0,20	1.013.958	1.013.958	159.840	81.036	12.512.439	
Drop Wire	1 X 2 X 0,6	1.000.000	2.584.186	0,20	5.168.372	5.168.372	159.840	82.617	62.558.214
Indoor Cable	2 X 2 X 0,6	1.000.000	21.124	0,20	42.248	42.248	159.840	3.376	12.514.218
	30 X 2 X 0,6	1.000.000	140.828	0,20	281.656	281.656	159.840	22.510	12.512.483
Jumper Wire	100 X 2 X 0,6	1.000.000	119.703	0,20	2.309.409	2.309.409	159.840	19.133	12.512.884
	1 X 2 X 0,6	1.000.000	161.952	0,20	323.904	323.904	159.840	256	12.512.710
AIPHONE CABLE	4 X 2 X 0,6	1.000.000	937.169	0,20	234.292	7.495	159.840	553.417.038	423
	6 X 2 X 0,6	1.000.000	140.928	0,20	35.232	2.505	159.840	12.514.404	2815
	7 X 2 X 0,6	1.000.000	845.557	0,20	21.139	8.709	159.840	4.505.197	4692
	8 X 2 X 0,6	1.000.000	91.603	0,20	22.900	11.750	159.840	5.287.325	4998
	9 X 2 X 0,6	1.000.000	105.696	0,20	26.424	9.499	159.840	7.039.354	42610
	10 X 2 X 0,6	1.000.000	119.789	0,20	29.947	10.500	159.840	9.041.674	3312
	12 X 2 X 0,6	1.000.000	140.928	0,20	35.232	6.050	159.840	12.525.681	2813

100 X 2 x 0,8	5	4.645.268	436.566	4.208.707,00	4.208.702	0,08	336.696
200 X 2 X 0,8	5	149.847	218.283	-68.431,00	-68.436	0,08	-5.475
300 X 2 X 0,8	48	149.847	7.041	142.854,00	142.806	0,08	11.424
400 X 2 X 0,8	48	149.847	7.041	142.854,00	142.806	0,08	11.424
500 X 2 X 0,8	20	299.695	7.041	292.674,00	292.654	0,08	23.412
600 X 2 X 0,8	21	1.648.321	14.083	1.634.259,00	1.634.238	0,08	130.739



KENGGHILUNGAN EXPECTED QUANTITY SETELAH PENYESUAIAN

Famili Produk I	Jenis Produk j	Perencanaan Agregat P _{ij} t	Jumlah Persediaan I _{ij} t-1	Jumlah Permintaan D _{ij} t	Inventori I _{ij} t	Jumlah Yang diharapkan	Faktor Penyesuaian dengan Kapasitas Aktual	Expected Quantity setelah Penyesuaian
	10 X 2 X 0,4	2.486	1.648	77.455	-73.321,00	-75.807	0,08	-6.065
	20 X 2 X 0,4	5.932	4.345	204.200	-193.923,00	-199.855	0,08	-15.988
	40 X 2 X 0,4	513	7.792	366.152	-357.847,00	-358.360	0,08	-28.669
	60 X 2 X 0,4	593	4.345	204.200	-199.262,00	-199.855	0,08	-15.988
A	100 X 2 X 0,4	350	4.046	190.117	-185.721,00	-186.071	0,08	-14.886
E	10 X 2 X 0,6	472	5.694	267.572	-261.406,00	-261.878	0,08	-20.950
R	20 X 2 X 0,6	593	10.789	506.979	-495.597,00	-496.190	0,08	-39.695
I	30 X 2 X 0,6	593	6.743	316.862	-309.526,00	-310.119	0,08	-24.810
A	40 X 2 X 0,6	593	12.737	598.517	-585.187,00	-585.780	0,08	-46.862
L	50 X 2 X 0,6	376	2.997	140.828	-137.455,00	-137.831	0,08	-11.026
C	60 X 2 X 0,6	376	8.391	394.317	-385.550,00	-385.926	0,08	-30.874
A	80 X 2 X 0,6	59	7.342	345.028	-337.627,00	-337.686	0,08	-27.015
B	100 X 2 X 0,6	-	44.354	2.084.248	-	-2.039.894	0,08	-163.192
L	10 X 2 X 0,8	-	1.199	56.331	-	-55.132	0,08	-4.411
E	20 X 2 X 0,8	-	1.348	63.372	-	-62.024	0,08	-4.962
	30 X 2 X 0,8	-	2.097	98.579	-	-96.482	0,08	-7.719
	40 X 2 X 0,8	593	3.596	168.993	-164.804,00	-165.397	0,08	-13.232
	60 X 2 X 0,8	593	3.596	98.579	-94.390,00	-94.983	0,08	-7.599
	80 X 2 X 0,8	110	10.789	98.579	-87.680,00	-87.790	0,08	-7.023
	100 X 2 X 0,8	38	10.789	506.979	-496.152,00	-496.190	0,08	-39.695
Drop Wire	1 X 2 X 0,6	2.055	544.994	2.584.186	-2.037.137,00	-2.039.192	0,08	-163.135
Indoor Cable	2 X 2 X 0,6	393	449	21.124	-20.282,00	-20.675	0,08	-1.654
	30 X 2 X 0,6	411	2.986	140.828	-137.421,00	-137.832	0,08	-11.027
Jumper Wire	100 X 2 X 0,6	411	2.547	119.703	-116.745,00	-117.156	0,08	-9.372
	1 X 2 X 0,6	4.109	3.446	161.952	-154.397,00	-158.506	0,08	-12.680
INDOOR	1 X 2 X 0,6	4.109	7.492	352.069	-340.468,00	-344.577	0,08	-27.566
CABLE (R.VV)	2 X 2 X 0,6	4.112	749	35.207	-30.346,00	-34.458	0,08	-2.757
	10 X 2 X 0,6	4.112	599	2.866	1.845,00	-2.267	0,08	-181
	20 X 2 X 0,6	411	299	14.083	-13.373,00	-13.784	0,08	-1.103
DUCT JELLY	250 X 2 X 0,6	10	4.045	190.117	-186.062,00	-186.072	0,08	-14.886
	600 X 2 X 0,6	41	12.137	570.352	-558.174,00	-558.215	0,08	-44.657

	60 X 2 X 0,8	1.000.000	77.455	0,20	5.189	4.320	159.480	24.761	6.256.209
	100 X 2 X 0,8	1.000.000	570.352	0,20	6.790	8.213	159.480	22.490	230.725
	200 X 2 X 0,8	1.000.000	316.862	0,20	140.704	8.200	159.480	10.129	670.352
	100 X 2 X 0,4	1.000.000	56.331	0,20	112.662	5.490	159.480	18.008	6.256.219
	200 X 2 X 0,4	1.000.000	56.331	0,20	112.662	4.890	159.480	18.008	6.256.219
	300 X 2 X 0,4	1.000.000	168.993	0,20	337.986	6.143	159.480	54.024	6.256.219
	400 X 2 X 0,4	1.000.000	7.041	0,20	14.082	6.799	159.480	2.251	6.255.886
	600 X 2 X 0,4	1.000.000	126.745	0,20	253.490	7.021	159.480	40.518	6.256.232
	800 X 2 X 0,4	1.000.000	168.993	0,20	337.986	7.879	159.480	54.024	6.256.219
	1000 X 2 X 0,4	1.000.000	63.372	0,20	126.744	7.970	159.480	20.259	6.256.182
	1200 X 2 X 0,4	1.000.000	105.621	0,20	211.242	8.501	159.480	33.765	3.753.709
	1400 X 2 X 0,4	1.000.000	49.289	0,20	98.578	8.459	159.480	15.757	6.256.140
	1600 X 2 X 0,4	1.000.000	98.579	0,20	197.158	8.050	159.480	31.514	6.256.204
	1800 X 2 X 0,4	1.000.000	7.041	0,20	14.082	8.249	159.480	2.251	13.406.232
	2000 X 2 X 0,4	1.000.000	42.248	0,20	84.496	6.359	159.480	13.506	87.586.850
	2400 X 2 X 0,4	1.000.000	21.124	0,20	42.248	6.970	159.480	6.753	1.042.648
	1000 X 2 X 0,6	1.000.000	77.455	0,20	211.242	11.570	159.480	33.794	12.512.365
	200 X 2 X 0,6	1.000.000	105.621	0,20	675.972	12.251	159.480	108.047	6.250.873
	300 X 2 X 0,6	1.000.000	337.986	0,20	1.337.862	7.349	159.480	213.844	6.256.277
	400 X 2 X 0,6	1.000.000	668.931	0,20	168.994	8.678	159.480	27.012	6.256.252
	800 X 2 X 0,6	1.000.000	84.497	0,20	1.506.856	9.134	159.480	240.856	6.256.256
	1000 X 2 X 0,6	1.000.000	753.428	0,20	168.994	10.231	159.480	27.012	6.256.253
	1200 X 2 X 0,6	1.000.000	309.821	0,20	619.642	7.970	159.480	240.856	6.256.256
	1400 X 2 X 0,6	1.000.000	2.746.138	0,20	54.992.276	6.970	159.480	27.012	6.256.229
	100 X 2 X 0,8	1.000.000	2.114	0,20	4.228	11.241	159.480	99.044	6.256.257
	150 X 2 X 0,8	1.000.000	7.041	0,20	14.082	12.289	159.480	8.789.965	6.254.438
	200 X 2 X 0,8	1.000.000	7.041	0,20	14.082	10.300	159.480	676	62.493.708
	300 X 2 X 0,8	1.000.000	7.041	0,20	14.082	9.989	159.480	2.251	6.255.886
	400 X 2 X 0,8	1.000.000	7.041	0,20	70.414	7.033	159.480	2.251	6.255.886
	600 X 2 X 0,8	1.000.000	35.207	0,20	746.386	8.678	159.480	2.251	6.255.886
	800 X 2 X 0,8	1.000.000	195.046	0,20	390.092	9.134	159.480	11.255	6.256.142
	1000 X 2 X 0,8	1.000.000	373.193	0,20	62.352	10.231	159.480	119.302	6.256.274
	100 X 2 X 0,4	1.000.000	14.083	0,20	28.166	7.439	159.480	4.502	6.256.331
	200 X 2 X 0,4	1.000.000	77.455	0,20	154.910	5.263	159.480	24.761	6.256.209
	300 X 2 X 0,4	1.000.000	161.952	0,20	323.904	5.469	159.480	51.773	6.256.234
	400 X 2 X 0,4	1.000.000	91.538	0,20	183.076	6.596	159.480	29.263	6.256.228
	600 X 2 X 0,4	1.000.000	42.248	0,20	84.496	7.799	159.480	13.506	6.256.182
	800 X 2 X 0,4	1.000.000	42.248	0,20	84.496	5.579	159.480	13.506	6.256.182

Foam SDJTC

	1000 X 2 X 0,4	1.000.000	7.041	0,20	14.082	4.378	159.480	2.251	6.255.886
	1200 X 2 X 0,4	1.000.000	7.041	0,20	14.082	10.389	159.480	2.251	6.255.886
	100 X 2 X 0,6	1.000.000	837.924	0,20	1.675.848	9.579	159.480	267.867	6.256.269
	200 X 2 X 0,6	1.000.000	612.600	0,20	1.225.200	6.075	159.480	195.836	6.256.255
	300 X 2 X 0,6	1.000.000	852.007	0,20	1.704.014	7.119	159.480	272.370	6.256.247
	400 X 2 X 0,6	1.000.000	415.441	0,20	830.882	8.090	159.480	132.808	6.256.265
Foam SJATC	500 X 2 X 0,6	1.000.000	7.041	0,20	281.656	9.590	159.480	45.019	62.327.064
	600 X 2 X 0,6	1.000.000	859.048	0,20	281.656	10.079	159.480	45.019	62.327.064
	800 X 2 X 0,6	1.000.000	140.828	0,20	14.082	11.389	159.480	2.251	6.255.886
	1000 X 2 X 0,6	1.000.000	7.041	0,20	14.082	13.798	159.480	2.251	6.255.886
	1200 X 2 X 0,6	1.000.000	7.041	0,20	873.132	11.080	159.480	139.561	6.256.275
	100 X 2 x 0,8	1.000.000	436.566	0,20	436.566	9.900	159.480	697.809	625.624
	200 X 2 X 0,8	1.000.000	218.283	0,20	14.082	12.139	159.480	2.251	6.255.886
	300 X 2 X 0,8	1.000.000	7.041	0,20	14.082	10.279	159.480	2.251	6.255.886
	400 X 2 X 0,8	1.000.000	7.041	0,20	14.082	8.429	159.480	2.251	6.255.886
	500 X 2 X 0,8	1.000.000	7.041	0,20	28.166	6.738	159.480	4.562	6.174.046
	600 X 2 X 0,8	1.000.000	14.083	0,20	154.910	9.273	159.480	24.761	6.256.209

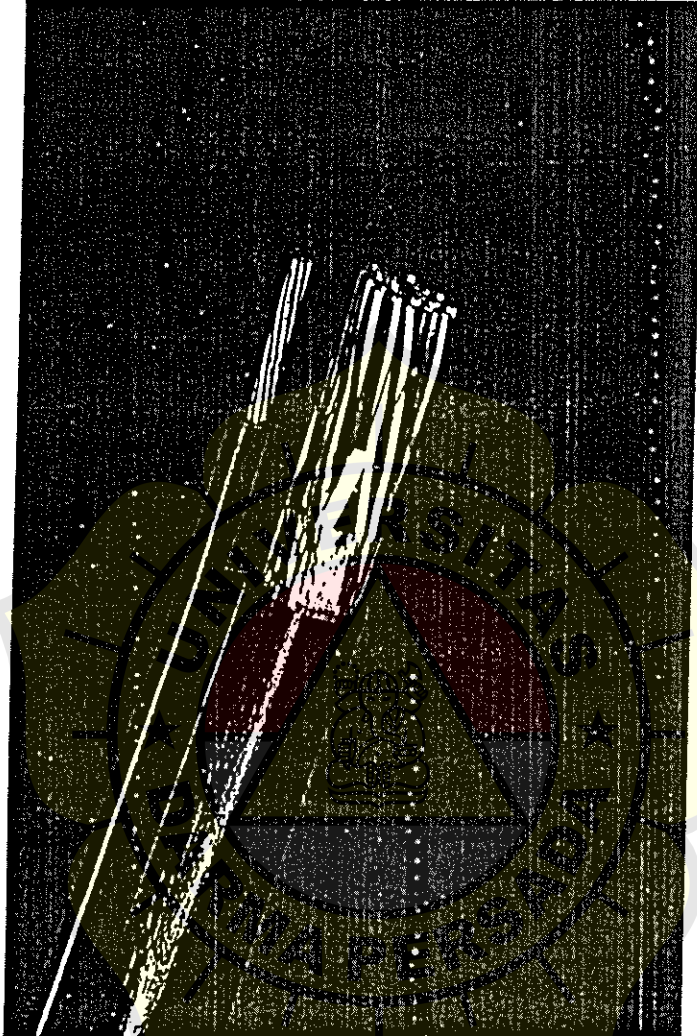


JADWAL INDUK PRODUKSI PER FAMILI PRODUK

Periode	Demand Peramalan	Proporsi	Famili Aerial Cable	Famili Dropwire	Famili Indoor Cable	Famili Jumper Wire	Famili Indor (R.W)	Famili Duct Jelly	Famili Jelly Armour
Januari	62.607,42	0,084	44.575	13.703	1.852	1.065	2.655	5.002	143.706
Februari	61.635,13	0,083	44.045	13.540	1.830	1.052	2.623	4.942	145.458
Maret	71.533,14	0,096	50.943	15.661	2.117	1.217	3.034	5.716	180.509
April	76.571,39	0,103	54.658	16.803	7.271	1.306	3.255	6.133	182.261
Mei	77.261,00	0,104	55.189	16.966	2.294	1.319	3.287	6.192	143.706
Juni	60.062,48	0,082	43.514	13.377	1.808	1.039	2.592	4.883	157.726
Juli	66.913,14	0,090	47.759	14.682	1.985	1.141	2.845	5.359	115.666
Agustus	48.867,69	0,066	35.024	10.767	1.455	837	2.086	3.929	99.893
September	42.283,78	0,057	30.248	9.299	1.257	723	1.802	3.394	68.348
Oktober	29.282,77	0,039	20.696	6.362	860	495	1.233	2.322	77.110
November	32.555,58	0,044	23.349	1.778	970	558	1.391	2.619	82.368
Desember	34.707,38	0,047	24.941	7.667	1.036	596	1.486	2.798	

AERIAL CABLE

TAB
C
C



Type : U-E (Pe) E S

Specification : STEL-K-001/SII.0611-82

Application : Self Supporting Telephone
Overhead on the Outskirt of
Cities and in Residential Area

Size Range : 10 ... 120 x 2 x 0.6 mm
10 ... 120 x 2 x 0.8 mm
10 ... 120 x 2 x 1.0 mm

Construction :

1. Conductor : Annealed Copper Wire
2. Insulation : Extruded Solid Polyethylene
3. Core Covering : Helically Overlapped Polyester Tape
4. Screen : Helically Overlapped Polyester Tape
5. Messenger : Stranded Galvanized Steel Wire
6. Sheath : Extruded Black Polyethylene

INDOOR CABLE



Type : R-VV

Specification : STEL-K-002/SII-0612-82

Construction

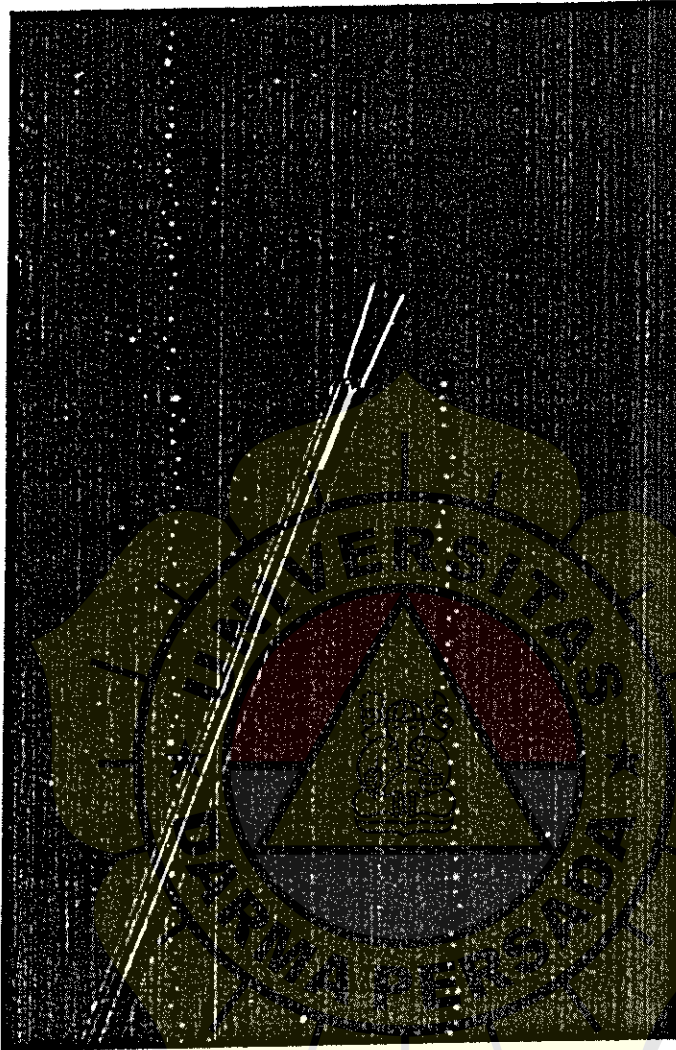
1. Copper Conductor
2. PVC Insulation
3. PVC Outer Sheath

CONSTRUCTIONS & CHARACTERISTICS

TABLE : 2

Capacity	Conductor Diameter	Wall Thickness		Overall Diameter • Approx	Net. Weight Approx	Insulation at 20°C		Standard Length m	Drum size
		Insulation	Sheath			Conductor	Insulation		
		Nom. mm	Nom. mm			MΩ/km	M Ohm/km		
Pairs	mm	mm	mm	mm	kg/km	Ohm/km	M Ohm/km	m	
1	0.6	0.20	0.7	3.5	19	65	100	500	COIL

DROP WIRE



Type : U-ES

Specification : STEL-K-004/SII-0614 82

Construction :

1. Copper Conductor
2. Galvanized Steel Wire Braid
3. Polyethylene Insulation

Type

Spec

CONSTRUCTIONS & CHARACTERISTICS

LE : 4

Capacity	Conductor Diameter	Insulation Thickness (mm)	Overall Diameter (Approx)	Net Weight (Approx) (kg/km)	Resistance at 20°C		Standard Length (m)	Drum Size
					Conductor (MΩ)	Insulation (MΩ.km)		
Wires	mm	mm	mm	kg/km	Ohm/km	M Ohm. Km.	m	
	0.6	0.75	5.0	26	65	10.000	500	COIL
	0.8	0.75	6.0	31	36.5	10.000	500	COIL

TABL

JUMPER WIRE



Rating : R V

Specification : STILL-K 006

Construction

1. Copper Conductor
2. PVC Insulation

CONSTRUCTIONS & CHARACTERISTICS

: 5

Quantity	Conductor Diameter	Insulation Thickness Nom	Resistance at 20 C		Length	Color
			Max Ohm/m	Min Ohm/m		
1	0.6	0.3	65	100	100	006

INDOOR CABLE

TAE



Type : R - V V

Specification : STEL-K-011/SII.0709-83

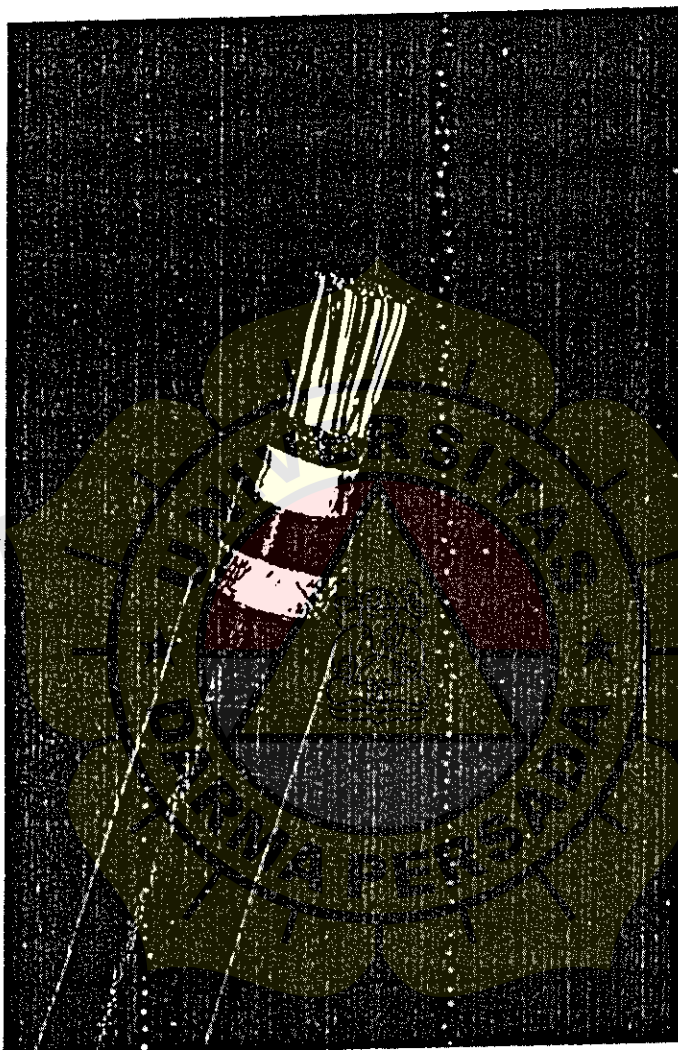
Application : Indoor Installations on Walls
Racks or in Duct

Size Range : 2..... 100 x 2 x 0.6 mm

Construction :

1. Conductor : Annealed Copper Wire
2. Insulation : Extruded Polyvinylchloride (PVC)
3. Core Covering : Helically Overlapped Polyester Tape
4. Sheath : Extruded Grey Polyvinylchloride (PVC)

JELLY FILLED ARMoured CABLE FOAM-SKIN POLYETHYLENE INSULATED



Type : T -- Ebk J (Pcm) E

Specification : G9/POSTEL/89

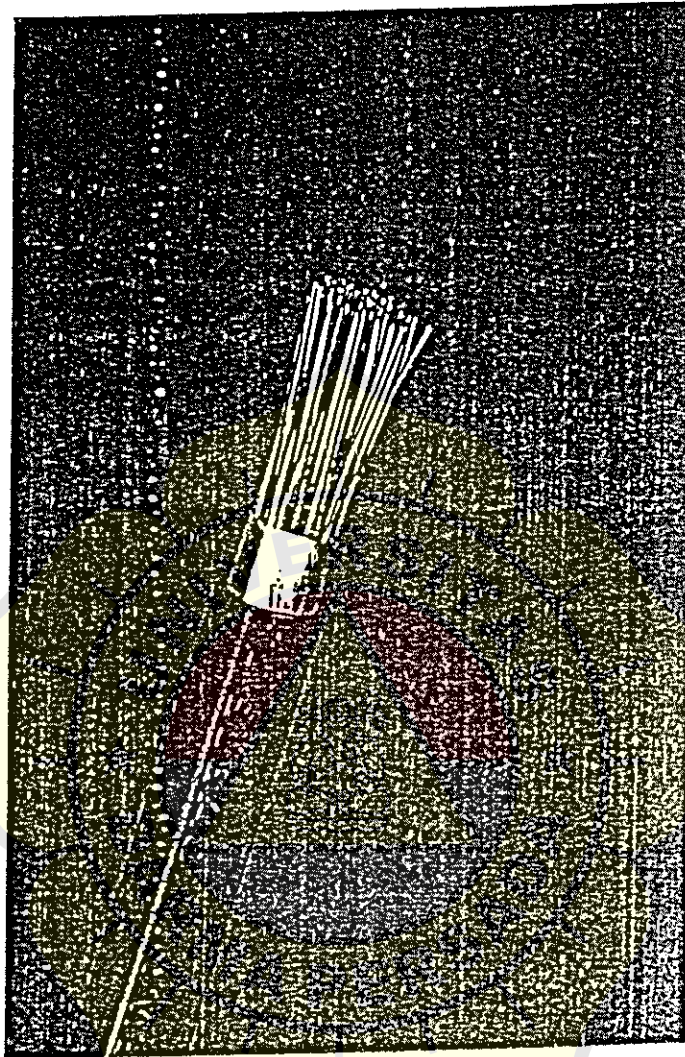
Application : Jelly Filled, Water Protective
Cable for Primary or Secondary
Circuit for Direct Burial/ Underground

Size Range : 100 2400 x 2 x 0.4 mm *
100..... 1400 x 2 x 0.6 mm
100 800 x 2 x 0.8 mm

Construction :

1. Conductor : Annealed Copper Wire
2. Insulation : Extruded Foam-Skin Polyethylene
3. Water Protective : Jelly Filling Compound
4. Core Covering : Helically Overlapped Crepe Paper Tape
5. Screen : Longitudinally Overlapped Lead Tape
6. Inner Sheath : Extruded Black Polyethylene
7. Armour : Helically Overlapped Galvanized
Steel Tape (Double Coated)
8. Sheath : Extruded Black Polyethylene

UNFILLED DUCT CABLE FOAM-SKIN POLYETHYLENE INSULATED



Type : Tp - E bk (Pe) E

Specification : 68/POSTEL/89

Application : Gas-Filled Duct Cable for Primary
Circuit, for Laying in Duct

Size Range : 100..... 2400 x 2 x 0.4 mm
100..... 1800 x 2 x 0.6 mm
100..... 1000 x 2 x 0.8 mm

Construction :

1. Conductor : Annealed Copper Wire
2. Insulation : Extruded Foam-Skin Polyethylene
3. Core Covering : Helically Overlapped Polyester Tape
4. Screen : Longitudinally Overlapped Aluminium Tape
5. Sheath : Extruded Black Polyethylene

JELLY FILLED ARMoured CABLE

TAF



Type : T - E J (Pem) E

Specification : STEL-K-007/SII.0617-82

Application : Cable for Secondary Circuit
Direct Burial / Underground

Size Range : 10..... 1200 x 2 x 0.4 mm
10..... 800 x 2 x 0.6 mm
10..... 400 x 2 x 0.8 mm

Construction :

1. Conductor : Annealed Copper Wire
2. Insulation : Extruded Solid Polyethylene
3. Water Protective : Jelly Filling Compound
4. Core Covering : Helically Overlapped Crepe Paper Tape
5. Screen : Longitudinally Overlapped Aluminum Tape
6. Inner Sheath : Extruded Black Polyethylene
7. Armour : Helically Overlapped Galvanized Steel Tape (Double Coated)
8. Outer Sheath : Extruded Black Polyethylene

JELLY FILLED DUCT CABLE

TA11
C
C



Type : Tp - E J (Pe) E

Specification : STEL-K-008/SII.0618-82

Application : Jelly Filled, Water Protective
Cable for Primary or Secondary
Circuit, for Laying in Duct

Size Range : 10 1200 x 2 x 0.4 mm
10..... 800 x 2 x 0.6 mm
10 400 x 2 x 0.8 mm

Construction :

1. Conductor : Annealed Copper Wire
2. Insulation : Extruded Solid Polyethylene
3. Water Protective : Jelly Filling Compound
4. Core Covering : Helically Overlapped Crepe Paper Tape
5. Screen : Longitudinally Overlapped Aluminium Tape
6. Outer Sheath : Extruded Black Polyethylene