

1. ANALISIS BIAYA DAN Skenario

Harga Bahan Baku, Tenaga dan Harga lainnya

Alternatif	1	2	3
CPO (in USD per ton)	1.080	1.080	1.100
Methanol (in USD per ton) CIF	493	493	493
Catalyst (in USD per ton - CIF	363	363	363
Biaya pemakaian bahan lainnya (in USD) dalam produksi 1 ton Biodiesel :			
Phosphoric acid	1,75	1,75	1,75
Activated carbon	0,32	0,32	0,32
Hydrochloric acid	1,10	1,10	1,10
Sodium methylate	0,02	0,02	0,02
Citric acid	1,41	1,41	1,41
Biaya pemakaian listrik dan air (in USD) dalam produksi 1 ton Biodiesel :			
Softened water (steam & process water)	0,26	0,26	0,26
Air batu	0,10	0,10	0,10
Electrical power	1,63	1,63	1,63

Kuantitas dan Harga Bahan Baku / Penolong (ton)-dalam-produksi 1 ton Biodiesel

CPO	1,080
Methanol	0,102
Catalyst	0,010

MPP - Labor dan Personnel Cost

Alternatif	1
Personnel Cost (Biaya Karyawan Tidak Langsung)	1.396.226.633
Labor Cost (Biaya Karyawan langsung)	774.602.003

Investasi pabrik

Alternatif	1
Asumsi pembayaran utk poin a, b, c, d & g = 65% di thn 2008 & 35% di thn 2009 (lainnya 100% di tahun 2008)	
Capacity	100.000
a Equipment (USD)	19.631.291
b Utility (electricity & water supply system) (IDR)	17.773.030.990
c Laboratorium dan alat pemeliharaan (USD)	141.297
d Perumahan, bangunan umum, dan bangunan kerja (IDR)	6.472.147.300
e Pembelian lahan (30 Ha utk pabrik dan perumahan @ Rp 25 juta/Ha) (IDR)	750.000.000
f Perizinan (IDR)	1.000.000.000
g Konsultansi (USD)	431.009

LAPORAN ANALISIS RISIKO, TUNJUK DAN SCENARIO

Depresiasi per tahun	
Mesin dan bangunan pabrik - 15 tahun	6,67%
Kendaraan dan laboratorium - 8 tahun	12,50%
Perumahan dan bangunan lainnya - 15 tahun	6,67%
Investasi	

Direktur	-
GM	-
Manager	250.000.000
Operasional	140.000.000
Asisten manager dan supervisor	190.950.000
TOTAL	580.950.000

Depresiasi per tahun	
Mesin dan bangunan pabrik - 15 tahun	6,67%

Pendanaan Investasi	
Shareholder	35%
Bank	65%

Pendanaan Modal Kerja	
Shareholder	100%
Bank	0%

Interest Rate - Bank Loan (asumsi pinjaman dalam Rupiah - no currency risk)	
Alternatif	1
Kredit Investasi / Investment Loan	12%
Kredit Modal Kerja / Working Capital Loan	12%

Taksiran Perbaikan	30%
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Jangka Waktu Pengembalian untuk Kredit Investasi (tahun)	6
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Keterangan:
 Untuk Direktur, General Manager, dan Manajer di luar Factory Manager tidak dianggarkan pembelian mobil karena pabrik biodiesel ini merupakan penambahan unit kerja yang sudah ada.
 Untuk Asisten Manager mendapat fasilitas sepeda motor seharga Rp 18.100.000 dan supervisor seharga Rp 14.350.000.

	1	2	3
	12%	13%	14%
	12%	13%	14%

Scenario	2007			2008			2009			2010			2011		
	0	1	2	0	1	2	0	1	2	0	1	2	0	1	2
Alternatif															
Kapasitas Produksi															
Biodiesel				44.550			44.550			89.100			89.100		
Glycerin, pharma. Grade				4.054			4.054			8.108			8.108		
PFAD-1				2.646			2.646			5.292			5.292		
PFAD-2				1.448			1.448			2.895			2.895		
Kapasitas Produksi				44.550 ton			44.550 ton			89.100 ton			89.100 ton		

Asumsi	2007			2008			2009			2010			2011		
	0	1	2	0	1	2	0	1	2	0	1	2	0	1	2
Penjualan - produk dari penjualan															
Inflasi Indonesia				1,065			1,065			1,065			1,065		
Biodiesel (USD/ton)				1.188			1.188			1.188			1.188		
Glycerin (USD/ton)				1.300			1.300			1.300			1.300		
PFAD-1 (USD/ton)				316			316			316			316		
PFAD-2 (USD/ton)				345			345			345			345		
Rate (Rp/USD)				9.000			9.261			9.529			9.806		
Penjualan Biodiesel				\$ 1.187,5			\$ 504.129.779.064			\$ 1.037.484.472.857			\$ 1.067.556.486.563		
Penjualan Glycerin				\$ 1.18,30			\$ 50.221.939.253			\$ 103.355.295.275			\$ 106.351.100.935		
Penjualan PFAD-1				\$ 18,77			\$ 7.967.791.259			\$ 16.397.483.461			\$ 16.872.772.836		
Penjualan PFAD-2				\$ 11,21			\$ 4.759.306.728			\$ 9.794.515.296			\$ 10.078.414.290		
Total Penjualan - produk dari penjualan				\$ 1.335,78			\$ 567.078.816.305			\$ 1.167.031.766.888			\$ 1.200.858.774.624		

Pengeluaran	2007			2008			2009			2010			2011		
	0	1	2	0	1	2	0	1	2	0	1	2	0	1	2
Kegiatan Produksi															
Inflasi Indonesia				1,065			1,065			1,065			1,065		
Inflasi USA				1,035			1,035			1,035			1,035		
CPO (USD/ton)				1.080			1.080			1.080			1.080		
Methanol (USD/ton)				493			493			493			493		
Catalyst (USD/ton)				363			363			363			363		
Bahan lainnya				4,61			4,61			4,61			4,61		
Utilitas-listrik & air (USD/ton Biodiesel)				1,99			1,99			1,99			1,99		
Biaya Pektora / Labor (IDR)				774.602.003			824.951.133			878.572.957			935.680.199		
Asuransi (IDR)				724.594.468			1.108.405.964			1.031.560.330			954.714.696		
Perawatan / Maintenance (USD)				646.513			646.513			646.513			646.513		
Admin & Overhead (IDR)				431.213.113			459.241.965			489.092.693			520.883.718		
Biaya Karyawan (IDR)				1.396.226.633			1.486.981.364			1.583.635.153			1.686.571.438		
Rate (Rp/USD)				9,261			9,529			9,806			10,090		

Scenario	2007	2008	2009	2010	2011
Raw Material (per ton biodiesel)					
Feed stock (CPO)	\$ 1.166,20		495.086.086.957	1.018.872.816.635	1.048.405.362.045
Methanol	\$ 50,29		21.349.958.199	43.937.595.135	45.211.148.617
Catalyst	\$ 3,63		1.541.045.135	3.171.426.220	3.263.351.618
Bahan lainnya	\$ 4,61		1.955.697.306	4.024.768.368	4.141.428.321
Sub Total Pembelian Bahan	\$ 1.224,72		519.932.787.597	1.070.006.606.358	1.101.021.290.601
Biaya Produksi / Conversion Costs					
Utilitas -listrik & air	\$ 1,99		421.653.077	1.735.499.619	1.785.803.956
Biaya Pekerja / Labor	\$ 0,94		412.475.567	878.572.957	935.680.199
Asuransi	\$ 0,88		1.108.405.964	1.031.560.330	954.714.696
Perawatan	\$ 6,47		3.080.409.957	6.339.394.403	6.523.144.966
Admin & Overhead	\$ 0,52		229.620.983	489.092.693	520.883.718
Biaya Karyawan	\$ 1,51		743.490.682	1.583.635.153	1.686.571.438
Sub Total Biaya Produksi	\$ 12,30		5.996.056.228	12.057.755.155	12.406.798.972
Total Pengeluaran Kegiatan Produksi	\$ 1.237,02		525.928.843.825	1.082.064.361.514	1.113.428.089.573
	\$ 98,76		11.805	12.144	12.496
Investasi Pembangunan Pabrik					
Equipment (IDR)	118.171.836.476	65%	65.475.365.361	1.065	1.065
Utility - electricity & water supply system (IDR)	12.303.380.703		6.624.897.302		
Laboratorium dan alat pemeliharaan (USD)	850.546.507		471.261.554		
Perumahan & bangunan lainnya (IDR)	4.480.343.968		2.412.492.906		
Pembelian Lahan (IDR)	750.000.000				
Perizinan (IDR)	1.000.000.000				
Konsultansi (IDR)	2.594.486.132		1.437.524.646		
Investasi Kendaraan					
Perolehan Kendaraan (IDR)		1,065	1.065	1.065	1,065
Total Pengeluaran Investasi	140.150.593.786		77.040.253.519		
Bunga Masa Pembangunan / IDC (Interest During Construction)		8.362.785.931	8.972.210.201		
Total Biaya Proyek	148.513.379.717		86.012.463.719		

	2007	2008	2009	2010	2011
		0	1	2	3

Pendanaan / Funding dari Bank		91.097.885.961	50.076.164.787		
Pendanaan dari Shareholder		49.052.707.825	26.964.088.731		
Modal Saham					
Pinjaman					
Total Dana Pemegang Saham		49.052.707.825	26.964.088.731		

Alokasi IDC ke investasi pabrik

Equipment (IDR)	7.285.930.674	7.816.880.888	183.647.201.837
Utility - electricity & water supply system (IDR)	750.951.389	805.675.736	18.928.278.004
Laboratorium dan alat pemeliharaan (USD)	52.440.777	56.262.312	1.321.808.060
Perumahan & bangunan lainnya (IDR)	273.463.092	293.391.265	6.892.836.875
	8.362.785.931	8.972.210.201	210.790.124.776

Setelah alokasi IDC

	Total '08-'09 (Dasar Penyusutan)		
Equipment (IDR)	125.457.767.150	73.292.246.248	198.750.013.398
Utility - electricity & water supply (IDR)	13.084.332.092	7.430.573.038	20.484.905.130
Laboratorium dan alat pemeliharaan (USD)	902.987.283	527.523.866	1.430.511.149
Perumahan & bangunan lainnya (IDR)	4.753.807.060	2.705.884.171	7.459.691.231
	228.125.120.908		

	1	2	3
Penyusutan			
Equipment (IDR)	6.625.000.447	13.250.000.893	13.250.000.893
Utility - electricity & water supply (IDR)	682.830.171	1.365.660.342	1.365.660.342
Laboratorium dan alat pemeliharaan (IDR)	178.813.894	178.813.894	178.813.894
Perumahan & bangunan lainnya (IDR)	248.656.374	497.312.749	497.312.749
Kendaraan (IDR)	77.338.969	77.338.969	77.338.969
Akumulasi Penyusutan	7.812.639.854	23.181.766.701	38.550.893.547

Investasi Kendaraan			
Indonesia	1,065	1,065	1,065

Nilai Perolehan (Kendaraan)

618.711.750

PERENCANAAN KEBUTUHAN DANA

	4 2012	5 2013	6 2014	7 2015	8 2016
Alternatif					
Kapasitas Produksi					
Biodiesel	89.100	89.100	89.100	89.100	89.100
Glycerin, pharma. Grade	8.108	8.108	8.108	8.108	8.108
PFAD-1	5.292	5.292	5.292	5.292	5.292
PFAD-2	2.895	2.895	2.895	2.895	2.895
Total Kapasitas Produksi	89.100 ton	89.100 ton	89.100 ton	89.100 ton	89.100 ton

	2012	2013	2014	2015	2016
Asumsi					
Penjualan					
Biodiesel (USD/ton)	1.065	1.065	1.065	1.065	1.065
Glycerin (USD/ton)	1.188	1.188	1.188	1.188	1.188
PFAD-1 (USD/ton)	1.300	1.300	1.300	1.300	1.300
PFAD-2 (USD/ton)	316	316	316	316	316
Rate (Rp/USD)	345	345	345	345	345
	10.382	10.683	10.993	11.311	11.639
Penjualan Biodiesel	1.098.500.152.840	1.130.340.736.980	1.163.104.236.603	1.196.817.402.881	1.231.507.762.385
Penjualan Glycerin	109.433.741.542	112.605.734.050	115.869.668.371	119.228.209.483	122.684.099.613
Penjualan PFAD-1	17.361.838.715	17.865.080.417	18.382.908.835	18.915.746.773	19.464.029.288
Penjualan PFAD-2	10.370.542.240	10.671.137.668	10.980.446.006	11.298.719.803	11.626.218.928
Total Penjualan - produk hari tersebut langsung terj.	1.235.666.275.338	1.271.482.689.116	1.309.337.259.815	1.346.260.078.940	1.385.282.110.213

	2012	2013	2014	2015	2016
Kegiatan Produksi					
Inflasi Indonesia	1.065	1.065	1.065	1.065	1.065
Inflasi USA	1.035	1.035	1.035	1.035	1.035
CPO (USD/ton)	1.080	1.080	1.080	1.080	1.080
Methanol (USD/ton)	493	493	493	493	493
Catalyst (USD/ton)	363	363	363	363	363
Bahan lainnya	4,61	4,61	4,61	4,61	4,61
Utilitas-listrik & air (USD/ton Biodiesel)	1,99	1,99	1,99	1,99	1,99
Biaya Pekerja / Labor (IDR)	996.499.412	1.061.271.874	1.130.254.546	1.203.721.091	1.281.962.962
Asuransi (IDR)	877.869.061	801.023.427	724.177.793	647.332.159	570.486.524
Perawatan / Maintenance (USD)	646.513	646.513	646.513	646.513	646.513
Admin & Overhead (IDR)	554.741.160	590.799.335	629.201.292	670.099.376	713.655.835
Biaya Karyawan (IDR)	1.796.198.581	1.912.951.489	2.037.293.336	2.169.717.403	2.310.749.034
Rate (Rp/USD)	10.382	10.683	10.993	11.311	11.639

LAMPIRAN 2 RINCIAN KEBUTUHAN DANA

	4	5	6	7	8
	2012	2013	2014	2015	2016
Raw Material (per ton biodiesel)					
Feed stock (CPO)	1.078.793.923.264	1.110.063.312.344	1.142.239.060.528	1.175.347.439.094	1.209.415.480.806
Methanol	46.521.616.693	47.870.069.351	49.257.607.593	50.685.364.335	52.154.505.330
Catalyst	3.357.941.520	3.455.273.198	3.555.426.003	3.658.481.829	3.764.524.781
Bahan lainnya	4.261.469.721	4.384.990.583	4.512.091.759	4.642.877.028	4.777.453.173
Sub Total Pembelian Bahan	1.132.934.951.198	1.165.773.645.435	1.199.564.185.883	1.234.334.162.285	1.270.111.964.091
Biaya Produksi / Conversion Costs					
Utilitas - listrik & air	1.837.566.390	1.890.829.184	1.945.635.827	2.002.031.068	2.060.060.954
Biaya Pekerja / Labor	996.499.412	1.061.271.874	1.130.254.546	1.203.721.091	1.281.962.962
Asuransi	877.869.061	801.023.427	724.177.793	647.332.159	570.486.524
Perawatan	6.712.221.631	6.906.778.780	7.106.975.266	7.312.974.550	7.524.944.826
Admin & Overhead	554.741.160	590.799.335	629.201.292	670.099.376	713.655.835
Biaya Karyawan	1.796.198.581	1.912.951.489	2.037.293.336	2.169.717.403	2.310.749.034
Sub Total Biaya Produksi	12.775.096.235	13.163.654.089	13.573.538.059	14.005.875.646	14.461.860.136
Total Pengeluaran Kegiatan Produksi	1.145.710.047.433	1.178.937.299.524	1.213.137.723.942	1.248.340.037.931	1.284.573.824.226
Investasi Pembangunan Pabrik					
Equipment (IDR)	1.065	1.065	1.065	1.065	1.065
Utility - electricity & water supply system (USD)					
Laboratorium dan alat pemeliharaan (USD)					
Perumahan & bangunan lainnya (IDR)					
Pembelian Lahan (IDR)					
Perizinan (IDR)					
Konsultan (IDR)					
Investasi Kendaraan					
Perolehan Kendaraan (IDR)	1.065	1.065	1.065	1.065	1.065
Total Pengeluaran Investasi					
Bunga Masa Pembangunan / IDC (Interest D					
Total Biaya Proyek					

	4	5	6	7	8
Scenario	2012	2013	2014	2015	2016

Pendanaan / Funding dari Bank					
Pendanaan dari Shareholder					
Modal Saham					
Pinjaman					
Total Dana Pemegang Saham					

Alokasi IDC ke investasi pabrik

Equipment (IDR)					
Utility - electricity & water supply system					
Laboratorium dan alat pemeliharaan (USD)					
Perumahan & bangunan lainnya (IDR)					

Setelah alokasi IDC

Equipment (IDR)					
Utility - electricity & water supply (IDR)					
Laboratorium dan alat pemeliharaan (USD)					
Perumahan & bangunan lainnya (IDR)					

	4	5	6	7	8
Penyusutan					
Equipment (IDR)	13.250.000.893	13.250.000.893	13.250.000.893	13.250.000.893	13.250.000.893
Utility - electricity & water supply (IDR)	1.365.660.342	1.365.660.342	1.365.660.342	1.365.660.342	1.365.660.342
Laboratorium dan alat pemeliharaan (IDR)	178.813.894	178.813.894	178.813.894	178.813.894	178.813.894
Perumahan & bangunan lainnya (IDR)	497.312.749	497.312.749	497.312.749	497.312.749	497.312.749
Kendaraan (IDR)	77.338.969	77.338.969	77.338.969	77.338.969	77.338.969
Akumulasi Penyusutan	53.920.020.393	69.289.147.240	84.658.274.086	100.027.400.932	115.396.527.778

Investasi Kendaraan					
Indonesia	1,065	1,065	1,065	1,065	1,065

Nilai Perolehan (Kendaraan)

LEMBARAN 2 PROJEKSI KEBUTUHAN DANA

Alternatif	9	10	11	12	13	14
Skenario	2017	2018	2019	2020	2021	2022
Kapasitas Produksi						
Biodiesel	89.100	89.100	89.100	89.100	89.100	89.100
Glycerin, pharma. Grade	8.108	8.108	8.108	8.108	8.108	8.108
PFAD-1	5.292	5.292	5.292	5.292	5.292	5.292
PFAD-2	2.895	2.895	2.895	2.895	2.895	2.895
Total Kapasitas Produksi	89.100 ton	89.100 ton	89.100 ton	89.100 ton	89.100 ton	89.100 ton

Alternatif	2017	2018	2019	2020	2021	2022
Total Penjualan						
Biodiesel (USD/ton)	1.065	1.065	1.065	1.065	1.065	1.065
Glycerin (USD/ton)	1.188	1.188	1.188	1.188	1.188	1.188
PFAD-1 (USD/ton)	1.300	1.300	1.300	1.300	1.300	1.300
PFAD-2 (USD/ton)	316	316	316	316	316	316
Rate (Rp/USD)	11.977	12.324	12.681	13.049	13.427	13.816
Penjualan Biodiesel	1.267.203.639.556	1.303.934.179.833	1.341.729.373.451	1.380.620.079.928	1.420.638.053.259	1.461.815.967.846
Penjualan Glycerin	126.240.160.471	129.899.295.557	133.664.492.530	137.538.825.647	141.525.458.274	145.627.645.471
Penjualan PFAD-1	20.028.204.050	20.608.731.703	21.206.086.245	21.820.755.412	22.453.241.076	23.104.059.658
Penjualan PFAD-2	11.963.210.781	12.309.970.514	12.666.781.253	13.033.934.333	13.411.729.531	13.800.475.314
Total Penjualan - produksi hari tersebut langsung terj.	1.425.435.214.857	1.466.752.177.607	1.509.266.733.479	1.553.013.595.319	1.598.028.482.140	1.644.348.148.289

Kegiatan Produksi	2017	2018	2019	2020	2021	2022
Inflasi Indonesia	1,065	1,065	1,065	1,065	1,065	1,065
Inflasi USA	1,035	1,035	1,035	1,035	1,035	1,035
CPO (USD/ton)	1,080	1,080	1,080	1,080	1,080	1,080
Methanol (USD/ton)	493	493	493	493	493	493
Catalyst (USD/ton)	363	363	363	363	363	363
Bahan lainnya	4,61	4,61	4,61	4,61	4,61	4,61
Utilitas-listrik & air (USD/ton Biodiesel)	1,99	1,99	1,99	1,99	1,99	1,99
Biaya Pekerja / Labor (IDR)	1.365.290.554	1.454.034.441	1.548.546.679	1.649.202.213	1.756.400.357	1.870.566.380
Asuransi (IDR)	498.343.838	421.081.325	343.818.812	266.556.299	189.293.786	112.031.273
Perawatan / Maintenance (USD)	646.513	646.513	646.513	646.513	646.513	646.513
Admin & Overhead (IDR)	760.043.465	809.446.290	862.060.299	918.094.218	977.770.342	1.041.325.415
Biaya Karyawan (IDR)	2.460.947.721	2.620.909.323	2.791.268.429	2.972.700.877	3.165.926.434	3.371.711.652
Rate (Rp/USD)	11.977	12.324	12.681	13.049	13.427	13.816

PERBUTUHAN DANA

Scenario	9 2017	10 2018	11 2019	12 2020	13 2021	14 2022
Raw Material (per ton biodiesel)						
Feed stock (CPO)	1.244.471.001.989	1.280.542.625.235	1.317.659.802.778	1.355.852.840.540	1.395.152.922.875	1.435.592.138.030
Methanol	53.666.230.122	55.221.773.024	56.822.404.126	58.469.430.333	60.164.196.429	61.908.086.181
Catalyst	3.873.641.441	3.985.920.903	4.101.454.843	4.220.337.592	4.342.666.218	4.468.540.601
Bahan lainnya	4.915.930.077	5.058.420.804	5.205.041.697	5.355.912.470	5.511.156.310	5.670.899.971
Sub Total Pembelian Bahan	1.306.926.803.629	1.344.808.739.966	1.383.788.703.444	1.423.898.520.935	1.465.170.941.832	1.507.639.664.783
Biaya Produksi / Conversion Costs						
Utilitas-listrik & air	2.119.772.866	2.181.215.558	2.244.439.197	2.309.495.405	2.376.437.301	2.445.319.542
Biaya Pekerja / Labor	1.365.290.554	1.454.034.441	1.548.546.679	1.649.202.213	1.756.400.357	1.870.566.380
Asuransi	498.343.838	421.081.325	343.818.812	266.556.299	189.293.786	112.031.273
Perawatan	7.743.059.169	7.967.495.667	8.198.437.570	8.436.073.442	8.680.597.310	8.932.208.826
Admin & Overhead	760.043.465	809.446.290	862.060.299	918.094.218	977.770.342	1.041.325.415
Biaya Karyawan	2.460.947.721	2.620.909.323	2.791.268.429	2.972.700.877	3.165.926.434	3.371.711.652
Sub Total Biaya Produksi	14.947.457.613	15.434.182.602	15.988.570.985	16.552.122.454	17.146.425.530	17.773.163.087
Total Pengeluaran Kegiatan Produksi	1.321.874.261.242	1.360.262.922.569	1.399.777.274.429	1.440.450.643.389	1.482.317.367.361	1.525.412.827.871
Investasi Pembangunan Pabrik						
Equipment (IDR)	1.065	1.065	1.065	1.065	1.065	1.065
Utility - electricity & water supply system (U)						
Laboratorium dan alat pemeliharaan (USD)	1.692.263.667					
Perumahan & bangunan lainnya (IDR)						
Pembelian Bahan (IDR)						
Perizinan (IDR)						
Konsultan (IDR)						
Investasi Kendaraan						
Perolehan Kendaraan (IDR)	1.023.965.268	1.065	1.065	1.065	1.065	1.065
Total Pengeluaran Investasi	2.716.228.935					
Bunga Misa Pembangunan / IDC (Interest D						
Total Biaya Proyek						

	9	10	11	12	13	14
	2017	2018	2019	2020	2021	2022

Pendanaan / Funding dari Bank						
Pendanaan dari Shareholder						
Modal Saham						
Pinjaman						
Total Dana Pemegang Saham						

Alokasi IDC ke investasi pabrik						
Equipment (IDR)						
Utility - electricity & water supply system						
Laboratorium dan alat pemeliharaan (USD)						
Perumahan & bangunan lainnya (IDR)						

Setelah alokasi IDC						
Equipment (IDR)						
Utility - electricity & water supply (IDR)						
Laboratorium dan alat pemeliharaan (USD)						
Perumahan & bangunan lainnya (IDR)						

Penyusutan	9	10	11	12	13	14
Equipment (IDR)	13.250.000.893	13.250.000.893	13.250.000.893	13.250.000.893	13.250.000.893	13.250.000.893
Utility - electricity & water supply (IDR)	1.365.660.342	1.365.660.342	1.365.660.342	1.365.660.342	1.365.660.342	1.365.660.342
Laboratorium dan alat pemeliharaan (IDR)	211.532.958	211.532.958	211.532.958	211.532.958	211.532.958	211.532.958
Perumahan & bangunan lainnya (IDR)	497.312.749	497.312.749	497.312.749	497.312.749	497.312.749	497.312.749
Kendaraan (IDR)	127.995.659	127.995.659	127.995.659	127.995.659	127.995.659	127.995.659
Akumulasi Penyusutan	130.849.030.379	146.301.532.980	161.754.035.581	177.206.538.182	192.659.040.783	208.111.543.384

Investasi Kendaraan						
Investasi Kendaraan						
Nilai Perolehan (Kendaraan)	1.023.965.268					
		1.065	1.065	1.065	1.065	1.065

LANDASAN DATA KAPASITAS PRODUKSI DAN PERENCANAAN DANA

Scenario	2023	2024
Alternatif	15	16

Kapasitas Produksi		
Biodiesel	89.100	89.100
Glycerin, pharma. Grade	8.108	8.108
PFAD-1	5.292	5.292
PFAD-2	2.895	2.895
Total Kapasitas Produksi	89.100 ton	89.100 ton

	2023	2024
Inflasi Indonesia	1,065	1,065
Inflasi USA	1,035	1,188
CPO (USD/ton)	1,080	1,300
Methanol (USD/ton)	493	316
Catalyst (USD/ton)	363	345
Bahan lainnya	4,61	14,629
Utilitas-listrik & air (USD/ton Biodiesel)	1,99	1,99
Biaya Pekerja / Labor (IDR)	34.768.760	2.121.643.153
Asuransi (IDR)	646.513	(4.711.318)
Perawatan / Maintenance (USD)	1.109.011.567	646.513
Admin & Overhead (IDR)	3.590.872.909	1.181.097.318
Biaya Karyawan (IDR)	14.216	3.824.279.648
Rate (Rp/USD)	14.216	14.629
Total Penjualan - produksi hari tersebut langsung terj	1.692.010.413.457	1.741.054.193.557

	2023	2024
Penjualan		
Kegiatan Produksi		
Inflasi Indonesia	1,065	1,065
Inflasi USA	1,035	1,035
CPO (USD/ton)	1,080	1,080
Methanol (USD/ton)	493	493
Catalyst (USD/ton)	363	363
Bahan lainnya	4,61	4,61
Utilitas-listrik & air (USD/ton Biodiesel)	1,99	1,99
Biaya Pekerja / Labor (IDR)	34.768.760	2.121.643.153
Asuransi (IDR)	646.513	(4.711.318)
Perawatan / Maintenance (USD)	1.109.011.567	646.513
Admin & Overhead (IDR)	3.590.872.909	1.181.097.318
Biaya Karyawan (IDR)	14.216	3.824.279.648
Rate (Rp/USD)	14.216	14.629

Skenario	15		16	
	2023	2024	2023	2024
Raw Material (per ton biodiesel)				
Feed stock (CPO)	1.477.203.504.350	1.520.020.997.230		
Methanol	63.702.523.462	65.548.973.417		
Catalyst	4.598.063.517	4.731.340.720		
Bahan lainnya	5.835.273.883	6.004.412.257		
Sub Total Pembelian Bahan	1.551.339.365.212	1.596.305.723.624		
Biaya Produksi / Conversion Costs				
Utilitas - listrik & air	2.516.198.369	2.589.131.655		
Biaya Pekerja / Labor	1.992.153.195	2.121.643.153		
Asuransi	34.768.760	(4.711.318)		
Perawatan	9.191.113.430	9.457.522.514		
Admin & Overhead	1.109.011.567	1.181.097.318		
Biaya Karyawan	3.590.872.909	3.824.279.648		
Sub Total Biaya Produksi	18.434.118.229	19.168.962.971		
Total Pengeluaran Kegiatan Produksi	1.569.773.483.441	1.615.474.686.594		
Investasi Pembangunan Pabrik				
Equipment (IDR)		1.065		1.065
Utility - electricity & water supply system (USD)				
Laboratorium dan alat pemeliharaan (USD)				
Perumahan & bangunan lainnya (IDR)				
Pembelian Lahan (IDR)				
Perizinan (IDR)				
Konsultan (IDR)				
Investasi Kendaraan				
Perolehan Kendaraan (IDR)		1.065		1,065
Total Pengeluaran Investasi				
Bunga Masa Pembangunan / IDC (Interest D				
Total Biaya Proyek				

PERBUKUAN DANA

15 16
2023 2024

Pendanaan / Funding dari Bank
 Pendanaan dari Shareholder
 Modal Saham
 Pinjaman
 Total Dana Pemegang Saham

Alokasi IDC ke investasi pabrik

Equipment (IDR)
 Utility - electricity & water supply system
 Laboratorium dan alat pemeliharaan (USJ)
 Perumahan & bangunan lainnya (IDR)

Setelah alokasi IDC

Equipment (IDR)
 Utility - electricity & water supply (IDR)
 Laboratorium dan alat pemeliharaan (USD)
 Perumahan & bangunan lainnya (IDR)

	15	16
Penyusutan		
Equipment (IDR)	13.250.000.893	6.625.000.447
Utility - electricity & water supply (IDR)	1.365.660.342	682.830.171
Laboratorium dan alat pemeliharaan (IDR)	211.532.958	211.532.958
Perumahan & bangunan lainnya (IDR)	497.312.749	248.656.374
Kendaraan (IDR)	127.995.659	127.995.659
Akumulasi Penyusutan	223.564.045.985	231.460.061.593

Investasi Kendaraan

Indonesia 1,065

Nilai Perolehan (Kendaraan)

PERHITUNGAN KEBUTUHAN DANA - PINJAMAN

Tipe Semester	2007		2008		2009		2010	
	1	2	1	2	1	2	1	2
Saldo Awal		0	48.281.879.559	99.460.671.892	158.509.046.880	149.113.101.451	139.153.399.296	
Penarikan Pokok Pinjaman	45.548.942.981	45.548.942.981	50.076.164.787					
Bunga Masa Pembangunan / Interest During Construction	2.732.936.579	5.629.849.352	8.972.210.201					
Cicilan Pokok		0	0	0	(9.395.945.429)	(9.959.702.155)	(10.557.284.284)	
Saldo Akhir		48.281.879.559	99.460.671.892	158.509.046.880	149.113.101.451	139.153.399.296	128.596.115.012	
Bunga					(9.510.542.813)	(8.946.786.087)	(8.349.203.958)	
Cicilan Pinjaman / Instalment					(18.906.488.242)	(18.906.488.242)	(18.906.488.242)	

REKAPITULASI KEBUTUHAN DANA - PIN

	2011		2012		2013		20
	1	2	1	2	1	2	
Saldo Awal	128.596.115.012	117.405.393.671	105.543.229.050	92.969.334.551	79.641.006.382	65.512.978.523	50.537.268.993
Pemarikan Pokok Pinjaman							
Bunga Masa Pembangunan / Interest During Construction							
Cicilan Pokok	(11.190.721.341)	(11.862.164.622)	(12.573.894.499)	(13.328.328.169)	(14.128.027.859)	(14.975.709.530)	(15.874.252.102)
Saldo Akhir	117.405.393.671	105.543.229.050	92.969.334.551	79.641.006.382	65.512.978.523	50.537.268.993	34.663.016.890
Bunga	(7.715.766.901)	(7.044.323.620)	(6.332.593.743)	(5.578.160.073)	(4.778.460.383)	(3.930.778.711)	(3.032.236.140)
Cicilan Pinjaman / Installment	(18.906.488.242)	(18.906.488.242)	(18.906.488.242)	(18.906.488.242)	(18.906.488.242)	(18.906.488.242)	(18.906.488.242)

REKONSILIASI PERHITUNGAN DANA - PD

	2015		2016		2017		2018		2019		2020	
	1	2	1	2	1	2	1	2	1	2	1	2
Semester												
Saldo Awal		34.663.016.890		17.836.309.662								
Penarikan Pokok Pinjaman												
Bunga Masa Pembangunan / Interest During Construction												
Cicilan Pokok		(16.826.707.228)		(17.836.309.662)								
Saldo Akhir		17.836.309.662		0								
Bunga		(2.079.781.013)		(1.070.178.580)								
Cicilan Pinjaman / Installment		(18.906.488.242)		(18.906.488.242)								

PERBUATAN DANA - PIP

	2021		2022		2023		2024	
	1	2	1	2	1	2	1	2
Semester								
Saldo Awal								
Pemakaian Pokok Pinjaman								
Bunga Masa Pembangunan / Interest During Construction								
Cicilan Pokok								
Saldo Akhir								
Bunga								
Cicilan Pinjaman / Instalment								

PERUBAHAN MODAL KERJA

	0	1	2
2007	2008	2009	2010

Modal Kerja Awal	46.114.194.660		
Piutang Dagang	23.150.548.160	48.576.797.839	
Persediaan	22.602.294.570	46.469.850.446	
Pembayaran Hutang Dagang - Account Payable	(11.028.877.313)	(22.697.109.832)	
Modal Kerja Operasional Bersih (Net Operating Working Capital)	46.114.194.660	34.723.965.418	72.349.538.453
Perubahan Modal Kerja Bersih	(46.114.194.660)	11.390.229.242	(37.625.573.036)

Perhitungan Penagihan Penjualan			
- Saldo Awal Piutang Dagang	-	23.150.548.160	
- Penjualan Tahun Berjalan	545.691.492.345	1.145.024.520.494	
- Saldo Akhir	(23.150.548.160)	(48.576.797.839)	
	522.540.944.184	1.119.598.270.815	

Penerimaan Penjualan

Perhitungan Pembayaran Hutang Dagang			
- Saldo Awal Hutang Dagang	-	11.028.877.313	
- Pembelian Tahun Berjalan	519.932.787.597	1.070.006.606.358	
- Saldo Akhir	0	(11.028.877.313)	(22.697.109.832)
	508.903.910.284	1.058.338.373.839	

Pembayaran Hutang Dagang

Asumsi kebutuhan Modal Kerja Awal

Biaya Operasional	1.998.685.409		
Persediaan	44.115.509.251		
Hutang Dagang	-		
Saldo Kas Awal	46.114.194.660		
Total Kebutuhan Modal Kerja Awal	46.114.194.660		

PERUBAHAN MODAL KERJA

	7 2015	8 2016	9 2017	10 2018
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Modal Kerja Awal				
Piutang Dagang	57.114.063.955	58.769.544.070	60.473.009.115	62.225.849.959
Persediaan	53.491.426.885	55.020.786.809	56.598.426.719	58.218.154.466
Pembayaran Hutang Dagang - Account Payable	(26.182.845.867)	(26.941.768.935)	(27.722.689.774)	(28.526.245.999)
Modal Kerja Operasional Bersih (Net Operating Working Capital)	84.422.644.973	86.848.561.943	89.348.746.060	91.917.758.426
Perubahan Modal Kerja Bersih	(2.357.380.360)	(2.425.916.970)	(2.500.184.117)	(2.569.012.366)

Perhitungan Penagihan Penjualan				
- Saldo Awal Piutang Dagang	55.505.217.083	57.114.063.955	58.769.544.070	60.473.009.115
- Penjualan Tahun Berjalan	1.346.260.078.940	1.385.282.110.213	1.425.435.214.857	1.466.752.177.607
- Saldo Akhir	(57.114.063.955)	(58.769.544.070)	(60.473.009.115)	(62.225.849.959)
Penerimaan Penjualan	1.344.651.232.068	1.383.626.630.099	1.423.731.749.812	1.464.999.336.763

Perhitungan Pembayaran Hutang Dagang				
- Saldo Awal Hutang Dagang	25.445.300.913	26.182.845.867	26.941.768.935	27.722.689.774
- Pembelian Tahun Berjalan	1.234.334.162.285	1.270.111.964.091	1.306.926.803.629	1.344.808.739.966
- Saldo Akhir	(26.182.845.867)	(26.941.768.935)	(27.722.689.774)	(28.526.245.999)
Pembayaran Hutang Dagang	1.233.596.617.331	1.269.353.041.022	1.306.145.882.791	1.344.005.183.741

Asumsi kebutuhan Modal Kerja Awal

Biaya Operasional				
Persediaan				
Hutang Dagang				
Saldo Kas Awal				
Total Kebutuhan Modal Kerja Awal				

PERUBAHAN MODAL KERJA

	11 2019	13 2020	13 2021	14 2022
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Modal Kerja Awal				
Piutang Dagang	64.029.497.784	65.885.425.256	67.795.147.727	69.760.224.473
Persediaan	59.885.061.443	61.600.523.977	63.365.958.862	65.182.824.569
Pembayaran Hutang Dagang - Account Payable	(29.353.093.709)	(30.203.908.020)	(31.079.383.615)	(31.980.235.314)
Modal Kerja Operasional Bersih (Net Operating Working Capital)	94.561.465.518	97.282.041.214	100.081.722.975	102.962.813.728
Perubahan Modal Kerja Bersih	(2.643.707.092)	(2.720.575.696)	(2.799.681.761)	(2.881.090.753)

Perhitungan Penagihan Penjualan				
- Saldo Awal Piutang Dagang	62.225.849.959	64.029.497.784	65.885.425.256	67.795.147.727
- Penjualan Tahun Berjalan	1.509.266.733.479	1.553.013.595.319	1.598.028.482.140	1.644.348.148.289
- Saldo Akhir	(64.029.497.784)	(65.885.425.256)	(67.795.147.727)	(69.760.224.473)
Penerimaan Penjualan	1.507.463.085.655	1.551.157.667.847	1.596.118.759.669	1.642.383.071.544

Perhitungan Pembayaran Hutang Dagang				
- Saldo Awal Hutang Dagang	28.526.245.999	29.353.093.709	30.203.908.020	31.079.383.615
- Pembelian Tahun Berjalan	1.383.788.703.444	1.423.898.520.935	1.465.170.941.832	1.507.639.664.783
- Saldo Akhir	(29.353.093.709)	(30.203.908.020)	(31.079.383.615)	(31.980.235.314)
Pembayaran Hutang Dagang	1.382.961.855.734	1.423.047.706.624	1.464.295.466.237	1.506.738.813.084

Asumsi kebutuhan Modal Kerja Awal

Biaya Operasional	
Persediaan	
Hutang Dagang	
Saldo Kas Awal	
Total Kebutuhan Modal Kerja Awal	

PERHITUNGAN MODAL KERJA

15 16
2023 2024

Modal Kerja Awal	71.782.259.965	73.862.905.181
Piutang Dagang	67.052.622.491	68.657.922.889
Persediaan	(32.907.198.656)	(33.861.030.501)
Pembayaran Hutang Dagang - Account Payable	105.927.683.800	108.659.797.569
Modal Kerja Operasional Bersih (Net Operating Working Capital)		

Perubahan Modal Kerja Bersih (2.964.870.072) 105.927.683.800

Perhitungan Penagihan Penjualan	69.760.224.473	71.782.259.965
- Saldo Awal Piutang Dagang	1.692.010.413.457	1.741.054.193.557
- Penjualan Tahun Berjalan	(71.782.259.965)	(73.862.905.181)
- Saldo Akhir	1.689.988.377.965	1.738.973.548.341

Penerimaan Penjualan

Perhitungan Pembayaran Hutang Dagang	31.980.235.314	32.907.198.656
- Saldo Awal Hutang Dagang	1.551.339.365.212	1.596.305.723.624
- Pembelian Tahun Berjalan	(32.907.198.656)	(33.861.030.501)
- Saldo Akhir	1.550.412.401.869	1.595.351.891.779

Pembayaran Hutang Dagang

Asumsi kebutuhan Modal Kerja Awal

Biaya Operasional	
Persediaan	
Hutang Dagang	
Saldo Kas Awal	
Total Kebutuhan Modal Kerja Awal	

	0	1	2	3	4	
	2007	2008	2009	2010	2011	2012
Persediaan Awal		0	1.890	3.780	3.780	3.780
Produksi (dalam Unit)		44.550	89.100	89.100	89.100	89.100
Persediaan tersedia untuk dijual		44.550	90.990	92.880	92.880	92.880
Persediaan Akhir (Unit)		1.890	3.780	3.780	3.780	3.780
Nilai Persediaan Akhir		22.602.294.570	46.469.850.446	47.794.717.145	49.158.167.526	49.158.167.526
Harga Pokok Produksi		532.768.372.015	1.095.360.760.514	1.126.589.761.263	1.158.728.234.538	1.158.728.234.538
Harga Pokok Produksi per Unit Bio-Diesel (ton)		11.958.886	12.293.611	12.644.105	13.004.806	13.004.806
Penjualan						
Unit (ton)		42.660	87.210	89.100	89.100	89.100
Rupiah		482.742.455.104	1.015.477.226.463	1.067.556.486.563	1.098.500.152.840	1.098.500.152.840
Crude Glycerin		50.221.939.253	103.355.295.275	106.351.100.935	109.433.741.542	109.433.741.542
PFAD-1		7.967.791.259	16.397.483.461	16.872.772.836	17.361.838.715	17.361.838.715
PFAD-2		4.759.306.728	9.794.515.296	10.078.414.290	10.370.542.240	10.370.542.240
		545.691.492.345	1.145.024.520.494	1.200.858.774.624	1.235.666.275.338	1.235.666.275.338

	5 2013	6 2014	7 2015	8 2016	9 2017
Persediaan Awal	3.780	3.780	3.780	3.780	3.780
Produksi (dalam Unit)	89.100	89.100	89.100	89.100	89.100
Persediaan tersedia untuk dijual	92.880	92.880	92.880	92.880	92.880
Persediaan Akhir (Unit)	3.780	3.780	3.780	3.780	3.780
Nilai Persediaan Akhir	50.561.325.629	52.005.348.443	53.491.426.885	55.020.786.809	56.598.426.719
Harga Pokok Produksi	1.191.802.675.546	1.225.840.356.161	1.260.869.347.999	1.296.918.546.204	1.334.105.772.657
Harga Pokok Produksi per Unit Bio-Diesel (ton)	13.376.012	13.758.029	14.151.171	14.555.764	14.973.129
Penjualan					
Unit (ton)	89.100	89.100	89.100	89.100	89.100
Rupiah	1.130.340.736.980	1.163.104.236.603	1.196.817.402.881	1.231.507.762.385	1.267.203.639.556
Crude Glycerin	112.605.734.050	115.869.668.371	119.228.209.483	122.684.099.613	126.240.160.471
PFAD-1	17.865.080.417	18.382.908.835	18.915.746.773	19.464.029.288	20.028.204.050
PFAD-2	10.671.137.668	10.980.446.006	11.298.719.803	11.626.218.928	11.963.210.781
	1.271.482.689.116	1.308.337.259.815	1.346.260.078.940	1.385.282.110.213	1.425.435.214.857

REKAPITULASI PERHITUNGAN PENJUALAN

	15 2023	16 2024
Persediaan Awal	3.780	3.780
Produksi (dalam Unit)	89.100	89.100
Persediaan tersedia untuk dijual	92.880	92.880
Persediaan Akhir (Unit)	3.780	3.780
Nilai Persediaan Akhir	67.052.622.491	68.657.922.889
Harga Pokok Produksi	1.580.526.101.566	1.618.365.325.237
Harga Pokok Produksi per Unit Bio-Diesel (ton)	17.738.789	18.163.472
Penjualan		
Unit (ton)	89.100	89.100
Rupiah Bio-Diesel	1.504.187.445.175	1.547.787.081.267
Crude Glycerin	149.848.736.644	154.192.178.285
PFAD-1	23.773.742.547	24.462.836.533
PFAD-2	14.200.489.092	14.612.097.471
	1.692.010.413.457	1.741.054.193.557

LAMPIRAN 6. CASH FLOW

	0	1
	2007	2008
Kegiatan Operasional		
Penerimaan Penjualan		522.540.944.184
Pembayaran Hutang Dagang		(508.903.910.284)
Pembayaran Biaya Lainnya		
Utilitas - Listrik & Air		(421.653.077)
Biaya Pekerja / Labor		(412.475.567)
Asuransi		(1.108.405.964)
Perawatan / Maintenance		(3.080.409.957)
Admin & Overhead		(229.620.983)
Biaya Karyawan		(743.490.682)
Sub Total Pembayaran Biaya Lainnya		(5.996.056.228)
Pembayaran Biaya Bunga		(9.510.542.813)
Pembayaran Pajak		
Arus Kas Bersih Dari Kegiatan Operasional	-	(1.869.565.141)
Kegiatan Investasi		
Equipment (IDR)	(118.171.836.476)	(65.475.365.361)
Utility - electricity & water supply (IDR)	(12.303.380.703)	(6.624.897.302)
Laboratorium dan alat pemeliharaan (IDR)	(850.546.507)	(471.261.554)
Perumahan & bangunan lainnya (IDR)	(4.480.343.968)	(2.412.492.906)
Pembelian Lahan	(750.000.000)	-
Perizinan	(1.000.000.000)	-
Biaya Konsultan Proyek	(2.594.486.132)	(1.437.524.646)
Bunga Masa Pembangunan / Interest During Construction	(8.362.785.931)	(8.972.210.201)
Kendaraan		(618.711.750)
Arus Kas Bersih Dari Kegiatan Investasi	(148.513.379.717)	(86.012.463.719)
Kegiatan Pendanaan		
Pemegang Saham		
- Setoran Modal Saham	49.052.707.825	26.964.088.731
- Pinjaman Pemegang Saham (Modal Kerja)	46.114.194.660	
- Pembayaran Dividen		
Bank		
- Pencairan Kredit	91.097.885.961	50.076.164.787
- Bunga Masa Pembangunan / Interest During Construction	8.362.785.931	8.972.210.201
- Cicilan Kredit		(9.395.945.429)
Arus Kas Bersih Dari Kegiatan Pendanaan	194.627.574.378	76.616.518.290
Arus Kas Bersih Tahun Berjalan	46.114.194.660	(11.265.510.570)
Saldo Kas Awal	0	46.114.194.660
Saldo Kas Akhir	46.114.194.660	34.848.684.090

LAMPIRAN 6. CASH FLOW

	2	3
	2010	2011
Kegiatan Operasional		
Penerimaan Penjualan	1.119.598.270.815	1.198.490.048.691
Pembayaran Hutang Dagang	(1.058.338.373.839)	(1.100.363.403.359)
Pembayaran Biaya Lainnya		
Utilitas - Listrik & Air	(1.735.499.619)	(1.785.803.956)
Biaya Pekerja / Labor	(878.572.957)	(935.680.199)
Asuransi	(1.031.560.330)	(954.714.696)
Perawatan / Maintenance	(6.339.394.403)	(6.523.144.966)
Admin & Overhead	(489.092.693)	(520.883.718)
Biaya Karyawan	(1.583.635.153)	(1.686.571.438)
Sub Total Pembayaran Biaya Lainnya	(12.057.755.155)	(12.406.798.972)
Pembayaran Biaya Bunga	(17.295.990.045)	(14.760.090.521)
Pembayaran Pajak	(7.088.110.847)	(15.369.301.635)
Arus Kas Bersih Dari Kegiatan Operasional	24.818.040.929	55.590.454.203
Kegiatan Investasi		
Equipment (IDR)		
Utility - electricity & water supply (IDR)		
Laboratorium dan alat pemeliharaan (IDR)		
Perumahan & bangunan lainnya (IDR)		
Pembelian Lahan		
Perizinan		
Biaya Konsultan Proyek		
Bunga Masa Pembangunan / Interest During Construction		
Kendaraan		
Arus Kas Bersih Dari Kegiatan Investasi	-	-
Kegiatan Pendanaan		
Pemegang Saham		
- Setoran Modal Saham		
- Pinjaman Pemegang Saham (Modal Kerja)	(46.114.194.660)	
- Pembayaran Dividen		
Bank		
- Pencairan Kredit		
- Bunga Masa Pembangunan / Interest During Construction		
- Cicilan Kredit	(20.516.986.439)	(23.052.885.963)
Arus Kas Bersih Dari Kegiatan Pendanaan	(66.631.181.099)	(23.052.885.963)
Arus Kas Bersih Tahun Berjalan	(41.813.140.170)	32.537.568.241
Saldo Kas Awal	34.848.684.090	(6.964.456.079)
Saldo Kas Akhir	(6.964.456.079)	25.573.112.162

LAMPIRAN 6. CASH FLOW

	4	5
	2012	2013
Kegiatan Operasional		
Penerimaan Penjualan	1.234.189.593.489	1.269.963.204.895
Pembayaran Hutang Dagang	(1.132.257.994.761)	(1.165.077.067.073)
Pembayaran Biaya Lainnya		
Utilitas - Listrik & Air	(1.837.566.390)	(1.890.829.184)
Biaya Pekerja / Labor	(996.499.412)	(1.061.271.874)
Asuransi	(877.869.061)	(801.023.427)
Perawatan / Maintenance	(6.712.221.631)	(6.906.778.780)
Admin & Overhead	(554.741.160)	(590.799.335)
Biaya Karyawan	(1.796.198.581)	(1.912.951.489)
Sub Total Pembayaran Biaya Lainnya	(12.775.096.235)	(13.163.654.089)
Pembayaran Biaya Bunga	(11.910.753.816)	(8.709.239.094)
Pembayaran Pajak	(16.675.787.559)	(18.265.070.255)
Arus Kas Bersih Dari Kegiatan Operasional	60.569.961.118	64.748.174.384
Kegiatan Investasi		
Equipment (IDR)		
Utility - electricity & water supply (IDR)		
Laboratorium dan alat pemeliharaan (IDR)		
Perumahan & bangunan lainnya (IDR)		
Pembelian Lahan		
Perizinan		
Biaya Konsultan Proyek		
Bunga Masa Pembangunan / Interest During Construction		
Kendaraan		
Arus Kas Bersih Dari Kegiatan Investasi	-	-
Kegiatan Pendanaan		
Pemegang Saham		
- Setoran Modal Saham		
- Pinjaman Pemegang Saham (Modal Kerja)		
- Pembayaran Dividen		(47.053.697.748)
Bank		
- Pencairan Kredit		
- Bunga Masa Pembangunan / Interest During Construction		
- Cicilan Kredit	(25.902.222.668)	(29.103.737.389)
Arus Kas Bersih Dari Kegiatan Pendanaan	(25.902.222.668)	(76.157.435.138)
Arus Kas Bersih Tahun Berjalan	34.667.738.451	(11.409.260.753)
Saldo Kas Awal	25.573.112.162	60.240.850.612
Saldo Kas Akhir	60.240.850.612	48.831.589.859

LAMPIRAN 6. CASH FLOW

	6	7
	2014	2015
Kegiatan Operasional		
Penerimaan Penjualan	1.306.773.732.573	1.344.651.232.068
Pembayaran Hutang Dagang	(1.198.847.416.843)	(1.233.596.617.331)
Pembayaran Biaya Lainnya		
Utilitas - Listrik & Air	(1.945.635.827)	(2.002.031.068)
Biaya Pekerja / Labor	(1.130.254.546)	(1.203.721.091)
Asuransi	(724.177.793)	(647.332.159)
Perawatan / Maintenance	(7.106.975.266)	(7.312.974.550)
Admin & Overhead	(629.201.292)	(670.099.376)
Biaya Karyawan	(2.037.293.336)	(2.169.717.403)
Sub Total Pembayaran Biaya Lainnya	(13.573.538.059)	(14.005.875.646)
Pembayaran Biaya Bunga	(5.112.017.153)	(1.070.178.580)
Pembayaran Pajak	(20.165.870.464)	(22.202.819.310)
Arus Kas Bersih Dari Kegiatan Operasional	69.074.890.054	73.775.741.201
Kegiatan Investasi		
Equipment (IDR)		
Utility - electricity & water supply (IDR)		
Laboratorium dan alat pemeliharaan (IDR)		
Perumahan & bangunan lainnya (IDR)		
Pembelian Lahan		
Perizinan		
Biaya Konsultan Proyek		
Bunga Masa Pembangunan / Interest During Construction		
Kendaraan		
Arus Kas Bersih Dari Kegiatan Investasi	-	-
Kegiatan Pendanaan		
Pemegang Saham		
- Setoran Modal Saham		
- Pinjaman Pemegang Saham (Modal Kerja)		
- Pembayaran Dividen	(51.806.578.390)	(56.471.695.653)
Bank		
- Pencairan Kredit		
- Bunga Masa Pembangunan / Interest During Construction		
- Cicilan Kredit	(32.700.959.331)	(17.836.309.662)
Arus Kas Bersih Dari Kegiatan Pendanaan	(84.507.537.720)	(74.308.005.315)
Arus Kas Bersih Tahun Berjalan	(15.432.647.666)	(532.264.114)
Saldo Kas Awal	48.831.589.859	33.398.942.192
Saldo Kas Akhir	33.398.942.192	32.866.678.079

LAMPIRAN 6. CASH FLOW

	8	9
	2016	2017
Kegiatan Operasional		
Penerimaan Penjualan	1.383.626.630.099	1.423.731.749.812
Pembayaran Hutang Dagang	(1.269.353.041.022)	(1.306.145.882.791)
Pembayaran Biaya Lainnya		
Utilitas - Listrik & Air	(2.060.060.954)	(2.119.772.866)
Biaya Pekerja / Labor	(1.281.962.962)	(1.365.290.554)
Asuransi	(570.486.524)	(498.343.838)
Perawatan / Maintenance	(7.524.944.826)	(7.743.059.169)
Admin & Overhead	(713.655.835)	(760.043.465)
Biaya Karyawan	(2.310.749.034)	(2.460.947.721)
Sub Total Pembayaran Biaya Lainnya	(14.461.860.136)	(14.947.457.613)
Pembayaran Biaya Bunga	-	-
Pembayaran Pajak	(24.202.155.280)	(25.327.954.011)
Arus Kas Bersih Dari Kegiatan Operasional	75.609.573.661	77.310.455.397
Kegiatan Investasi		
Equipment (IDR)		
Utility - electricity & water supply (IDR)		
Laboratorium dan alat pemeliharaan (IDR)		
Perumahan & bangunan lainnya (IDR)		
Pembelian Lahan		
Perizinan		
Biaya Konsultan Proyek		
Bunga Masa Pembangunan / Interest During Construction		(1.023.965.268)
Kendaraan		
Arus Kas Bersih Dari Kegiatan Investasi	-	(1.023.965.268)
Kegiatan Pendanaan		
Pemegang Saham		
- Setoran Modal Saham		
- Pinjaman Pemegang Saham (Modal Kerja)		
- Pembayaran Dividen	(59.098.559.360)	(60.959.748.403)
Bank		
- Pencairan Kredit		
- Bunga Masa Pembangunan / Interest During Construction		
- Cicilan Kredit		
Arus Kas Bersih Dari Kegiatan Pendanaan	(59.098.559.360)	(60.959.748.403)
Arus Kas Bersih Tahun Berjalan	16.511.014.301	15.326.741.726
Saldo Kas Awal	32.866.678.079	49.377.692.380
Saldo Kas Akhir	49.377.692.380	64.704.434.105

LAMPIRAN 6. CASH FLOW

	10 2018	11 2019
Kegiatan Operasional		
Penerimaan Penjualan	1.464.999.336.763	1.507.463.085.655
Pembayaran Hutang Dagang	(1.344.005.183.741)	(1.382.961.855.734)
Pembayaran Biaya Lainnya		
Utilitas - Listrik & Air	(2.181.215.558)	(2.244.439.197)
Biaya Pekerja / Labor	(1.454.034.441)	(1.548.546.679)
Asuransi	(421.081.325)	(343.818.812)
Perawatan / Maintenance	(7.967.495.667)	(8.198.437.570)
Admin & Overhead	(809.446.290)	(862.060.299)
Biaya Karyawan	(2.620.909.323)	(2.791.268.429)
Sub Total Pembayaran Biaya Lainnya	(15.454.182.602)	(15.988.570.985)
Pembayaran Biaya Bunga	-	-
Pembayaran Pajak	(26.125.606.458)	(26.966.008.883)
Arus Kas Bersih Dari Kegiatan Operasional	79.414.363.961	81.546.650.052
Kegiatan Investasi		
Equipment (IDR)		
Utility - electricity & water supply (IDR)		
Laboratorium dan alat pemeliharaan (IDR)		
Perumahan & bangunan lainnya (IDR)		
Pembelian Lahan		
Perizinan		
Biaya Konsultan Proyek		
Bunga Masa Pembangunan / Interest During Construction		
Kendaraan		
Arus Kas Bersih Dari Kegiatan Investasi	-	-
Kegiatan Pendanaan		
Pemegang Saham		
- Setoran Modal Saham		
- Pinjaman Pemegang Saham (Modal Kerja)		
- Pembayaran Dividen	(62.920.687.394)	(64.927.830.496)
Bank		
- Pencairan Kredit		
- Bunga Masa Pembangunan / Interest During Construction		
- Cicilan Kredit		
Arus Kas Bersih Dari Kegiatan Pendanaan	(62.920.687.394)	(64.927.830.496)
Arus Kas Bersih Tahun Berjalan	16.493.676.567	16.618.819.556
Saldo Kas Awal	64.704.434.105	81.198.110.672
Saldo Kas Akhir	81.198.110.672	97.816.930.228

LAMPIRAN 6. CASH FLOW

	12 2020	13 2021
Kegiatan Operasional		
Penerimaan Penjualan	1.551.157.667.847	1.596.118.759.669
Pembayaran Hutang Dagang	(1.423.047.706.624)	(1.464.295.466.237)
Pembayaran Biaya Lainnya		
Utilitas - Listrik & Air	(2.309.495.405)	(2.376.437.301)
Biaya Pekerja / Labor	(1.649.202.213)	(1.756.400.357)
Asuransi	(266.556.299)	(189.293.786)
Perawatan / Maintenance	(8.436.073.442)	(8.680.597.310)
Admin & Overhead	(918.094.218)	(977.770.342)
Biaya Karyawan	(2.972.700.877)	(3.165.926.434)
Sub Total Pembayaran Biaya Lainnya	(16.552.122.454)	(17.146.425.530)
Pembayaran Biaya Bunga		
Pembayaran Pajak	(27.826.213.070)	(28.705.306.114)
Arus Kas Bersih Dari Kegiatan Operasional	83.731.625.699	85.971.561.789
Kegiatan Investasi		
Equipment (IDR)		
Utility - electricity & water supply (IDR)		
Laboratorium dan alat pemeliharaan (IDR)		
Perumahan & bangunan lainnya (IDR)		
Pembelian Lahan		
Perizinan		
Biaya Konsultan Proyek		
Bunga Masa Pembangunan / Interest During Construction		
Kendaraan		
Arus Kas Bersih Dari Kegiatan Investasi	-	-
Kegiatan Pendanaan		
Pemegang Saham		
- Setoran Modal Saham		
- Pinjaman Pemegang Saham (Modal Kerja)		
- Pembayaran Dividen	(66.979.047.598)	(69.074.801.342)
Bank		
- Pencairan Kredit		
- Bunga Masa Pembangunan / Interest During Construction		
- Cicilan Kredit		
Arus Kas Bersih Dari Kegiatan Pendanaan	(66.979.047.598)	(69.074.801.342)
Arus Kas Bersih Tahun Berjalan	16.752.578.101	16.896.760.447
Saldo Kas Awal	97.816.930.228	114.569.508.329
Saldo Kas Akhir	114.569.508.329	131.466.268.776

LAMPIRAN 6. CASH FLOW

	14 2022	15 2023
Kegiatan Operasional		
Penerimaan Penjualan	1.642.383.071.544	1.689.988.377.965
Pembayaran Hutang Dagang	(1.506.738.813.084)	(1.550.412.401.869)
Pembayaran Biaya Lainnya		
Utilitas - Listrik & Air	(2.445.319.542)	(2.516.198.369)
Biaya Pekerja / Labor	(1.870.566.380)	(1.992.153.195)
Asuransi	(112.031.273)	(34.768.760)
Perawatan / Maintenance	(8.932.208.826)	(9.191.113.430)
Admin & Overhead	(1.041.325.415)	(1.109.011.567)
Biaya Karyawan	(3.371.711.652)	(3.590.872.909)
Sub Total Pembayaran Biaya Lainnya	(17.773.163.087)	(18.434.118.229)
Pembayaran Biaya Bunga	-	-
Pembayaran Pajak	(29.603.486.289)	(30.520.934.919)
Arus Kas Bersih Dari Kegiatan Operasional	88.267.609.083	90.620.922.948
Kegiatan Investasi		
Equipment (IDR)		
Utility - electricity & water supply (IDR)		
Laboratorium dan alat pemeliharaan (IDR)		
Perumahan & bangunan lainnya (IDR)		
Pembelian Lahan		
Perizinan		
Biaya Konsultan Proyek		
Bunga Masa Pembangunan / Interest During Construction		
Kendaraan		
Arus Kas Bersih Dari Kegiatan Investasi	-	-
Kegiatan Pendanaan		
Pemegang Saham		
- Setoran Modal Saham		
- Pinjaman Pemegang Saham (Modal Kerja)		
- Pembayaran Dividen	(71.215.514.811)	(73.401.566.942)
Bank		
- Pencairan Kredit		
- Bunga Masa Pembangunan / Interest During Construction		
- Cicilan Kredit		
Arus Kas Bersih Dari Kegiatan Pendanaan	(71.215.514.811)	(73.401.566.942)
Arus Kas Bersih Tahun Berjalan	17.052.094.272	17.219.356.006
Saldo Kas Awal	131.466.268.776	148.518.363.048
Saldo Kas Akhir	148.518.363.048	165.737.719.054

LAMPIRAN 6. CASH FLOW16
2024

Kegiatan Operasional	
Penerimaan Penjualan	1.738.973.548.341
Pembayaran Hutang Dagang	(1.595.351.891.779)
Pembayaran Biaya Lainnya	
Utilitas - Listrik & Air	(2.589.131.655)
Biaya Pekerja / Labor	(2.121.643.153)
Asuransi	4.711.318
Perawatan / Maintenance	(9.457.522.514)
Admin & Overhead	(1.181.097.318)
Biaya Karyawan	(3.824.279.648)
Sub Total Pembayaran Biaya Lainnya	(19.168.962.971)
Pembayaran Biaya Bunga	-
Pembayaran Pajak	(31.457.814.404)
Arus Kas Bersih Dari Kegiatan Operasional	92.994.879.188
Kegiatan Investasi	
Equipment (IDR)	
Utility - electricity & water supply (IDR)	
Laboratorium dan alat pemeliharaan (IDR)	
Perumahan & bangunan lainnya (IDR)	
Pembelian Lahan	
Perizinan	
Biaya Konsultan Proyek	
Bunga Masa Pembangunan / Interest During Construction	
Kendaraan	
Arus Kas Bersih Dari Kegiatan Investasi	-
Kegiatan Pendanaan	
Pemegang Saham	
- Setoran Modal Saham	
- Pinjaman Pemegang Saham (Modal Kerja)	
- Pembayaran Dividen	(80.673.098.031)
Bank	
- Pencairan Kredit	
- Bunga Masa Pembangunan / Interest During Construction	
- Cicilan Kredit	
Arus Kas Bersih Dari Kegiatan Pendanaan	(80.673.098.031)
Arus Kas Bersih Tahun Berjalan	12.321.781.157
Saldo Kas Awal	165.737.719.054
Saldo Kas Akhir	178.059.500.211

PROJEKSI

	0	1	2	3	4
	2009	2010	2011	2012	
Penjualan					
Bio Diesel	482.742.455,104	1.015.477.226,463	1.067.556.486,563	1.098.500.152,840	
Crude Glycerin	50.221.939,253	103.355.295,275	106.351.100,935	109.433.741,542	
PFAD-1	7.967.791,259	16.397.483,461	16.872.772,836	17.361.838,715	
PFAD-2	4.759.306,728	9.794.515,296	10.078.414,290	10.370.542,240	
Total Hasil Penjualan	545.691.492,345	1.145.024.520,494	1.200.858.774,624	1.235.666.275,338	
Biaya Produksi Langsung					
Feedstock	495.086.086,957	1.018.872.816,635	1.048.405.362,045	1.078.793.923,264	
Methanol	21.349.958,199	43.937.595,135	45.211.148,617	46.521.616,693	
Catalyst	1.541.045,135	3.171.426,220	3.263.351,618	3.357.941,520	
Bahan lainnya	1.955.697,306	4.024.768,368	4.141.428,321	4.261.469,721	
Utilitas	421.633,077	1.735.499,619	1.785.803,956	1.837.566,390	
Biaya Pekerja / Labor	412.475,567	878.572,957	935.680,199	996.499,412	
Biaya Produksi Tak Langsung					
Asuransi	1.108.405,964	1.031.560,330	954.714,696	877.869,061	
Perawatan / Maintenance	3.080.409,957	6.339.394,403	6.523.144,966	6.712.221,631	
Depresiasi	7.812.639,854	15.369.126,846	15.369.126,846	15.369.126,846	
Equipment	6.625.000,447	13.250.000,893	13.250.000,893	13.250.000,893	
Utility - Electricity & Water Supply System	682.830,171	1.365.660,342	1.365.660,342	1.365.660,342	
Laboratorium dan alat pemeliharaan	178.813,894	178.813,894	178.813,894	178.813,894	
Perumahan	248.656,374	497.312,749	497.312,749	497.312,749	
Kendaraan	77.338,969	77.338,969	77.338,969	77.338,969	
Harga Pokok Produksi	532.768.372,015	1.095.360.760,514	1.126.589.761,263	1.158.728.234,538	
Perubahan Saldo Persediaan	(22.602.294,570)	(23.867.555,876)	(1.324.866,698)	(1.363.450,381)	
Harga Pokok Penjualan	510.166.077,444	1.071.493.204,638	1.125.264.894,565	1.157.364.784,157	
Laba Kotor	35.525.414,900	73.531.315,856	75.593.880,059	78.301.491,181	
Biaya Administrasi & Umum					
Admin & Overhead (exclude Personnel Cost)	229.620,983	489.092,693	520.883,718	554.741,160	
Biaya Karyawan	743.490,682	1.583.635,153	1.686.571,438	1.796.198,581	
Depresiasi / Amortisasi	629.001,347	1.258.002,695	1.258.002,695	1.258.002,695	
Pre-operating cost (consultant fee)	504.001,347	1.008.002,695	1.008.002,695	1.008.002,695	
Pre-operating cost (licence&permit)	125.000,000	250.000,000	250.000,000	250.000,000	
Sub Total Biaya Admin & Umum	1.602.113,012	3.330.730,541	3.465.457,851	3.608.942,436	

	0 2008	1 2009	2 2010	3 2011	4 2012
Biaya Penjualan		785.722.920	1.673.589.820	1.782.373.158	1.898.227.413
Labas Operasional		-	68.526.995.496	70.346.049.051	72.794.321.332
Interest Expense:					
Biaya Bunga Bank - Pinjaman Investasi		(9.510.542.813)	(17.295.990.045)	(14.760.090.521)	(11.910.753.816)
Biaya Bunga Bank - Pinjaman Modal Kerja		(9.510.542.813)	(17.295.990.045)	(14.760.090.521)	(11.910.753.816)
Biaya Bunga Shareholder - Pinjaman Investasi		-	-	-	-
Biaya Bunga Shareholder - Pinjaman Modal Kerja		-	-	-	-
Biaya Bunga - Pihak ke 3		-	-	-	-
Other Income/(Expense):					
Labas/Rugi Valuta- Belum realisasi					
Labas/Rugi Valuta- Realisasi					
Penghasilan Lain-lain					
Beban Lain- Lain					
Labas/Rugi penjualan Fixed Assets					
Labas/Rugi Translasi					
Labas Bersih Sebelum Pajak		23.627.036.155	51.231.005.451	55.585.958.530	60.883.567.516
Taksiran Pajak		(7.088.110.847)	(15.369.301.635)	(16.675.787.559)	(18.265.070.255)
Labas Bersih setelah Pajak		16.538.925.309	35.861.703.816	38.910.170.971	42.618.497.261
Dividen		-	-	-	-
Kumulatif Dividen		-	-	-	-

	5	6	7	8	9	10
	2013	2014	2015	2016	2017	2018
Penjualan						
Bio Diesel	1.130.340.736.980	1.163.104.236.603	1.196.817.402.881	1.231.507.762.385	1.267.203.639.556	1.303.934.179.833
Crude Glycerin	112.605.734.050	115.869.668.371	119.228.209.483	122.684.099.613	126.240.160.471	129.899.295.557
PFAD-1	17.865.080.417	18.382.908.835	18.915.746.773	19.464.029.288	20.028.204.050	20.608.731.703
PFAD-2	10.671.137.668	10.980.446.006	11.298.719.803	11.626.218.928	11.963.210.781	12.309.970.514
Total Hasil Penjualan	1.271.482.689.116	1.308.337.259.815	1.346.260.078.940	1.385.282.110.213	1.425.435.214.857	1.466.752.177.607
Biaya Produk Langsung						
Feedstock	1.110.063.312.344	1.142.239.060.528	1.175.347.439.094	1.209.415.480.806	1.244.471.001.989	1.280.542.625.235
Methanol	47.870.069.351	49.257.607.593	50.685.364.335	52.154.505.330	53.666.230.122	55.221.773.024
Catalyst	3.455.273.158	3.555.426.003	3.658.481.829	3.764.524.781	3.873.641.441	3.985.920.903
Bahan lainnya	4.384.990.583	4.512.091.759	4.642.877.028	4.777.453.173	4.915.930.077	5.058.420.804
Utilitas	1.890.829.184	1.945.635.827	2.002.031.068	2.060.060.954	2.119.772.866	2.181.215.558
Biaya Pekerja / Labor	1.061.271.874	1.130.254.546	1.203.721.091	1.281.962.962	1.365.290.554	1.454.034.441
Biaya Produk Tak Langsung						
Asuransi	801.023.427	724.177.793	647.332.159	570.486.524	498.343.838	421.081.325
Perawatan / Maintenance	6.906.778.780	7.106.975.266	7.312.974.550	7.524.944.826	7.743.059.169	7.967.495.667
Depresiasi	15.369.126.846	15.369.126.846	15.369.126.846	15.369.126.846	15.452.502.601	15.452.502.601
Equipment	13.250.000.893	13.250.000.893	13.250.000.893	13.250.000.893	13.250.000.893	13.250.000.893
Utility - Electricity & Water Supply System	1.365.660.342	1.365.660.342	1.365.660.342	1.365.660.342	1.365.660.342	1.365.660.342
Laboratorium dan alat pemeliharaan	178.813.894	178.813.894	178.813.894	178.813.894	211.532.958	211.532.958
Perumahan	497.312.749	497.312.749	497.312.749	497.312.749	497.312.749	497.312.749
Kendaraan	77.338.969	77.338.969	77.338.969	77.338.969	127.995.659	127.995.659
Harga Pokok Produksi	1.191.802.675.546	1.225.840.356.161	1.260.869.347.999	1.296.918.546.204	1.334.105.772.657	1.372.285.069.557
Perubahan Saldo Persediaan	(1.403.158.103)	(1.444.022.814)	(1.486.078.442)	(1.529.359.924)	(1.577.639.910)	(1.619.727.747)
Harga Pokok Penjualan	1.190.399.517.443	1.224.396.333.347	1.259.383.269.557	1.295.389.186.280	1.332.528.132.747	1.370.665.341.810
Laba Kotor	81.083.171.673	83.940.926.468	86.876.809.383	89.892.923.934	92.907.082.110	96.086.835.797
Biaya Administrasi & Umum						
Admin & Overhead (exclude Personnel Cost)	590.799.335	629.201.292	670.099.376	713.655.835	760.043.465	809.446.290
Biaya Karyawan	1.912.951.489	2.037.293.336	2.169.717.403	2.310.749.034	2.460.947.721	2.620.909.323
Depresiasi / Amortisasi	629.001.347	-	-	-	-	-
Pre-operating cost (consultant fee)	504.001.347	-	-	-	-	-
Pre-operating cost (licence&permit)	125.000.000	-	-	-	-	-
Sub Total Biaya Admin & Umum	3.132.752.172	2.666.494.628	2.839.816.779	3.024.404.869	3.220.991.186	3.430.355.613

	5 2013	6 2014	7 2015	8 2016	9 2017	10 2018
LABA/RUGI OPERASI & LOSS PROJECTION						
Biaya Penjualan	2.021.612.195	2.153.016.988	2.292.963.092	2.442.005.693	2.600.736.063	2.769.783.907
Laba Operasional	75.928.807.306	79.121.414.853	81.744.029.512	84.426.513.372	87.085.354.862	89.886.696.277
Interest Expense:						
Biaya Bunga Bank - Pinjaman Investasi	(8.709.239.094)	(5.112.017.153)	(1.070.178.580)	-	-	-
Biaya Bunga Bank - Pinjaman Modal Kerja	(8.709.239.094)	(5.112.017.153)	(1.070.178.580)	-	-	-
Biaya Bunga Shareholder - Pinjaman Investasi	-	-	-	-	-	-
Biaya Bunga Shareholder - Pinjaman Modal Kerjs	-	-	-	-	-	-
Biaya Bunga - Pihak ke 3	-	-	-	-	-	-
Other Income/Expense:						
Laba/Rugi Valuta- Belum realisasi						
Laba/Rugi Valuta- Realisasi						
Penghasilan Lain-lain						
Beban Lain-Lain						
Laba/Rugi penjualan Fixed Assets						
Laba/Rugi Translasi						
Laba Bersih Sebelum Pajak	67.219.568.212	74.009.397.700	80.673.850.933	84.426.513.372	87.085.354.862	89.886.696.277
Taksiran Pajak	(20.165.870.464)	(22.202.819.310)	(24.202.155.280)	(25.327.954.011)	(26.125.606.458)	(26.966.008.883)
Laba Bersih setelah Pajak	47.053.697.748	51.806.578.390	56.471.695.653	59.098.559.360	60.959.748.403	62.920.687.394
Deviden	47.053.697.748	51.806.578.390	56.471.695.653	59.098.559.360	60.959.748.403	62.920.687.394
Kumulatif Deviden	47.053.697.748	98.860.276.138	155.331.971.791	214.430.531.151	275.390.279.554	338.310.966.948

NET LOSS PROJECTION

	11 2019	12 2020	13 2021	14 2022	15 2023	16 2024
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Penjualan						
Bio Diesel	1.341.729.373.451	1.380.620.079.928	1.420.638.053.259	1.461.815.967.846	1.504.187.445.175	1.547.787.081.267
Crude Glycerin	133.664.492.530	137.538.825.647	141.525.458.274	145.627.645.471	149.848.736.644	154.192.178.285
PPAD-1	21.206.086.245	21.820.755.412	22.453.241.076	23.104.059.658	23.773.742.547	24.462.836.533
PPAD-2	12.666.781.253	13.033.934.333	13.411.729.531	13.800.475.314	14.200.489.092	14.612.097.471
Total Hasil Penjualan	1.509.266.733.479	1.553.013.593.319	1.598.028.482.140	1.644.348.148.289	1.692.010.413.457	1.741.054.193.557
Biaya Produksi Langsung						
Feedstock	1.317.659.802.778	1.355.852.840.540	1.395.152.922.875	1.435.592.138.030	1.477.203.504.350	1.520.020.997.230
Methanol	56.822.404.126	58.469.430.333	60.164.196.429	61.908.086.181	63.702.523.462	65.548.973.417
Catalyst	4.101.454.843	4.220.337.592	4.342.666.218	4.468.540.601	4.598.063.517	4.731.340.720
Bahan lainnya	5.205.041.697	5.355.912.470	5.511.156.310	5.670.899.971	5.835.273.883	6.004.412.257
Utilitas	2.244.439.197	2.309.495.405	2.376.437.301	2.445.319.542	2.516.198.369	2.589.131.655
Biaya Pekerja / Labor	1.548.546.679	1.649.202.213	1.756.400.357	1.870.566.380	1.992.153.195	2.121.643.153
Biaya Produksi Tak Langsung						
Asuransi	343.818.812	266.556.299	189.293.786	112.031.273	34.768.760	(4.711.318)
Perawatan / Maintenance	8.198.437.570	8.436.073.442	8.680.597.310	8.932.208.826	9.191.113.430	9.457.522.514
Depresiasi	15.452.502.601	15.452.502.601	15.452.502.601	15.452.502.601	15.452.502.601	7.896.015.609
Equipment	13.250.000.893	13.250.000.893	13.250.000.893	13.250.000.893	13.250.000.893	6.625.000.447
Utility - Electricity & Water Supply System	1.365.660.342	1.365.660.342	1.365.660.342	1.365.660.342	1.365.660.342	682.830.171
Laboratorium dan alat pemeliharaan	211.532.958	211.532.958	211.532.958	211.532.958	211.532.958	211.532.958
Perumahan	497.312.749	497.312.749	497.312.749	497.312.749	497.312.749	248.656.374
Kendaraan	127.995.659	127.995.659	127.995.659	127.995.659	127.995.659	127.995.659
Harga Pokok Produksi	1.411.576.448.303	1.452.012.350.895	1.493.626.173.186	1.536.452.293.405	1.580.526.101.566	1.618.365.325.237
Perubahan Saldo Persediaan	(1.666.906.977)	(1.715.462.534)	(1.765.434.885)	(1.816.865.706)	(1.869.797.922)	(1.605.300.398)
Harga Pokok Penjualan	1.409.909.541.325	1.450.296.888.361	1.491.860.738.301	1.534.635.427.699	1.578.656.303.644	1.616.760.024.839
Laba Kotor	99.357.192.154	102.716.706.959	106.167.743.839	109.712.720.591	113.354.109.813	124.294.168.719
Biaya Administrasi & Umum						
Admin & Overhead (exclude Personnel Cost)	862.060.299	918.094.218	977.770.342	1.041.325.415	1.109.011.567	1.181.097.318
Biaya Karyawan	2.791.268.429	2.972.700.877	3.165.926.434	3.371.711.652	3.590.872.909	3.824.279.648
Depresiasi / Amortisasi						
Pre-operating cost (consultant fee)						
Pre-operating cost (licence&permit)						
Sub Total Biaya Admin & Umum	3.653.328.728	3.890.795.095	4.143.696.776	4.413.037.066	4.699.884.476	5.005.376.967

LOSS PROJECTION

	11 2019	12 2020	13 2021	14 2022	15 2023	16 2024
Biaya Penjualan	2.949.819.861	3.141.558.152	3.345.759.432	3.563.233.795	3.794.843.991	4.041.508.851
Lab a Operasional	92.754.043.565	95.684.353.712	98.678.287.631	101.736.449.729	104.859.381.346	115.247.282.901
Interest Expense:						
Biaya Bunga Bank - Pinjaman Investasi						
Biaya Bunga Bank - Pinjaman Modal Kerja						
Biaya Bunga Shareholder - Pinjaman Investasi						
Biaya Bunga Shareholder - Pinjaman Modal Kerja						
Biaya Bunga - Pihak ke 3						
Other Income/(Expense):						
Lab a/Rugi Valuta- Belum realisasi						
Lab a/Rugi Valuta- Realisasi						
Penghasilan Lain-lain						
Beban Lain- Lain						
Lab a/Rugi penjualan Fixed Assets						
Lab a/Rugi Translasi						
Lab a Bersih Sebelum Pajak	92.754.043.565	95.684.353.712	98.678.287.631	101.736.449.729	104.859.381.346	115.247.282.901
Taksiran Pajak	(27.826.213.070)	(28.705.306.114)	(29.603.486.289)	(30.520.934.919)	(31.457.814.404)	(34.574.184.870)
Lab a Bersih setelah Pajak	64.927.830.496	66.979.047.598	69.074.801.342	71.215.514.811	73.401.566.942	80.673.098.031
Deviden	64.927.830.496	66.979.047.598	69.074.801.342	71.215.514.811	73.401.566.942	80.673.098.031
Kumulatif Deviden	403.238.797.444	470.217.845.042	539.292.646.384	610.508.161.195	683.909.728.137	764.582.826.168

	2007	2008	0	2009	1	2010	2	2011	3	2012	4
PT. PERSI NERACA											
Aktiva Lancar :											
Kas dan Setara Kas	46.114.194.660	34.848.684.090	(6.964.456.079)	25.573.112.162	60.240.850.612						
Piutang Dagang	23.150.548.160	48.576.797.839	50.945.523.772	52.422.205.620							
Piutang Lain Lain											
Persediaan Barang	22.602.294.570	46.469.850.446	47.794.717.145	49.158.167.526							
Uang Muka dan Piutang Lainnya											
Total Aktiva Lancar	46.114.194.660	80.601.526.821	88.082.192.206	124.313.353.078	161.821.223.758						
Aktiva Tetap :											
Nilai Perolehan	144.918.893.585	229.493.832.658	229.493.832.658	229.493.832.658	229.493.832.658	229.493.832.658	229.493.832.658	229.493.832.658	229.493.832.658	229.493.832.658	229.493.832.658
Lahan	750.000.000	750.000.000	750.000.000	750.000.000	750.000.000	750.000.000	750.000.000	750.000.000	750.000.000	750.000.000	750.000.000
Equipment (IDR)	125.457.767.150	198.750.013.398	198.750.013.398	198.750.013.398	198.750.013.398	198.750.013.398	198.750.013.398	198.750.013.398	198.750.013.398	198.750.013.398	198.750.013.398
Utility - electricity & water supply (IDR)	13.054.332.092	20.484.905.130	20.484.905.130	20.484.905.130	20.484.905.130	20.484.905.130	20.484.905.130	20.484.905.130	20.484.905.130	20.484.905.130	20.484.905.130
Laboratorium dan alat pemeliharaan (IDR)	902.987.283	1.430.511.149	1.430.511.149	1.430.511.149	1.430.511.149	1.430.511.149	1.430.511.149	1.430.511.149	1.430.511.149	1.430.511.149	1.430.511.149
Perumahan & bangunan lainnya (IDR)	4.753.807.060	7.459.691.231	7.459.691.231	7.459.691.231	7.459.691.231	7.459.691.231	7.459.691.231	7.459.691.231	7.459.691.231	7.459.691.231	7.459.691.231
Kendaraan	618.711.750	618.711.750	618.711.750	618.711.750	618.711.750	618.711.750	618.711.750	618.711.750	618.711.750	618.711.750	618.711.750
Akumulasi Depresiasi	0	(7.812.639.854)	(23.181.766.701)	(38.550.893.547)	(53.920.020.393)	(53.920.020.393)	(53.920.020.393)	(53.920.020.393)	(53.920.020.393)	(53.920.020.393)	(53.920.020.393)
Equipment (IDR)	(6.625.000.447)	(19.875.001.340)	(33.125.002.233)	(46.375.003.126)	(46.375.003.126)	(46.375.003.126)	(46.375.003.126)	(46.375.003.126)	(46.375.003.126)	(46.375.003.126)	(46.375.003.126)
Utility - electricity & water supply system (IDR)	(682.830.171)	(2.048.490.513)	(2.048.490.513)	(3.414.150.855)	(4.779.811.197)	(4.779.811.197)	(4.779.811.197)	(4.779.811.197)	(4.779.811.197)	(4.779.811.197)	(4.779.811.197)
Laboratorium dan alat pemeliharaan (IDR)	(178.813.894)	(357.627.787)	(357.627.787)	(536.441.681)	(715.255.574)	(715.255.574)	(715.255.574)	(715.255.574)	(715.255.574)	(715.255.574)	(715.255.574)
Perumahan & bangunan lainnya (IDR)	(248.656.374)	(745.969.123)	(745.969.123)	(1.243.281.872)	(1.740.594.621)	(1.740.594.621)	(1.740.594.621)	(1.740.594.621)	(1.740.594.621)	(1.740.594.621)	(1.740.594.621)
Kendaraan	(77.338.969)	(154.677.938)	(154.677.938)	(232.016.906)	(309.355.875)	(309.355.875)	(309.355.875)	(309.355.875)	(309.355.875)	(309.355.875)	(309.355.875)
Nilai Baku - Net	144.918.893.585	221.681.192.804	206.312.065.957	190.942.939.111	175.573.812.265	175.573.812.265	175.573.812.265	175.573.812.265	175.573.812.265	175.573.812.265	175.573.812.265
Aktiva Lala-lai:											
Aktiva dalam Kontruksi											
Biaya Pra Operasi	1.000.000.000	1.000.000.000	1.000.000.000	1.000.000.000	1.000.000.000	1.000.000.000	1.000.000.000	1.000.000.000	1.000.000.000	1.000.000.000	1.000.000.000
Perizinan	2.594.486.132	4.032.010.779	4.032.010.779	4.032.010.779	4.032.010.779	4.032.010.779	4.032.010.779	4.032.010.779	4.032.010.779	4.032.010.779	4.032.010.779
Biaya Konsultan proyek	0	(629.001.347)	(1.887.004.042)	(3.145.006.737)	(4.403.009.431)	(4.403.009.431)	(4.403.009.431)	(4.403.009.431)	(4.403.009.431)	(4.403.009.431)	(4.403.009.431)
Akumulasi Depresiasi	0	(125.000.000)	(250.000.000)	(250.000.000)	(250.000.000)	(250.000.000)	(250.000.000)	(250.000.000)	(250.000.000)	(250.000.000)	(250.000.000)
Depr. Biaya Pra Operasi - Perizinan	(504.001.347)	(1.008.002.695)	(1.008.002.695)	(1.008.002.695)	(1.008.002.695)	(1.008.002.695)	(1.008.002.695)	(1.008.002.695)	(1.008.002.695)	(1.008.002.695)	(1.008.002.695)
Depr. Biaya Pra Operasi - Biaya Konsultan Proyek	3.594.486.132	4.403.009.431	3.145.006.737	1.887.004.042	629.001.347	629.001.347	629.001.347	629.001.347	629.001.347	629.001.347	629.001.347
Nilai Baku - Biaya Pra Operasi - Net	3.594.486.132	4.403.009.431	3.145.006.737	1.887.004.042	629.001.347	629.001.347	629.001.347	629.001.347	629.001.347	629.001.347	629.001.347
Total Aktiva Lala-lai	3.594.486.132	4.403.009.431	3.145.006.737	1.887.004.042	629.001.347	629.001.347	629.001.347	629.001.347	629.001.347	629.001.347	629.001.347
TOTAL AKTIVA	194.627.574.378	306.685.729.056	297.539.264.900	317.143.296.231	338.024.037.370	338.024.037.370	338.024.037.370	338.024.037.370	338.024.037.370	338.024.037.370	338.024.037.370

	2007	2008	0	2009	1	2010	2	2011	3	2012	4
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Hutang Jangka Pendek :											
Hutang Dagang	0	11.028.877.313	22.697.109.832	23.354.997.073	24.031.953.510						
Uang Muka											
Hutang Afiliasi-Kepada Group Perusahaan		7.088.110.847	15.369.301.635	16.675.787.559	18.265.070.255						
Hutang Pajak	0	0	0	0	0						
Hutang Bunga											
Hutang Jk Panjang yg jatuh tempo dlm 1 thn											
Hutang Jk Pendek - Pemegang Saham											
Hutang Jk Pendek - Bank											
Biaya Ymh dibayar dan Provisi											
Total Hutang Jangka Pendek	0	18.116.988.159	38.066.411.467	40.030.784.632	42.297.023.765						

Hutang Jangka Panjang :											
Hutang Jk Panjang - Pemegang Saham	46.114.194.660	46.114.194.660	0	0	0						
Hutang Jk Panjang - Bank	99.460.671.892	149.113.101.451	128.596.115.012	105.543.229.050	79.641.006.382						
Hutang Jk Panjang - Lainnya											
Hak Minoritas atas aktiva bersih Perusahaan	0	0	0	0	0						
Cadangan untuk Pajak ditangguhkan	0	0	0	0	0						
Total Hutang Jangka Panjang	0	145.574.866.552	195.227.296.111	128.596.115.012	105.543.229.050	79.641.006.382					

Modal:											
Modal di setor	49.052.707.825	76.016.796.557	76.016.796.557	76.016.796.557	76.016.796.557						
Saldo awal Laba Ditahan	0	-	16.538.925.309	52.400.629.124	91.310.800.095						
Labas/(Rugi) tahun berjalan	-	16.538.925.309	35.861.703.816	38.910.170.971	42.618.497.261						
Dividen	-	-	-	-	-						
Saldo akhir Laba Ditahan	0	49.052.707.825	92.555.721.865	128.417.425.681	167.327.596.652	209.946.093.913					
Total Modal	0	194.627.574.378	305.900.006.136	295.079.952.160	312.901.610.334	331.884.124.060					

REKAPITULASI NERACA

	2013	2014	2015	2016	2017	2018	2019
Aktiva Lancar :							
Kas dan Setara Kas	48.831.589.859	33.398.942.192	32.866.678.079	49.377.692.380	64.704.434.105	81.198.110.672	97.816.930.228
Piutang Dagang	53.941.689.841	55.505.217.083	57.114.063.955	58.769.544.070	60.473.009.115	62.225.849.959	64.029.497.784
Piutang Lain Lain							
Persediaan Barang	50.561.325.629	52.005.348.443	53.491.426.885	55.020.786.809	56.598.426.719	58.218.154.466	59.885.061.443
Uang Muka dan Piutang Lainnya							
Total Aktiva Lancar	153.334.605.329	140.909.507.719	143.472.168.918	163.168.023.258	181.775.869.939	201.642.115.097	221.731.489.456
Aktiva Tetap :							
Nilai Perolehan	229.493.832.658	229.493.832.658	229.493.832.658	229.493.832.658	229.899.086.176	229.899.086.176	229.899.086.176
Lahan	750.000.000	750.000.000	750.000.000	750.000.000	750.000.000	750.000.000	750.000.000
Equipment (IDR)	198.750.013.398	198.750.013.398	198.750.013.398	198.750.013.398	198.750.013.398	198.750.013.398	198.750.013.398
Utility - electricity & water supply (IDR)	20.484.905.130	20.484.905.130	20.484.905.130	20.484.905.130	20.484.905.130	20.484.905.130	20.484.905.130
Laboratorium dan alat pemeliharaan (IDR)	1.430.511.149	1.430.511.149	1.430.511.149	1.430.511.149	1.430.511.149	1.430.511.149	1.430.511.149
Perumahan & bangunan lainnya (IDR)	7.459.691.231	7.459.691.231	7.459.691.231	7.459.691.231	7.459.691.231	7.459.691.231	7.459.691.231
Kendaraan	618.711.750	618.711.750	618.711.750	618.711.750	618.711.750	618.711.750	618.711.750
Akumulasi Depresiasi	(69.289.147.240)	(84.638.274.086)	(100.027.400.932)	(115.396.527.778)	(130.230.318.629)	(145.682.821.230)	(161.135.323.831)
Equipment (IDR)	(59.625.004.019)	(72.875.004.913)	(86.125.005.806)	(99.375.006.699)	(112.625.007.592)	(125.875.008.486)	(139.125.009.379)
Utility - electricity & water supply system (IDR)	(6.145.471.539)	(7.511.131.881)	(8.876.792.223)	(10.242.452.565)	(11.608.112.907)	(12.973.773.249)	(14.339.433.591)
Laboratorium dan alat pemeliharaan (IDR)	(894.069.468)	(1.072.883.362)	(1.251.697.255)	(1.430.511.149)	(1.642.044.107)	(1.853.577.066)	(2.065.110.024)
Perumahan & bangunan lainnya (IDR)	(2.237.907.369)	(2.735.220.118)	(3.232.532.867)	(3.729.845.616)	(4.227.158.364)	(4.724.471.113)	(5.221.783.862)
Kendaraan	(386.694.844)	(464.033.813)	(541.372.781)	(618.711.750)	(700.000.000)	(788.986.976)	(889.086.976)
Nilai Baku - Net	160.204.685.418	144.835.558.572	129.466.431.726	114.097.304.880	99.668.767.547	84.216.264.946	68.763.762.345
Aktiva Lain-lain:							
Aktiva dalam Kontruksi	(15.369.126.846)	(15.369.126.846)	(15.369.126.846)	(15.369.126.846)	(14.833.790.851)	(15.452.502.601)	(15.452.502.601)
Biaya Pra Operasi	(15.998.128.194)	(15.369.126.846)	(15.369.126.846)	(15.369.126.846)	(14.833.790.851)	(15.452.502.601)	(15.452.502.601)
Perizinan	1.000.000.000						
Biaya Konsultansi proyek	4.032.010.779						
Akumulasi Depresiasi	(5.032.010.779)	0	0	0	0	0	0
Depr. Biaya Pra Operasi - Perizinan	(125.000.000)						
Depr. Biaya Pra Operasi - Biaya Konsultansi Proyek	(504.001.347)						
Nilai Baku - Biaya Pra Operasi- Net	313.539.290.748	285.745.066.291	272.938.600.644	277.265.328.137	281.444.637.486	285.858.380.043	290.495.251.801
Total Aktiva Lain-lain	313.539.290.748	285.745.066.291	272.938.600.644	277.265.328.137	281.444.637.486	285.858.380.043	290.495.251.801
TOTAL AKTIVA							

PT. SISI NEPACA

	2013	2014	2015	2016	2017	2018	2019	11
Hutang Jangka Pendek :								
Hutang Dagang	24.728.531.873	25.445.300.913	26.182.845.867	26.941.768.935	27.722.689.774	28.526.245.999	29.353.093.709	
Utang Muka								
Hutang Afiliasi-Kepada Group Perusahaan	20.165.870.464	22.202.819.310	24.202.155.280	25.327.954.011	26.125.606.458	26.966.008.883	27.826.213.070	
Hutang Pajak	0	0	0	0	0	0	0	
Hutang Bunga								
Hutang Jk Panjang yg jatuh tempo dlm 1 thn								
Hutang Jk Pendek - Pemegang Saham								
Hutang Jk Pendek - Bank								
Biaya Ymnh dibayar dan Provisi								
Total Hutang Jangka Pendek	44.894.402.336	47.648.120.223	50.385.001.146	52.269.722.947	53.848.296.232	55.492.254.883	57.179.306.779	
Hutang Jangka Panjang :								
Hutang Jk Panjang - Pemegang Saham	0	0	0	0	0	0	0	
Hutang Jk Panjang - Bank	50.537.268.993	17.836.309.662						
Hutang Jk Panjang - Lainnya	0	0	0	0	0	0	0	
Hak Minoritas atas aktiva bersih Perusahaan	0	0	0	0	0	0	0	
Cadangan untuk Pajak ditangguhkan	0	0	0	0	0	0	0	
Total Hutang Jangka Panjang	50.537.268.993	17.836.309.662	0	0	0	0	0	
Modal:								
Modal di sektor	76.016.796.557	76.016.796.557	76.016.796.557	76.016.796.557	76.016.796.557	76.016.796.557	76.016.796.557	
Saldo awal Laba Ditahan	133.929.297.356	133.929.297.356	133.929.297.356	133.929.297.356	133.929.297.356	133.929.297.356	133.929.297.356	
Labas/(Rugi) tahun berjalan	47.053.697.748	51.806.578.390	56.471.695.653	59.098.559.360	60.959.748.403	62.920.687.394	64.927.830.496	
Dividen	(47.053.697.748)	(51.806.578.390)	(56.471.695.653)	(59.098.559.360)	(60.959.748.403)	(62.920.687.394)	(64.927.830.496)	
Saldo akhir Laba Ditahan	133.929.297.356	133.929.297.356	133.929.297.356	133.929.297.356	133.929.297.356	133.929.297.356	133.929.297.356	
Total Modal	209.946.093.913	209.946.093.913	209.946.093.913	209.946.093.913	209.946.093.913	209.946.093.913	209.946.093.913	
TOTAL HUTANG & MODAL	305.377.765.242	275.430.523.797	260.331.095.059	262.215.816.860	263.794.390.145	265.438.348.795	267.125.400.692	

	2020	2021	2022	2023	2024
Aktiva Lancar :					
Kas dan Setara Kas	114.569.508.329	131.466.268.776	148.518.363.048	165.737.719.054	178.059.500.211
Piutang Dagang	65.885.425.256	67.795.147.727	69.760.224.473	71.782.259.965	73.862.905.181
Piutang Lain Lain	61.600.523.977	63.365.958.862	65.182.824.569	67.052.622.491	68.657.922.889
Persediaan Berang					
Utang Muka dan Piutang Lainnya					
Total Aktiva Lancar	242.055.457.563	262.627.375.366	283.461.412.090	304.572.601.510	320.580.328.281
Aktiva Tetap :					
Nilai Perolehan	229.899.086.176	229.899.086.176	229.899.086.176	229.899.086.176	229.899.086.176
Lahan	750.000.000	750.000.000	750.000.000	750.000.000	750.000.000
Equipment (IDR)	198.750.013.398	198.750.013.398	198.750.013.398	198.750.013.398	198.750.013.398
Utility - electricity & water supply (IDR)	20.484.905.130	20.484.905.130	20.484.905.130	20.484.905.130	20.484.905.130
Laboratorium dan alat pemeliharaan (IDR)	1.430.511.149	1.430.511.149	1.430.511.149	1.430.511.149	1.430.511.149
Perumahan & bangunan lainnya (IDR)	7.459.691.231	7.459.691.231	7.459.691.231	7.459.691.231	7.459.691.231
Kendaraan	1.023.965.268	1.023.965.268	1.023.965.268	1.023.965.268	1.023.965.268
Akumulasi Depresiasi	(176.587.826.432)	(192.040.329.033)	(207.492.831.634)	(222.945.334.235)	(230.841.349.843)
Equipment (IDR)	(152.375.010.272)	(165.625.011.165)	(178.875.012.058)	(192.125.012.952)	(198.750.013.398)
Utility - electricity & water supply system (IDR)	(15.705.093.933)	(17.070.754.275)	(18.436.414.617)	(19.802.074.959)	(20.484.905.130)
Laboratorium dan alat pemeliharaan (IDR)	(2.276.642.983)	(2.488.175.941)	(2.699.708.899)	(2.911.241.858)	(3.122.774.816)
Perumahan & bangunan lainnya (IDR)	(5.719.096.611)	(6.216.409.359)	(6.713.722.108)	(7.211.034.857)	(7.459.691.231)
Kendaraan	(511.982.634)	(639.978.293)	(767.973.951)	(895.969.610)	(1.023.965.268)
Nilai Buku - Net	53.311.259.744	37.858.757.143	22.406.254.542	6.953.751.942	(942.263.667)
(15.452.502.601)	(15.452.502.601)	(15.452.502.601)	(15.452.502.601)	(15.452.502.601)	(7.896.015.609)
(15.452.502.601)	(15.452.502.601)	(15.452.502.601)	(15.452.502.601)	(15.452.502.601)	(7.896.015.609)
Aktiva Lain-lain:					
Aktiva dalam Kontruksi					
Biaya Pra Operasi					
Perizinan					
Biaya Konsultan proyek	0	0	0	0	0
Akumulasi Depresiasi					
Depr. Biaya Pra Operasi - Perizinan					
Depr. Biaya Pra Operasi - Biaya Konsultan Proyek					
Nilai Buku - Biaya Pra Operasi - Net					
Total Aktiva Lain lain	295.366.717.307	300.486.132.509	305.867.666.632	311.526.353.451	319.638.064.614
TOTAL AKTIVA					

FINANCIAL FEASIBILITY

	0	1	2	3	4
	2008	2009	2010	2011	2012
Investasi	(140.150.593.786)	(77.040.253.519)	-	-	-
Perubahan Modal Kerja	(46.114.194.660)	11.390.229.242	(37.625.573.036)	(3.035.705.390)	(2.163.175.793)
TOTAL INVESTMENT	(186.264.788.446)	(65.650.024.276)	(37.625.573.036)	(3.035.705.390)	(2.163.175.793)
Net Income		16.538.925.309	35.861.703.816	38.910.170.971	42.618.497.261
Add Back Depreciation		8.441.641.202	16.627.129.541	16.627.129.541	16.627.129.541
Pinjaman Bank - Kredit Investasi (KI)	91.097.885.961	50.076.164.787			
Pinjaman Bank - KMK/Working Capital					
Pengembalian Bank - KI		(9.395.945.429)	(20.516.986.439)	(23.052.885.963)	(25.902.222.668)
Pengembalian Bank - KMK					
Salvage value pabrik					
Salvage value tanah					
FREE CASH FLOW FOR EQUITY	(95.166.902.485)	10.761.592	(5.653.726.118)	29.448.709.159	31.180.228.342
Cumulative Cash Flow	(95.166.902.485)	(95.156.140.893)	(100.809.867.011)	(71.361.157.851)	(40.180.929.510)
Logical Test	FALSE	FALSE	FALSE	FALSE	FALSE
Nominal Payback Period	0,00	0,00	0,00	0,00	0,00
	5,54				
Discounted Free Cash Flow	(95.166.902.485)	8.967.994	(3.926.198.693)	17.042.077.060	15.036.761.353
Cumulative Discounted Free Cash Flow	(95.166.902.485)	(95.157.934.492)	(99.084.133.185)	(82.042.056.125)	(67.005.294.772)
Logical Test	FALSE	FALSE	FALSE	FALSE	FALSE
Discounted Payback Period	0,00	0,00	0,00	0,00	0,00
	8,88				
Asumsi Biaya Modal (Cost of Equity)					
					20,00%
NPV (Net Present Value)	64.340.489.963				
MIRR (Modified Internal Rate of Return)	23,81%				
IRR (Internal Rate Of Return)	27,71%				
PI (Profitability Index)	1,65				

FINANCIAL FEASIBILITY

	5	6	7	8	9
	2013	2014	2015	2016	2017
Investasi					(2.716.228.935)
Perubahan Modal Kerja	(2.226.063.962)	(2.290.781.016)	(2.357.380.360)	(2.425.916.970)	(2.500.184.117)
TOTAL INVESTMENT	(2.226.063.962)	(2.290.781.016)	(2.357.380.360)	(2.425.916.970)	(5.216.413.052)
Net Income	47.053.697.748	51.806.578.390	56.471.695.653	59.098.559.360	60.959.748.403
Add Back Depreciation	15.998.128.194	15.369.126.846	15.369.126.846	15.369.126.846	15.452.502.601
Pinjaman Bank - Kredit Investasi (KI)					
Pinjaman Bank - KMK/Working Capital	(29.103.737.389)	(32.700.959.331)	(17.836.309.662)		
Pengembalian Bank - KMK					
Pengembalian Bank - KMK					
Salvage value pabrik					
Salvage value tanah					
FREE CASH FLOW FOR EQUITY	31.722.024.591	32.183.964.889	51.647.132.477	72.041.769.237	71.195.837.952
Cumulative Cash Flow	(8.458.904.919)	23.725.059.971	75.372.192.448	147.413.961.685	218.609.799.636
Logical Test	FALSE	TRUE	FALSE	FALSE	FALSE
<i>Nominal Payback Period</i>	0,00	5,54	0,00	0,00	0,00
Discounted Free Cash Flow	12.748.370.222	10.778.344.723	14.413.356.807	16.754.613.023	13.798.230.369
Cumulative Discounted Free Cash Flow	(54.256.924.550)	(43.478.579.827)	(29.064.813.020)	(12.310.199.997)	1.488.030.373
Logical Test	FALSE	FALSE	FALSE	FALSE	TRUE
<i>Discounted Payback Period</i>	0,00	0,00	0,00	0,00	8,88

Asumsi Biaya Modal (Cost of Equity)

NPV (Net Present Value)

MIRR (Modified Internal Rate of Return)

IRR (Internal Rate Of Return)

PI (Profitability Index)

FINANCIAL FEASIBILITY

	10 2018	11 2019	12 2020	13 2021	14 2022
Investasi					
Perubahan Modal Kerja	(2.569.012.366)	(2.643.707.092)	(2.720.575.696)	(2.799.681.761)	(2.881.090.753)
TOTAL INVESTMENT	(2.569.012.366)	(2.643.707.092)	(2.720.575.696)	(2.799.681.761)	(2.881.090.753)
Net Income	62.920.687.394	64.927.830.496	66.979.047.598	69.074.801.342	71.215.514.811
Add Back Depreciation	15.452.502.601	15.452.502.601	15.452.502.601	15.452.502.601	15.452.502.601
Pinjaman Bank - Kredit Investasi (KI)					
Pinjaman Bank - KMK/Working Capital					
Pengembalian Bank - KI					
Pengembalian Bank - KMK					
Salvage value pabrik					
Salvage value tanah					
FREE CASH FLOW FOR EQUITY	75.804.177.629	77.736.626.005	79.710.974.503	81.727.622.181	83.786.926.658
Cumulative Cash Flow	294.413.977.265	372.150.603.270	451.861.577.774	533.589.199.955	617.376.126.613
Logical Test	FALSE	FALSE	FALSE	FALSE	FALSE
Nominal Payback Period	0,00	0,00	0,00	0,00	0,00
Discounted Free Cash Flow	12.242.797.893	10.462.415.912	8.940.116.250	7.638.580.589	6.525.875.978
Cumulative Discounted Free Cash Flow	13.730.828.266	24.193.244.178	33.133.360.428	40.771.941.018	47.297.816.996
Logical Test	FALSE	FALSE	FALSE	FALSE	FALSE
Discounted Payback Period	0,00	0,00	0,00	0,00	0,00

Asumsi Biaya Modal (Cost of Equity)

NPV (Net Present Value)

MIRR (Modified Internal Rate of Return)

IRR (Internal Rate Of Return)

PI (Profitability Index)

LABORATORY FINANCIAL FEASIBILITY

	15	16
	2023	2024

Investasi		
Perubahan Modal Kerja	(2.964.870.072)	105.927.683.800
TOTAL INVESTMENT	(2.964.870.072)	105.927.683.800

Net Income	73.401.566.942	80.673.098.031
Add Back Depreciation	15.452.502.601	7.896.015.609
Pinjaman Bank - Kredit Investasi (KI)		
Pinjaman Bank - KMK/Working Capital		
Pengembalian Bank - KI		
Pengembalian Bank - KMK		
Salvage value pabrik	15.203.359.311	
Salvage value tanah	2.325.000.000	

FREE CASH FLOW FOR EQUITY	85.889.199.471	212.025.156.751
Cumulative Cash Flow	703.265.326.085	915.290.482.835
Logical Test	FALSE	FALSE
Nominal Payback Period	0,00	0,00

Discounted Free Cash Flow	5.574.678.990	11.467.993.977
Cumulative Discounted Free Cash Flow	52.872.495.986	64.340.489.963
Logical Test	FALSE	FALSE
Discounted Payback Period	0,00	0,00

Asumsi Biaya Modal (Cost of Equity) 4,610439811

NPV (Net Present Value)
MIRR (Modified Internal Rate of Return)
IRR (Internal Rate Of Return)
PI (Profitability Index)