

DAFTAR STANDAR SATUAN HARGA (SSH)

No.	Uraian	Spesifikasi	Satuan	Harga Zona 1	Harga Zona 2	Harga Zona 3	Harga Zona 4
22	SARANA LALU LINTAS						
22.1	Sarana Lalu Lintas Jalan						
22.1.1	Fasilitas Jalan						
22.1.1.1	Marka Jalan						
22.1.1.1.1	Glass Beed						
22.1.1.1.1.1	Glass Beed		Kg	Rp. 46.659,00	Rp. 45.300,00	Rp. 48.018,00	Rp. 49.830,00
22.1.1.1.1.2	marka thermoplastic 2mm		meter	Rp. 231.750,00	Rp. 225.000,00	Rp. 238.500,00	Rp. 247.500,00
22.1.1.1.1.3	marka coldplastic		meter	Rp. 566.500,00	Rp. 550.000,00	Rp. 583.000,00	Rp. 605.000,00
22.1.1.1.1.4	Pemasangan & Penarikan Kabel NYY 3 x 1,5		M	Rp. 1.891.595,00	Rp. 1.836.500,00	Rp. 1.946.690,00	Rp. 2.020.150,00
22.1.1.2	Rambu Lalu Lintas						
22.1.1.2.1	Thermoplastic						
22.1.1.2.1.1	Thermoplastic		Kg	Rp. 33.990,00	Rp. 33.000,00	Rp. 34.980,00	Rp. 36.300,00
22.1.1.2.2	Rambu Elektornik Include Panel Solar Cell						
22.1.1.2.2.1	Rambu Elektornik Include Panel Solar Cell		unit	Rp. 3.882.276,00	Rp. 3.769.200,00	Rp. 3.995.352,00	Rp. 4.146.120,00
22.1.1.2.3	Rambu lalu lintas proyek						
22.1.1.2.3.1	Rambu lalu lintas proyek		buah	Rp. 1.287.500,00	Rp. 1.250.000,00	Rp. 1.325.000,00	Rp. 1.375.000,00
22.1.1.2.3.2	Rambu lalu lintas standard		buah	Rp. 1.030.000,00	Rp. 1.000.000,00	Rp. 1.060.000,00	Rp. 1.100.000,00
22.1.1.2.3.3	Rambu portable		buah	Rp. 1.030.000,00	Rp. 1.000.000,00	Rp. 1.060.000,00	Rp. 1.100.000,00
22.1.1.2.3.4	Segitiga Pengaman		buah	Rp. 46.350,00	Rp. 45.000,00	Rp. 47.700,00	Rp. 49.500,00
22.1.1.2.4	Scotch Light						
22.1.1.2.4.1	Scotch Light		M2	Rp. 241.535,00	Rp. 234.500,00	Rp. 248.570,00	Rp. 257.950,00
22.1.1.2.4.2	Rambu Pendahulu Petunjuk Jurusan		unit	Rp. 9.785.000,00	Rp. 9.500.000,00	Rp. 10.070.000,00	Rp. 10.450.000,00

22.1.1.2.4.3	Rambu Tiang Tinggi		unit	Rp. 11.845.000,00	Rp. 11.500.000,00	Rp. 12.190.000,00	Rp. 12.650.000,00
22.1.1.2.4.4	fasilitas keselamatan perlintasan kereta api 2 arah		Lokasi	Rp. 206.000.000,00	Rp. 200.000.000,00	Rp. 212.000.000,00	Rp. 220.000.000,00
22.1.1.2.5	Scotch Light						
22.1.1.2.5.1	Scotch Light	Dim. 1250x1000-1000 K 350	meter	Rp. 209.914,00	Rp. 203.800,00	Rp. 216.028,00	Rp. 224.180,00
22.1.1.2.5.2	papan nama jalan		buah/set	Rp. 1.030.000,00	Rp. 1.000.000,00	Rp. 1.060.000,00	Rp. 1.100.000,00
22.1.1.2.5.3	pengadaan dan pemasangan warning light		buah/set	Rp. 36.050.000,00	Rp. 35.000.000,00	Rp. 37.100.000,00	Rp. 38.500.000,00
22.1.1.2.6	Scotch Light						
22.1.1.2.6.1	Scotch Light	Putih Engineering Grade	M2	Rp. 277.791,00	Rp. 269.700,00	Rp. 285.882,00	Rp. 296.670,00
22.1.1.2.7	Scotch Light						
22.1.1.2.7.1	Scotch Light	Warna Engineering Grade	M2	Rp. 277.791,00	Rp. 269.700,00	Rp. 285.882,00	Rp. 296.670,00
22.1.1.2.8	Scotch Light						
22.1.1.2.8.1	Scotch Light	Putih HI	M2	Rp. 406.541,00	Rp. 394.700,00	Rp. 418.382,00	Rp. 434.170,00
22.1.1.2.9	Scotch Light						
22.1.1.2.9.1	Scotch Light	Warna HI	M2	Rp. 406.541,00	Rp. 394.700,00	Rp. 418.382,00	Rp. 434.170,00
22.1.1.2.10	Road Barriers Dan Holding						
22.1.1.2.10.1	Road Barriers Dan Holding		unit	Rp. 1.720.100,00	Rp. 1.670.000,00	Rp. 1.770.200,00	Rp. 1.837.000,00
22.1.1.3	Tiang						
22.1.1.3.1	Tiang Bulat						
22.1.1.3.1.1	Tiang Bando Bulat galvanis	tinggi 7m bentang 12 m	unit	Rp. 51.937.029,00	Rp. 50.424.300,00	Rp. 53.449.758,00	Rp. 55.466.730,00
22.1.1.3.1.2	Bando		meter	Rp. 103.000,00	Rp. 100.000,00	Rp. 106.000,00	Rp. 110.000,00
22.1.1.3.1.3	Pengecatan Tiang Dengan Cat Minyak 3x Saputan		M2	Rp. 4.945.442,00	Rp. 4.801.400,00	Rp. 5.089.484,00	Rp. 5.281.540,00
22.1.1.3.2	Tiang Dekoratif						
22.1.1.3.3	Tiang Lengkung						
22.1.1.3.3.1	Tiang Lengkung Oktagonal Traffic Light		batang	Rp. 7.841.802,00	Rp. 7.613.400,00	Rp. 8.070.204,00	Rp. 8.374.740,00

22.1.1.3.3.2	Tiang Lengkung Oktagonal Traffic Light	Type L	batang	Rp. 17.098.000,00	Rp. 16.600.000,00	Rp. 17.596.000,00	Rp. 18.260.000,00
22.1.1.3.4	Tiang Oktagonal						
22.1.1.3.4.1	Tiang Oktagonal	5 m Single Hot Dipped Galvanized dengan Flenders	batang	Rp. 2.593.952,00	Rp. 2.518.400,00	Rp. 2.669.504,00	Rp. 2.770.240,00
22.1.1.3.4.2	Tiang Oktagonal	5 m Double Hot Dipped Galvanized dengan Flenders	batang	Rp. 4.166.865,00	Rp. 4.045.500,00	Rp. 4.288.230,00	Rp. 4.450.050,00
22.1.1.3.4.3	Tiang Oktagonal	7 m Single Hot Dipped Galvanized dengan Flenders	batang	Rp. 3.161.070,00	Rp. 3.069.000,00	Rp. 3.253.140,00	Rp. 3.375.900,00
22.1.1.3.4.4	Tiang Oktagonal	7 m Double Hot Dipped Galvanized dengan Flenders	batang	Rp. 4.166.865,00	Rp. 4.045.500,00	Rp. 4.288.230,00	Rp. 4.450.050,00
22.1.1.3.4.5	Tiang Oktagonal	9 m Single Hot Dipped Galvanized dengan Flenders	batang	Rp. 4.166.865,00	Rp. 4.045.500,00	Rp. 4.288.230,00	Rp. 4.450.050,00
22.1.1.3.4.6	Tiang Oktagonal	9 m Double Hot Dipped Galvanized dengan Flenders	batang	Rp. 5.172.660,00	Rp. 5.022.000,00	Rp. 5.323.320,00	Rp. 5.524.200,00
22.1.1.3.4.7	Tiang Oktagonal	12 m Single Hot Dipped Galvanized dengan Flenders	batang	Rp. 6.214.299,00	Rp. 6.033.300,00	Rp. 6.395.298,00	Rp. 6.636.630,00
22.1.1.3.4.8	Tiang Oktagonal	12 m Double Hot Dipped Galvanized dengan Flenders	batang	Rp. 7.220.094,00	Rp. 7.009.800,00	Rp. 7.430.388,00	Rp. 7.710.780,00
22.1.1.3.5	Tiang Lainnya						
22.1.1.3.5.1	Tiang Pancang		batang	Rp. 154.088,00	Rp. 149.600,00	Rp. 158.576,00	Rp. 164.560,00
22.1.1.3.5.2	Tiang RPPJ	Tiang type Lengkung H-05 meter Bentang 3.5m dan Angkur dia. 1 inchi panj. 60 Cm	batang	Rp. 4.698.036,00	Rp. 4.561.200,00	Rp. 4.834.872,00	Rp. 5.017.320,00
22.1.1.3.5.3	Tiang RPPJ	Tiang type Lengkung H-08 meter Bentang 3.5m dan Angkur dia. 1 inchi panj. 60 Cm	batang	Rp. 4.945.339,00	Rp. 4.801.300,00	Rp. 5.089.378,00	Rp. 5.281.430,00
22.1.1.3.5.4	Tiang Cabang Biasa	1-5 m	batang	Rp. 1.148.965,00	Rp. 1.115.500,00	Rp. 1.182.430,00	Rp. 1.227.050,00
22.1.1.3.5.5	Tiang Cabang Biasa	1-7 m	batang	Rp. 1.556.433,00	Rp. 1.511.100,00	Rp. 1.601.766,00	Rp. 1.662.210,00
22.1.1.3.5.6	Tiang Cabang Biasa	1-9 m	batang	Rp. 2.051.039,00	Rp. 1.991.300,00	Rp. 2.110.778,00	Rp. 2.190.430,00

22.1.1.3.5.7	Tiang Cabang Biasa	2-7 m	batang	Rp. 1.675.810,00	Rp. 1.627.000,00	Rp. 1.724.620,00	Rp. 1.789.700,00
22.1.1.3.5.8	Tiang Cabang Biasa	2-9 m	batang	Rp. 2.263.116,00	Rp. 2.197.200,00	Rp. 2.329.032,00	Rp. 2.416.920,00
22.1.1.3.5.9	Tiang RPPJ Oktagonal	Type F Tinggi 7.5 m tebal 4.5 mm	unit	Rp. 13.021.775,00	Rp. 12.642.500,00	Rp. 13.401.050,00	Rp. 13.906.750,00
22.1.1.3.5.10	Tiang Single Pole	12 M	batang	Rp. 8.248.446,00	Rp. 8.008.200,00	Rp. 8.488.692,00	Rp. 8.809.020,00
22.1.1.3.5.11	Tiang Single Pole + Pondasi + Pemasangan		unit	Rp. 8.991.179,00	Rp. 8.729.300,00	Rp. 9.253.058,00	Rp. 9.602.230,00
22.1.1.3.5.12	Tiang RPPJ Kantilever		unit	Rp. 12.401.715,00	Rp. 12.040.500,00	Rp. 12.762.930,00	Rp. 13.244.550,00
22.1.1.3.5.13	Tiang Overhead Oktagonal		unit	Rp. 11.781.552,00	Rp. 11.438.400,00	Rp. 12.124.704,00	Rp. 12.582.240,00
22.1.1.3.5.14	Tiang Cabang Biasa	2-5 m	unit	Rp. 1.545.618,00	Rp. 1.500.600,00	Rp. 1.590.636,00	Rp. 1.650.660,00
22.1.1.3.5.15	Tiang Biasa 5 m tanam		unit	Rp. 2.696.025,00	Rp. 2.617.500,00	Rp. 2.774.550,00	Rp. 2.879.250,00
22.1.1.3.5.16	Tiang Net Tennis Existing		unit	Rp. 26.883,00	Rp. 26.100,00	Rp. 27.666,00	Rp. 28.710,00
22.1.1.3.5.17	Tiang Bulat PJU		buah	Rp. 2.696.025,00	Rp. 2.617.500,00	Rp. 2.774.550,00	Rp. 2.879.250,00
22.1.1.3.5.18	Tiang Dekoratif PJU		buah	Rp. 4.852.845,00	Rp. 4.711.500,00	Rp. 4.994.190,00	Rp. 5.182.650,00
22.1.1.3.5.19	Tiang Pipa Hitam Net Volley	3 inchi tebal 2.8	M	Rp. 173.349,00	Rp. 168.300,00	Rp. 178.398,00	Rp. 185.130,00
22.1.1.3.5.20	Tiang Pendek Oktagonal Traffic Light		unit	Rp. 4.583.191,00	Rp. 4.449.700,00	Rp. 4.716.682,00	Rp. 4.894.670,00
22.1.1.3.5.22	Tiang Antrian Bahan Stainless Steel		buah	Rp. 782.800,00	Rp. 760.000,00	Rp. 805.600,00	Rp. 836.000,00
22.1.1.3.5.23	Tali Antrian Bahan Bludru		meter	Rp. 119.480,00	Rp. 116.000,00	Rp. 122.960,00	Rp. 127.600,00
22.1.1.3.5.24	Tiang Dekoratif PJU	Lampu Cab. III type amplas ornamen full aluminium	buah	Rp. 7.210.000,00	Rp. 7.000.000,00	Rp. 7.420.000,00	Rp. 7.700.000,00
22.1.1.3.5.25	Aluminium Alloy 10 x 10 x 2 cm		buah	Rp. 195.782,40	Rp. 190.080,00	Rp. 201.484,80	Rp. 209.088,00
22.1.1.3.5.26	Aluminium Alloy 10 x 12 x 2 cm		buah	Rp. 252.144,00	Rp. 244.800,00	Rp. 259.488,00	Rp. 269.280,00
22.1.1.3.5.27	Angkur		buah	Rp. 26.697,60	Rp. 25.920,00	Rp. 27.475,20	Rp. 28.512,00
22.1.1.3.5.28	Angkur Besi Siku Uk. 30 x 30 x 3 mm		M	Rp. 49.440,00	Rp. 48.000,00	Rp. 50.880,00	Rp. 52.800,00

22.1.1.3.5.29	Angkur Besi Siku Uk. 50 x 50 x 4 mm		M	Rp. 61.800,00	Rp. 60.000,00	Rp. 63.600,00	Rp. 66.000,00
22.1.1.3.5.30	Armatur Box Lampu		buah	Rp. 415.815,12	Rp. 403.704,00	Rp. 427.926,24	Rp. 444.074,40
22.1.1.3.5.31	Besi Angkur 30 x 30 x 3 mm		batang	Rp. 48.945,60	Rp. 47.520,00	Rp. 50.371,20	Rp. 52.272,00
22.1.1.3.5.32	Besi Bulat! 1		batang	Rp. 317.404,80	Rp. 308.160,00	Rp. 326.649,60	Rp. 338.976,00
22.1.1.3.5.33	Besi Bulat 1.25		batang	Rp. 607.370,40	Rp. 589.680,00	Rp. 625.060,80	Rp. 648.648,00
22.1.1.3.5.34	Besi Pengikat Baja Profil Design (Blocking)		buah	Rp. 210.614,40	Rp. 204.480,00	Rp. 216.748,80	Rp. 224.928,00
22.1.1.3.5.35	Besi Pengikat Galvanis		buah	Rp. 53.395,20	Rp. 51.840,00	Rp. 54.950,40	Rp. 57.024,00
22.1.1.3.5.36	Daun Rambu Aluminium 1.8 mm Dgn Refreftik Setting 1.5		M2	Rp. 556.200,00	Rp. 540.000,00	Rp. 572.400,00	Rp. 594.000,00
22.1.1.3.5.37	Daun Rambu Aluminium 2 mm Dgn Refreftik Setting		M2	Rp. 1.050.600,00	Rp. 1.020.000,00	Rp. 1.081.200,00	Rp. 1.122.000,00
22.1.1.3.5.38	Mor / Baut Diameter 1		buah	Rp. 41.529,60	Rp. 40.320,00	Rp. 42.739,20	Rp. 44.352,00
22.1.1.3.5.39	Mor / Baut 10 cm		buah	Rp. 1.236,00	Rp. 1.200,00	Rp. 1.272,00	Rp. 1.320,00
22.1.1.3.5.40	Mor Baut Beam 12 x 25 mm		buah	Rp. 9.195,84	Rp. 8.928,00	Rp. 9.463,68	Rp. 9.820,80
22.1.1.3.5.41	Mor Baut Blocking 16 x 30 mm		buah	Rp. 9.640,80	Rp. 9.360,00	Rp. 9.921,60	Rp. 10.296,00
22.1.1.3.5.42	Mor Baut Pagar Pengaman		buah	Rp. 11.865,60	Rp. 11.520,00	Rp. 12.211,20	Rp. 12.672,00
22.1.1.3.5.43	Mor Baut Posh 16 x 48 mm		buah	Rp. 13.348,80	Rp. 12.960,00	Rp. 13.737,60	Rp. 14.256,00
22.1.1.3.5.44	Pengecatan Tiang Dan Patok Pengaman		buah	Rp. 1.238.101,20	Rp. 1.202.040,00	Rp. 1.274.162,40	Rp. 1.322.244,00
22.1.1.3.5.45	Pipa Galvanis 1.5		M	Rp. 92.700,00	Rp. 90.000,00	Rp. 95.400,00	Rp. 99.000,00
22.1.1.3.5.46	Pipa Galvanis 2 Medium		M	Rp. 309.000,00	Rp. 300.000,00	Rp. 318.000,00	Rp. 330.000,00
22.1.1.3.5.47	Pipa Pengaman PVC		batang	Rp. 185.400,00	Rp. 180.000,00	Rp. 190.800,00	Rp. 198.000,00
22.1.1.3.5.48	Tiang Lengkung		buah	Rp. 14.631.397,20	Rp. 14.205.240,00	Rp. 15.057.554,40	Rp. 15.625.764,00
22.1.1.3.5.49	Tiang Lurus		batang	Rp. 4.812.242,40	Rp. 4.672.080,00	Rp. 4.952.404,80	Rp. 5.139.288,00
22.1.1.3.5.50	Tiang Overhead		batang	Rp. 9.996.693,84	Rp. 9.705.528,00	Rp. 10.287.859,68	Rp. 10.676.080,80

22.1.1.3.5.51	Tiang Penyanggah Besi 32 Galvanis (Post 1800 x 320 x 6		batang	Rp. 1.432.771,20	Rp. 1.391.040,00	Rp. 1.474.502,40	Rp. 1.530.144,00
22.1.1.3.5.52	Tiang Lurus (Standar)		batang	Rp. 4.097.414,16	Rp. 3.978.072,00	Rp. 4.216.756,32	Rp. 4.375.879,20
22.1.1.3.5.53	Tiang Lengkung		batang	Rp. 7.338.280,32	Rp. 7.124.544,00	Rp. 7.552.016,64	Rp. 7.836.998,40
22.1.1.3.5.54	Ring Untuk Sepatu Tiang Pancang		set	Rp. 1.073.021,04	Rp. 1.041.768,00	Rp. 1.104.274,08	Rp. 1.145.944,80
22.1.1.3.5.55	Tiang Baja D = 457.2 mm T = 12 mm		ton	Rp. 49.231.419,85	Rp. 47.797.495,00	Rp. 50.665.344,70	Rp. 52.577.244,50
22.1.1.3.5.56	Tiang Kayu Ulin 20/20 P = 15 m (Induk)		batang	Rp. 23.667.199,92	Rp. 22.977.864,00	Rp. 24.356.535,84	Rp. 25.275.650,40
22.1.1.3.5.57	Tiang Kayu Ulin 20/20 P = 15 m (Gapit)		batang	Rp. 24.300.889,91	Rp. 23.593.097,00	Rp. 25.008.682,82	Rp. 25.952.406,70
22.1.1.3.5.58	Tiang Kayu Ulin 20/20 P = 10 m (Induk)		batang	Rp. 16.694.588,14	Rp. 16.208.338,00	Rp. 17.180.838,28	Rp. 17.829.171,80
22.1.1.3.5.59	Tiang Kayu Ulin 20/20 P = 12 m (Gapit)		batang	Rp. 19.016.767,43	Rp. 18.462.881,00	Rp. 19.570.653,86	Rp. 20.309.169,10
22.1.1.3.5.60	Tiang Kayu Ulin 20/20 P = 5 M		batang	Rp. 7.986.920,76	Rp. 7.754.292,00	Rp. 8.219.549,52	Rp. 8.529.721,20
22.1.1.3.5.61	Tiang Kayu ulin 15/15 P = 10 M		batang	Rp. 9.001.229,74	Rp. 8.739.058,00	Rp. 9.263.401,48	Rp. 9.612.963,80
22.1.1.3.5.62	Tiang Kayu Kamper 15/15 P = 8 M (Gapit)		batang	Rp. 3.085.441,22	Rp. 2.995.574,00	Rp. 3.175.308,44	Rp. 3.295.131,40
22.1.1.3.5.63	Tiang Kayu Kamper 15/15 P = 6 M (Induk)		batang	Rp. 230.800,34	Rp. 224.078,00	Rp. 237.522,68	Rp. 246.485,80
22.1.1.3.5.64	Tiang Rambu dan Jangkar 10/10 cm		M3	Rp. 20.917.836,37	Rp. 20.308.579,00	Rp. 21.527.093,74	Rp. 22.339.436,90
22.1.1.3.5.65	Pengadaan & Pemasangan Elbow ? 3" AW		buah	Rp. 4.655.600,00	Rp. 4.520.000,00	Rp. 4.791.200,00	Rp. 4.972.000,00
22.1.1.3.6	Tiang lampu hight mast 40 m						
22.1.1.3.7	Tiang lampu hight mast 20 m						
22.1.1.3.8	Tiang lampu hight mast 12m						
22.1.1.3.9	Tiang lampu hight mast 25 m						
22.1.1.3.10	Tiang LPJU hexagonal 9 meter lengan ganda						
22.1.1.3.11	Tiang LPJU antik 9 meter lengan ganda						
22.1.1.3.12	Tiang LPJU antik 9 meter						

22.1.1.4	Lighting						
22.1.1.4.1	Flexiligth						
22.1.1.4.2	Flood Lighting						
22.1.1.4.2.1	Flood Lighting LED	100 - 240 V	buah	Rp. 4.120.000,00	Rp. 4.000.000,00	Rp. 4.240.000,00	Rp. 4.400.000,00
22.1.1.4.2.2	Flood Lighting	HPS	buah	Rp. 2.860.310,00	Rp. 2.777.000,00	Rp. 2.943.620,00	Rp. 3.054.700,00
22.1.1.4.2.3	Flood Lighting LED	220 - 240 V	buah	Rp. 8.894.050,00	Rp. 8.635.000,00	Rp. 9.153.100,00	Rp. 9.498.500,00
22.1.1.4.3	LED Traffic Light						
22.1.1.4.3.1	LED PCTL	2 Aspek 300 mm (LED) + count down timer + pasang	unit	Rp. 14.266.942,00	Rp. 13.851.400,00	Rp. 14.682.484,00	Rp. 15.236.540,00
22.1.1.4.3.2	Lampu LED Traffic Light 2 Aspek	Dia. 30 cm	unit	Rp. 8.137.000,00	Rp. 7.900.000,00	Rp. 8.374.000,00	Rp. 8.690.000,00
22.1.1.4.3.3	Lampu Jalan Raya LED		unit	Rp. 9.239.718,00	Rp. 8.970.600,00	Rp. 9.508.836,00	Rp. 9.867.660,00
22.1.1.4.3.4	Lampu Pedestrian LED		unit	Rp. 7.915.447,00	Rp. 7.684.900,00	Rp. 8.145.994,00	Rp. 8.453.390,00
22.1.1.4.3.5	LED Traffic Light	D=30cm - 3 Aspek	unit	Rp. 11.999.500,00	Rp. 11.650.000,00	Rp. 12.349.000,00	Rp. 12.815.000,00
22.1.1.4.3.6	PJU LED Solar System		unit	Rp. 31.100.850,00	Rp. 30.195.000,00	Rp. 32.006.700,00	Rp. 33.214.500,00
22.1.1.4.3.7	Steplight		unit	Rp. 1.268.960,00	Rp. 1.232.000,00	Rp. 1.305.920,00	Rp. 1.355.200,00
22.1.1.4.3.8	Marker LED		unit	Rp. 1.133.000,00	Rp. 1.100.000,00	Rp. 1.166.000,00	Rp. 1.210.000,00
22.1.1.4.3.9	Lampu Sorot LED		unit	Rp. 8.837.400,00	Rp. 8.580.000,00	Rp. 9.094.800,00	Rp. 9.438.000,00
22.1.1.4.3.10	Controller LED		unit	Rp. 16.840.500,00	Rp. 16.350.000,00	Rp. 17.331.000,00	Rp. 17.985.000,00
22.1.1.4.3.11	Dynafood LED		unit	Rp. 21.424.000,00	Rp. 20.800.000,00	Rp. 22.048.000,00	Rp. 22.880.000,00
22.1.1.4.3.12	Box Lampu 2 Aspek		buah	Rp. 6.045.671,52	Rp. 5.869.584,00	Rp. 6.221.759,04	Rp. 6.456.542,40
22.1.1.4.3.13	Box Lampu 2 Aspek Diameter 30 cm		buah	Rp. 12.701.828,16	Rp. 12.331.872,00	Rp. 13.071.784,32	Rp. 13.565.059,20
22.1.1.4.3.14	Box Lampu 3 Aspek		buah	Rp. 9.099.654,48	Rp. 8.834.616,00	Rp. 9.364.692,96	Rp. 9.718.077,60
22.1.1.4.3.15	Kabel 4 x 3 - NYY 4 x 3 mm		M	Rp. 21.012,00	Rp. 20.400,00	Rp. 21.624,00	Rp. 22.440,00
22.1.1.4.3.16	Kabel NYY 4 x 2.5 mm		buah	Rp. 203.940,00	Rp. 198.000,00	Rp. 209.880,00	Rp. 217.800,00
22.1.1.4.3.17	Controller 4 Phase 2 Pedestrian Box Luar		set	Rp. 108.896.758,24	Rp. 105.725.008,00	Rp. 112.068.508,48	Rp. 116.297.508,80

22.1.1.4.3.18	Pasang Dan Set Box Lampu		buah	Rp. 176.690,32	Rp. 171.544,00	Rp. 181.836,64	Rp. 188.698,40
22.1.1.4.3.19	Pembatas Arus Listrik		buah	Rp. 241.761,60	Rp. 234.720,00	Rp. 248.803,20	Rp. 258.192,00
22.1.1.4.3.20	Pembuatan Dudukan Box Control		buah	Rp. 2.102.436,00	Rp. 2.041.200,00	Rp. 2.163.672,00	Rp. 2.245.320,00
22.1.1.4.3.21	Penyambung Listrik (PLN)		unit	Rp. 12.678.467,76	Rp. 12.309.192,00	Rp. 13.047.743,52	Rp. 13.540.111,20
22.1.1.4.3.22	Set Terminal Kabel		buah	Rp. 69.710,40	Rp. 67.680,00	Rp. 71.740,80	Rp. 74.448,00
22.1.1.4.3.23	Terminal Kabel		buah	Rp. 20.085,00	Rp. 19.500,00	Rp. 20.670,00	Rp. 21.450,00
22.1.1.4.3.24	Balon Lampu Untuk Traffic Light Merk Osram dan Philips		buah	Rp. 167.375,00	Rp. 162.500,00	Rp. 172.250,00	Rp. 178.750,00
22.1.1.4.3.25	Box Lampu 3 Aspek DL 20 cm Printer		set	Rp. 6.427.200,00	Rp. 6.240.000,00	Rp. 6.614.400,00	Rp. 6.864.000,00
22.1.1.4.3.26	Armaturn Box Lampu		buah	Rp. 540.559,45	Rp. 524.815,00	Rp. 556.303,90	Rp. 577.296,50
22.1.1.4.3.27	Ram Pengaman Box Control		set	Rp. 723.060,00	Rp. 702.000,00	Rp. 744.120,00	Rp. 772.200,00
22.1.1.4.3.28	Box Lampu 2 Aspek		set	Rp. 184.792,30	Rp. 179.410,00	Rp. 190.174,60	Rp. 197.351,00
22.1.1.4.3.29	Controller Warning Light		unit	Rp. 10.566.219,98	Rp. 10.258.466,00	Rp. 10.873.973,96	Rp. 11.284.312,60
22.1.1.4.3.30	Generator Set. Kapasitas 25 KVA (27.5 Kva)		unit	Rp. 243.698.000,00	Rp. 236.600.000,00	Rp. 250.796.000,00	Rp. 260.260.000,00
22.1.1.4.3.31	Lampu Sorot 1000 Watt / Hologen		unit	Rp. 243.698.000,00	Rp. 236.600.000,00	Rp. 250.796.000,00	Rp. 260.260.000,00
22.1.1.4.3.32	Lampu TL 20 Watt		unit	Rp. 187.460.000,00	Rp. 182.000.000,00	Rp. 192.920.000,00	Rp. 200.200.000,00
22.1.1.4.3.33	Saklar Ganda		buah	Rp. 20.085,00	Rp. 19.500,00	Rp. 20.670,00	Rp. 21.450,00
22.1.1.4.3.34	Saklar Tunggal		buah	Rp. 14.327,30	Rp. 13.910,00	Rp. 14.744,60	Rp. 15.301,00
22.1.1.4.3.35	Skring Kast 1 Goup		buah	Rp. 52.890,50	Rp. 51.350,00	Rp. 54.431,00	Rp. 56.485,00
22.1.1.4.3.36	Box Lampu 3 Spek DL 20 cm Printer		set	Rp. 9.640.800,00	Rp. 9.360.000,00	Rp. 9.921.600,00	Rp. 10.296.000,00
22.1.1.4.3.37	Ram Pengaman Box Control		set	Rp. 4.997.646,52	Rp. 4.852.084,00	Rp. 5.143.209,04	Rp. 5.337.292,40
22.1.1.4.3.38	Controller Warning Light		buah	Rp. 679.800,00	Rp. 660.000,00	Rp. 699.600,00	Rp. 726.000,00
22.1.1.4.4	Traffic Light						

22.1.1.4.4.1	Kaca Traffic Light dari Fibber		buah	Rp. 100.425,00	Rp. 97.500,00	Rp. 103.350,00	Rp. 107.250,00
22.1.1.4.4.2	Kaca Asli Traffic Light		buah	Rp. 200.850,00	Rp. 195.000,00	Rp. 206.700,00	Rp. 214.500,00
22.1.1.4.5	LED PCTL (Pendestrian Crossing Traffic Light)						
22.1.1.4.6	Lighting Lainnya						
22.1.1.4.7	Baterai Solar Cell						
22.1.1.4.8	Contactor 18 A						
22.1.1.4.9	Contactor 32 A						
22.1.1.4.10	Contactor 50 A						
22.1.1.4.11	Contactor 80 A						
22.1.1.4.12	Contactor 95 A						
22.1.1.4.13	Fiting Batu E 27						
22.1.1.4.14	Fiting Batu E 40						
22.1.1.5	Bola Lampu						
22.1.1.5.1	Bola Lampu Halogen						
22.1.1.5.1.1	Bola Lampu Halogen	1000 W	buah	Rp. 395.417,00	Rp. 383.900,00	Rp. 406.934,00	Rp. 422.290,00
22.1.1.5.1.2	Bola Lampu HPS 150 W (Hallogen)	150 Watt	buah	Rp. 77.250,00	Rp. 75.000,00	Rp. 79.500,00	Rp. 82.500,00
22.1.1.5.1.3	Bola Lampu HPS 300 W (Hallogen)	300 Watt	buah	Rp. 115.875,00	Rp. 112.500,00	Rp. 119.250,00	Rp. 123.750,00
22.1.1.5.2	Ballast untuk Bola High Presure Sodium 100 Watt						
22.1.1.5.3	Ballast untuk Bola High Presure Sodium 1000 watt						
22.1.1.5.4	Ballast untuk Bola High Presure Sodium 150 watt						
22.1.1.5.5	Ballast untuk Bola High Presure Sodium 250 watt						
22.1.1.5.6	Ballast untuk Bola High Presure Sodium 70 watt						
22.1.1.5.7	Ballast untuk Bola High Presure Sodium 400 watt						
22.1.1.5.8	Beugel klem 10" x 1,5"						
22.1.1.5.9	Beugel klem 3" x 1,5"						
22.1.1.5.10	Bola High Presure Sodium, clear 1000 watt						
22.1.1.5.11	Bola High Presure Sodium, clear 150 watt						
22.1.1.5.12	Bola High Presure Sodium, clear 250 watt						

22.1.1.5.13	Bola High Presure Sodium, coated 150 watt						
22.1.1.5.14	Bola High Presure Sodium, coated 250 watt						
22.1.1.5.15	Bola High Presure Sodium, coated 70 watt						
22.1.1.5.16	Bola High Presure Sodium, clear 100 watt						
22.1.1.5.17	Bola metal halide 400 watt						
22.1.1.5.18	Bola Sl 50 watt						
22.1.1.5.19	Ignitor untuk bola high presure sodium (100-600 watt)						
22.1.1.5.20	Ignitor untuk bola high presure sodium, clear (1000 watt)						
22.1.1.5.21	ignitor untuk bola metal halide (150-400watt)						
22.1.1.6	Fasilitas Jalan						
22.1.2	Traffic Light Controller						
22.1.2.1	Local Controller Traffic Light						
22.1.2.1.1	Local Control PLC 12 Signal Group						
22.1.2.1.1.1	Local Control PLC 12 Signal Group		unit	Rp. 121.025.000,00	Rp. 117.500.000,00	Rp. 124.550.000,00	Rp. 129.250.000,00
22.1.2.1.1.2	Pemasangan & pengadaan Socket ? 3" AW		buah	Rp. 4.212.700,00	Rp. 4.090.000,00	Rp. 4.335.400,00	Rp. 4.499.000,00
22.1.2.1.2	Pedestrian Control						
22.1.2.1.2.1	Pedestrian Control	1 penyeberangan + pasang	unit	Rp. 139.050.000,00	Rp. 135.000.000,00	Rp. 143.100.000,00	Rp. 148.500.000,00
22.1.2.1.2.2	Terminal Box 12 Grub		buah	Rp. 9.156.700,00	Rp. 8.890.000,00	Rp. 9.423.400,00	Rp. 9.779.000,00
22.1.2.2	CARD LOCAL CONTROLER (LC) ATCS						
22.1.2.2.1	Logic Processor Module						
22.1.2.2.1.1	Logic Processor Module		unit	Rp. 37.595.000,00	Rp. 36.500.000,00	Rp. 38.690.000,00	Rp. 40.150.000,00
22.1.2.2.1.2	Pekerjaan Keramik Pondasi Pedestrian Controller Traffic Light		M2	Rp. 24.294.301,00	Rp. 23.586.700,00	Rp. 25.001.902,00	Rp. 25.945.370,00
22.1.2.2.2	ATCS4 Power Supply						
22.1.2.2.2.1	ATCS4 Power Supply		unit	Rp. 25.956.000,00	Rp. 25.200.000,00	Rp. 26.712.000,00	Rp. 27.720.000,00
22.1.2.3	Perangkat CCTV System						
22.1.2.3.1	Interface 4 Camera						

22.1.2.3.1.1	Interface 4 Camera		unit	Rp. 20.220.136,00	Rp. 19.631.200,00	Rp. 20.809.072,00	Rp. 21.594.320,00
22.1.2.3.2	Instalasi Camera + Interface ke LC						
22.1.2.3.2.1	Instalasi Camera + Interface ke LC		unit	Rp. 2.135.396,00	Rp. 2.073.200,00	Rp. 2.197.592,00	Rp. 2.280.520,00
22.1.2.3.3	Instalasi Camera + Cable Surveillance						
22.1.2.3.3.1	Instalasi Camera + Cable Surveillance		unit	Rp. 1.178.114,00	Rp. 1.143.800,00	Rp. 1.212.428,00	Rp. 1.258.180,00
22.1.2.3.4	NVR						
22.1.2.3.4.1	NVR	16 Channel	unit	Rp. 10.786.160,00	Rp. 10.472.000,00	Rp. 11.100.320,00	Rp. 11.519.200,00
22.1.2.3.5	NVR						
22.1.2.3.5.1	NVR	8 Channel	unit	Rp. 7.469.560,00	Rp. 7.252.000,00	Rp. 7.687.120,00	Rp. 7.977.200,00
22.1.2.3.6	Fixed Camera Including Housing						
22.1.2.3.6.1	Fixed Camera Including Housing		unit	Rp. 19.495.032,48	Rp. 18.927.216,00	Rp. 20.062.848,96	Rp. 20.819.937,60
22.1.2.3.7	Mainboard Kamera Dome VGA						
22.1.2.3.7.1	Mainboard Kamera Dome VGA		unit	Rp. 11.371.200,00	Rp. 11.040.000,00	Rp. 11.702.400,00	Rp. 12.144.000,00
22.1.2.3.8	Glass Cover Kamera Dome VGA						
22.1.2.3.8.1	Glass Cover Kamera Dome VGA		unit	Rp. 1.776.750,00	Rp. 1.725.000,00	Rp. 1.828.500,00	Rp. 1.897.500,00
22.1.2.3.9	Glass Cover Kamera Dome Megapixel						
22.1.2.3.9.1	Glass Cover Kamera Dome Megapixel		unit	Rp. 2.132.100,00	Rp. 2.070.000,00	Rp. 2.194.200,00	Rp. 2.277.000,00
22.1.2.3.10	Board Lensa Kamera Dome VGA						
22.1.2.3.10.1	Board Lensa Kamera Dome VGA		unit	Rp. 5.685.600,00	Rp. 5.520.000,00	Rp. 5.851.200,00	Rp. 6.072.000,00
22.1.3	Komponen Elektronik						
22.1.3.1	IC Integrated Circuit						
22.1.3.2	Condensor						
22.1.3.2.1	Condensor Liebig						
22.1.3.2.1.1	Condensor Liebig	L = 40 Cm - W/ 1 NS 29/32	buah	Rp. 401.700,00	Rp. 390.000,00	Rp. 413.400,00	Rp. 429.000,00
22.1.3.3	Relay						

22.1.3.4	Travo						
22.1.3.5	Komponen Pendukung Kontroler						
22.1.3.5.1	Time Switch						
22.1.3.5.1.1	Time Switch		unit	Rp. 339.179,00	Rp. 329.300,00	Rp. 349.058,00	Rp. 362.230,00
22.1.3.5.1.2	Time Switch		buah	Rp. 755.646,11	Rp. 733.637,00	Rp. 777.655,22	Rp. 807.000,70
22.1.3.5.2	Sekering MCB Thermis						
22.1.3.5.2.1	Sekering MCB Thermis	4-10 Amp	buah	Rp. 40.479,00	Rp. 39.300,00	Rp. 41.658,00	Rp. 43.230,00
22.1.3.5.3	Terminal Kabel						
22.1.3.5.3.1	Terminal Kabel		buah	Rp. 12.978,00	Rp. 12.600,00	Rp. 13.356,00	Rp. 13.860,00
22.1.3.5.4	Time Switch						
22.1.3.5.4.1	Time Switch	Sul 181 d	unit	Rp. 525.712,00	Rp. 510.400,00	Rp. 541.024,00	Rp. 561.440,00
22.1.4	Jaringan Listrik dan ATCS						
22.1.4.1	Peralatan Jaringan Listrik						
22.1.4.1.1	Konektor Kabel						
22.1.4.1.1.1	Konektor Kabel		buah	Rp. 254.410,00	Rp. 247.000,00	Rp. 261.820,00	Rp. 271.700,00
22.1.4.1.2	Konektor Kabel PJU						
22.1.4.1.2.1	Konektor Kabel PJU		buah	Rp. 16.892,00	Rp. 16.400,00	Rp. 17.384,00	Rp. 18.040,00
22.1.4.1.3	Kincir Angin						
22.1.4.1.3.1	Kincir Angin		unit	Rp. 46.102.800,00	Rp. 44.760.000,00	Rp. 47.445.600,00	Rp. 49.236.000,00
22.1.4.1.4	High Impact Conduit + Sock 20 Mm						
22.1.4.1.4.1	High Impact Conduit + Sock 20 Mm		set	Rp. 20.600,00	Rp. 20.000,00	Rp. 21.200,00	Rp. 22.000,00
22.1.4.1.5	Flexible Conduit						
22.1.4.1.5.1	Flexible Conduit	20 Mm	Roll	Rp. 257.500,00	Rp. 250.000,00	Rp. 265.000,00	Rp. 275.000,00
22.1.4.1.6	Cable Tray						
22.1.4.1.6.1	Cable Tray	200x50 Mm & Support	set	Rp. 309.000,00	Rp. 300.000,00	Rp. 318.000,00	Rp. 330.000,00
22.1.4.1.7	Cover Cable Tray						
22.1.4.1.7.1	Cover Cable Tray	200x50 Mm	set	Rp. 231.750,00	Rp. 225.000,00	Rp. 238.500,00	Rp. 247.500,00
22.1.4.1.8	Bracket Cable Tray						

22.1.4.1.8.1	Bracket Cable Tray	200x50 Mm	set	Rp. 46.350,00	Rp. 45.000,00	Rp. 47.700,00	Rp. 49.500,00
22.1.4.2	Spare Part / Modul Controller Contraf Type BSZ/BS						
22.1.4.3	Kamera CCTV Traffic Light dengan Fiber Optic						
22.1.4.3.1	Traffic Sensor Camera						
22.1.4.3.1.1	Traffic Sensor Camera	Include Housing dan Kabel untuk ATCS (UV Resistance)	unit	Rp. 37.406.613,00	Rp. 36.317.100,00	Rp. 38.496.126,00	Rp. 39.948.810,00
22.1.5	Kamera CCTV System						
22.1.5.1	Perangkat dan Controller System						
22.1.5.1.4	Local Controler ATCS ITS + Pasang						
22.1.5.1.4.1	Local Controler ATCS ITS + Pasang		unit	Rp. 244.757.664,00	Rp. 237.628.800,00	Rp. 251.886.528,00	Rp. 261.391.680,00
22.1.5.1.4.2	pengadaan dan pemasangan kamera ptz		titik	Rp. 123.600.000,00	Rp. 120.000.000,00	Rp. 127.200.000,00	Rp. 132.000.000,00
22.1.6	Upgrade CCROOM						
22.1.6.1	Kabel CCROOM						
22.1.6.2	Traffic Mangement Server						
22.1.6.2.1	Lisensi Keamanan Koneksi Perangkat Mobile						
22.1.6.2.1.1	Lisensi Keamanan Koneksi Perangkat Mobile	50 User	unit	Rp. 60.338.430,00	Rp. 58.581.000,00	Rp. 62.095.860,00	Rp. 64.439.100,00
22.1.6.3	Alat Pendukung Lalu lintas Lainnya						
22.1.6.3.1	Cold Plastik						
22.1.6.3.1.1	Cold Plastik		Kg	Rp. 52.427,00	Rp. 50.900,00	Rp. 53.954,00	Rp. 55.990,00
22.1.6.3.2	BPO (Benzyl Peroxide)						
22.1.6.3.2.1	BPO (Benzyl Peroxide)		Kg	Rp. 171.289,00	Rp. 166.300,00	Rp. 176.278,00	Rp. 182.930,00
22.1.6.3.3	Solvent						
22.1.6.3.3.1	Solvent		Ltr	Rp. 11.227,00	Rp. 10.900,00	Rp. 11.554,00	Rp. 11.990,00
22.1.6.3.4	Colour Sands						
22.1.6.3.4.1	Colour Sands	2-3 mm	Kg	Rp. 15.141,00	Rp. 14.700,00	Rp. 15.582,00	Rp. 16.170,00
22.1.6.3.5	Tombol PCTL						
22.1.6.3.5.1	Tombol PCTL		buah	Rp. 247.818,00	Rp. 240.600,00	Rp. 255.036,00	Rp. 264.660,00

22.1.6.3.6	Papan Petunjuk Tombol PCTL						
22.1.6.3.6.1	Papan Petunjuk Tombol PCTL		buah	Rp. 107.429,00	Rp. 104.300,00	Rp. 110.558,00	Rp. 114.730,00
22.1.6.3.7	Klem Papan Petunjuk Tombol PCTL						
22.1.6.3.7.1	Klem Papan Petunjuk Tombol PCTL		buah	Rp. 51.294,00	Rp. 49.800,00	Rp. 52.788,00	Rp. 54.780,00
22.1.6.3.8	Cermin Tikungan						
22.1.6.3.8.1	Cermin Tikungan		unit	Rp. 1.347.961,00	Rp. 1.308.700,00	Rp. 1.387.222,00	Rp. 1.439.570,00
22.1.6.3.9	Logo Pemkot untuk PJU						
22.1.6.3.9.1	Logo Pemkot untuk PJU		buah	Rp. 80.855,00	Rp. 78.500,00	Rp. 83.210,00	Rp. 86.350,00
22.1.6.3.10	Paku Beton Uk. 2 Cm						
22.1.6.3.10.1	Paku Beton Uk. 2 Cm		pak	Rp. 22.093,50	Rp. 21.450,00	Rp. 22.737,00	Rp. 23.595,00
22.1.6.3.11	Barrier Gate						
22.1.6.3.11.1	Barrier Gate		unit	Rp. 18.540.000,00	Rp. 18.000.000,00	Rp. 19.080.000,00	Rp. 19.800.000,00
22.1.6.3.12	Traffic Cone						
22.1.6.3.12.1	Traffic Cone		unit	Rp. 236.900,00	Rp. 230.000,00	Rp. 243.800,00	Rp. 253.000,00
22.1.6.3.12.2	Traffic Cone		unit	Rp. 106.128,11	Rp. 103.037,00	Rp. 109.219,22	Rp. 113.340,70
22.1.6.3.13	Rubber Speed Bump						
22.1.6.3.13.1	Rubber Speed Bump		Biji	Rp. 309.000,00	Rp. 300.000,00	Rp. 318.000,00	Rp. 330.000,00
22.1.6.3.14	Palang Pintu Kereta Api						
22.1.6.3.14.1	Palang Pintu Kereta Api		set	Rp. 1.452.300,00	Rp. 1.410.000,00	Rp. 1.494.600,00	Rp. 1.551.000,00
22.1.6.3.15	Pemeliharaan Palang Pintu Kereta Api						
22.1.6.3.15.1	Pemeliharaan Palang Pintu Kereta Api		paket	Rp. 46.370.811,15	Rp. 45.020.205,00	Rp. 47.721.417,30	Rp. 49.522.225,50
22.1.6.3.16	Alat Parkir Meter						
22.1.6.3.16.1	Alat Parkir Meter		unit	Rp. 158.208.000,00	Rp. 153.600.000,00	Rp. 162.816.000,00	Rp. 168.960.000,00
22.1.6.3.17	Controller Solar System						
22.1.6.3.17.1	Controller Solar System		unit	Rp. 1.926.100,00	Rp. 1.870.000,00	Rp. 1.982.200,00	Rp. 2.057.000,00
22.1.6.3.18	Metronomis						

22.1.6.3.18.1	Metronomis		unit	Rp. 7.121.420,00	Rp. 6.914.000,00	Rp. 7.328.840,00	Rp. 7.605.400,00
22.1.6.3.19	Bamboo LED						
22.1.6.3.19.1	Bamboo LED		unit	Rp. 49.440.000,00	Rp. 48.000.000,00	Rp. 50.880.000,00	Rp. 52.800.000,00