

Data Pengamatan Dari Compact Flash Nomad 2 Data Logger

Site : P.Mundi
 Date : 19-12-2007
 Start Time I : 11:00
 Finish Time I : 14:00
 Start Time II : 17:00
 Finish Time II : 20:00
 Total Time : 6 Jam
 Record Interval : 1 Menit

Record Interval	Daya Output		Frekuensi		Tegangan Phase I		Daya Reaktif	
	Time I	Time II	Time I	Time II	Time I	Time II	Time I	Time II
1	42,62792	13,39955	50,45856	50,25291	231,4786	231,4958	17347,24	21165,85
2	42,73756	22,9535	50,53513	50,25859	231,4859	231,4921	17491,76	20366,54
3	34,22928	29,32586	50,53655	50,29972	231,4972	231,4947	18846,92	19485,88
4	33,22697	38,66356	50,55627	50,29952	231,4946	231,5071	18893,9	18092,75
5	18,06533	36,47718	50,61418	50,40152	231,4848	231,4874	20739,36	18319,67
6	14,96587	42,42831	50,52483	50,42063	231,4811	231,4971	21037,56	17431,35
7	22,39547	51,37106	50,38874	50,41506	231,4784	231,471	20319	16072,26
8	13,25555	44,07182	50,06876	50,30447	231,4525	231,501	21160,31	17144,21
9	24,9851	30,21891	50,21183	50,35403	231,4983	231,4699	19964,94	19366,41
10	28,02762	33,61169	50,22494	50,30174	231,49	231,4687	19569,9	18934,93
11	31,44403	46,22017	50,26522	50,32098	231,491	231,491	19178,15	16783,07
12	45,59706	39,71933	50,07439	50,30303	231,4833	231,4871	16750,82	17883,65

13	46,58244	33,09214	50,0365	50,26541	231,4934	231,4725	16596,15	18900,91
14	30,47465	19,6877	49,94126	50,32502	231,4897	231,5134	18924,71	20906,91
15	38,42202	26,85613	49,96727	50,35505	231,4462	231,4785	17792,36	19995,75
16	24,39532	35,45321	50,03395	50,31649	231,4688	231,4971	19894,13	18617,88
17	42,76026	35,54334	50,022	50,29162	231,4909	231,487	17160,93	18477,53
18	29,09538	48,99255	49,99864	50,33486	231,4774	231,5034	18838,82	16365,79
19	36,5166	29,95622	50,08768	50,25581	231,4987	231,4809	18109,32	19140,21
20	35,13941	25,94595	50,07275	50,23068	231,5194	231,4822	18307,4	20056,06
21	28,29289	21,53836	50,00917	50,05877	231,5035	231,5033	19368,46	20366,11
22	21,87606	44,81919	49,95015	50,1739	231,471	231,5121	19847,96	17179,13
23	19,72954	57,12841	49,89236	50,22495	231,4872	231,4948	20507,79	15156,15
24	23,24114	50,41383	49,98269	50,42067	231,471	231,5071	20202,93	16385,67
25	40,04925	39,23814	50,01539	50,26487	231,4797	231,5282	17351,76	18000,13
26	36,15013	39,27411	50,05732	50,12215	231,4836	231,4884	18075,02	18114,52
27	33,81628	50,83643	50,16918	50,12204	231,5271	231,4748	18507,03	16208,38
28	50,08901	43,59914	50,30342	50,1026	231,4973	231,4935	16032,7	17289,35
29	40,51829	34,78774	50,16622	50,08979	231,4884	231,491	17403,9	18760,69
30	35,68438	36,19357	50,07036	50,12178	231,465	231,5045	18128,01	18529,21
31	20,71518	34,30043	50,02111	50,19403	231,4774	231,4897	20223,48	18769,78
32	20,59131	26,58356	49,98069	50,21525	231,481	231,517	20471,21	20139,74
33	26,47961	44,89691	49,9856	50,24114	231,4846	231,4946	19514,76	17276,86
34	22,89141	39,12495	50,05967	50,22614	231,4861	231,4983	20207,04	18138,89
35	17,14707	52,71848	49,99247	50,216	231,501	231,4636	20503,87	15952,7
36	17,07311	48,81224	49,9659	50,2129	231,4771	231,5207	20602,47	16509,32
37	35,1996	46,27382	50,12034	50,2207	231,4847	231,5007	18306,09	17024,26

38	26,9552	30,62175	50,06403	50,19252	231,5046	231,4638	19650,38	19276,84
39	19,96001	31,60529	50,0312	50,18243	231,5009	231,5009	20777,74	19288,31
40	26,84595	30,61469	50,00144	50,17095	231,4748	231,5096	19647,48	19509,72
41	13,17359	25,35459	50,00563	50,15847	231,5046	231,5083	20871,86	20207,1
42	13,25094	40,39191	50,04087	50,17313	231,5046	231,4712	20899,77	17891,68
43	12,71117	46,6108	49,96353	50,17337	231,4897	231,5021	20708,77	16844,88
44	11,7363	45,69198	49,97998	50,22755	231,4834	231,4638	20967,71	17071,81
45	15,18728	49,55474	50,0289	50,23822	231,4934	231,4873	20774,19	16317,13
46	5,950693	34,24292	49,9221	50,21531	231,4985	231,4589	20858,68	18684,14
47	10,86758	49,04329	49,99586	50,24215	231,5182	231,4985	20903,07	16480,82
48	19,41127	29,46187	50,07014	50,2133	231,4798	231,4946	20164,94	19560,81
49	29,67811	38,5134	50,14323	50,23595	231,4848	231,4686	19094,34	18125,71
50	23,69645	48,89772	50,12868	50,24166	231,5183	231,5009	20394,83	16477,8
51	29,00353	41,89198	50,15334	50,22166	231,4796	231,5182	19441,93	17707
52	29,85806	37,05231	50,16266	50,20233	231,4637	231,5008	19339,52	18335,16
53	19,50517	28,95998	50,0785	50,1977	231,4871	231,4761	20571,69	19866,71
54	17,49833	38,82569	50,05689	50,20522	231,4847	231,4786	21036,01	18094,21
55	17,10349	44,09554	49,98839	50,20249	231,4897	231,5021	20781,82	17244,34
56	20,46446	29,94366	50,03349	50,19112	231,4835	231,5022	20222,7	19610,91
57	22,6852	33,90684	50,26348	50,18134	231,491	231,5009	20496,18	18920,1
58	23,95833	20,89204	50,17949	50,18013	231,5169	231,5146	20410,59	20794,66
59	16,67238	38,0884	50,13795	50,19636	231,5022	231,4959	21203,27	18199,54
60	23,12531	43,14323	50,22522	50,20399	231,4773	231,4785	20498,76	17425,78
61	19,57645	48,18707	50,16417	50,19844	231,4909	231,4798	20900,4	16612,28
62	13,69563	30,85766	50,10032	50,1763	231,5082	231,4637	21211,94	19407,91

63	18,33076	37,36329	50,17234	50,16031	231,4611	231,4946	21190,62	18295,87
64	17,48615	21,311	50,1999	50,15522	231,4736	231,4923	21207,73	20440,66
65	19,43588	33,44384	50,18465	50,16505	231,4648	231,5146	21069,93	19001,22
66	19,56498	20,97591	50,17977	50,1387	231,5059	231,5181	21065,95	20781,85
67	15,96746	29,77126	50,16331	50,13447	231,4574	231,471	21184,99	19589,66
68	17,38456	21,48129	50,19774	50,12096	231,5269	231,5269	21201,22	20907,56
69	18,23431	26,19059	50,25434	50,0893	231,5109	231,4574	21157,69	20206,66
70	13,57242	30,411	50,26992	50,10561	231,5021	231,4983	21248,85	19625,74
71	26,31225	30,92859	50,30685	50,11595	231,4897	231,4836	19971,64	19407,94
72	31,76392	27,72287	50,2902	50,12288	231,4809	231,5184	19237,78	19689,47
73	23,81824	38,99199	50,28619	50,15161	231,4984	231,5023	20496,7	18170,73
74	27,8376	29,81211	50,30419	50,138	231,5033	231,4922	19869,86	19722,75
75	40,97524	26,05264	50,3163	50,14677	231,4924	231,4958	17746,81	20145,69
76	35,88028	29,64942	50,39212	50,12692	231,5295	231,461	18601,74	19763,43
77	31,41478	22,73775	50,37537	50,10322	231,4513	231,4836	19222,6	20832,42
78	30,52381	18,09873	50,38277	50,09735	231,5059	231,5083	19278,34	21330,29
79	29,78737	28,89534	50,29354	50,07749	231,4949	231,4923	19442,39	19864,71
80	32,64181	9,643672	50,27422	50,1316	231,5023	231,4971	18986,61	21180,28
81	24,53573	30,44431	50,23881	50,20307	231,4661	231,502	20170,09	19944,69
82	17,84193	22,76498	50,25094	50,20761	231,4785	231,5033	20889,71	20939,18
83	31,3946	31,23898	50,36533	50,20008	231,5072	231,4834	19248,46	19687,07
84	36,63794	23,90257	50,3693	50,17426	231,4984	231,5244	18433,95	20705,93
85	36,68287	20,27787	50,30883	50,16003	231,4687	231,4524	18271,41	21207,1
86	39,34727	22,77103	50,35645	50,16315	231,5209	231,4871	18028,85	21009,68
87	32,27846	22,46718	50,30198	50,15191	231,5033	231,5046	19105,03	21251,28

88	18,31899	13,0585	50,21168	50,11739	231,4946	231,4835	20870,92	21485,28
89	24,02375	17,96881	50,25346	50,1235	231,4736	231,4997	20444,58	21580,33
90	27,38889	26,86046	50,29802	50,11502	231,4835	231,5009	19590,56	20373,68
91	12,036	23,37295	50,16932	50,09565	231,5096	231,5071	21221,87	21054,71
92	20,71973	14,62707	50,19075	50,06216	231,5062	231,4761	20821,95	21810,34
93	8,463531	15,45563	50,12996	50,05481	231,5009	231,4997	21268,04	21826,95
94	30,00214	13,07308	50,24206	50,12352	231,4933	231,4971	19152,69	21946,45
95	40,95184	19,51087	50,32454	50,17523	231,4984	231,512	17739,18	21519,08
96	29,68622	15,69465	50,26503	50,15607	231,5057	231,4946	19546,64	21880,09
97	36,08913	16,09289	50,2882	50,15461	231,4997	231,4761	18521,58	22007,7
98	22,47481	16,17056	50,2049	50,13926	231,4861	231,4936	20672,5	21884,14
99	18,67772	21,29676	50,16972	50,12899	231,4723	231,4573	20728,21	21645,06
100	38,84457	35,31634	50,30875	50,12627	231,4984	231,5058	17997,38	19242,76
101	35,43801	28,82459	50,27775	50,10605	231,4971	231,4699	18535,76	20542,84
102	36,70816	24,95285	50,29108	50,06965	231,5046	231,4985	18437,81	21002,02
103	34,71092	26,44219	50,29069	50,14095	231,4822	231,5071	18750,19	20818,83
104	31,94842	24,83612	50,23933	50,12223	231,5418	231,4847	19124,28	20861,27
105	36,22553	37,56437	50,23522	50,12783	231,5071	231,4996	18387,68	18763,74
106	39,24218	34,05638	50,23375	50,11145	231,4859	231,4661	17911,74	19455,04
107	33,32856	22,1524	50,19718	50,11225	231,4996	231,4896	18829,07	21554,6
108	26,35369	28,58309	50,11809	50,13789	231,4886	231,4984	19836,31	20454,12
109	26,35216	28,35096	50,15076	50,13794	231,4787	231,4847	19707,17	20317,94
110	31,24543	40,60183	50,13694	50,14221	231,481	231,5282	19097,93	18215,28
111	12,39331	38,11469	50,03529	50,12746	231,486	231,5158	21039,22	18646,23
112	12,75868	33,38077	50,07475	50,10324	231,5219	231,4922	21144,99	19476,82

113	26,2991	28,74163	50,13976	50,10069	231,4935	231,5109	19969,99	20265,14
114	30,7689	36,27456	50,16756	50,11464	231,4948	231,461	19165,37	19046,96
115	28,974	33,39738	50,10964	50,13019	231,5008	231,5022	19449,9	19348,15
116	31,06909	23,07827	50,14325	50,10811	231,5307	231,4661	19127,9	21378,79
117	23,38257	39,6955	50,09797	50,11033	231,5145	231,5494	20285,57	18231,44
118	14,53872	39,67087	50,17818	50,0929	231,5009	231,481	21175,45	18213,75
119	16,03363	36,29285	50,11481	50,07151	231,4648	231,5169	20628,92	18695,66
120	19,57941	36,36952	50,15694	50,12368	231,4623	231,481	20131,58	18892,34
121	21,94426	29,83942	50,1965	50,11415	231,4884	231,4983	20330,65	20009,99
122	17,91987	31,57952	50,15734	50,12835	231,4946	231,5246	20693,69	19773,5
123	20,37199	39,24726	50,14416	50,13034	231,4784	231,4587	20663,31	18350,54
124	13,5355	21,89563	50,13583	50,13496	231,4772	231,4873	20890,68	21191,46
125	28,84238	30,30533	50,1942	50,13517	231,5045	231,4836	19334,54	19769,01
126	40,55532	24,28058	50,31203	50,12777	231,4649	231,4637	17699,31	20746,37
127	30,36948	25,51465	50,16471	50,12022	231,5144	231,491	19169,83	20346,76
128	15,36255	38,74889	50,17105	50,12938	231,4958	231,4823	20892,26	18300,95
129	16,97915	41,37033	50,11197	50,12214	231,4885	231,4736	20774,25	17689,56
130	18,32911	37,57293	50,18676	50,15137	231,4662	231,5269	20495,24	18327,58
131	49,34435	47,19242	50,2416	50,14567	231,481	231,5119	16368,57	16829,71
132	48,3291	42,45395	50,28261	50,13982	231,4958	231,512	16466,14	17623,41
133	32,83241	45,44382	50,22767	50,11919	231,4749	231,497	18976,96	17027,72
134	29,79937	25,50976	50,14016	50,1106	231,4762	231,5182	19401,34	20514,93
135	16,502	33,68752	50,08551	50,11431	231,4822	231,4934	21168,75	19002,25
136	12,73999	32,7681	50,05986	50,13055	231,5245	231,4996	20866,38	19248,83
137	29,13149	35,39055	50,17584	50,12835	231,4562	231,511	18622,05	18817,88

138	44,93081	39,72594	50,27826	50,12217	231,507	231,507	16965,54	18153,03
139	39,29525	42,57475	50,18525	50,14906	231,4984	231,4849	17941,4	17584,22
140	33,50293	42,26532	50,12796	50,12772	231,4959	231,4599	18851,87	17690,21
141	24,51869	44,44167	50,10349	50,11443	231,4996	231,4897	20198,4	17288,54
142	38,6993	45,21584	50,1364	50,1358	231,5184	231,4985	18031,97	17158,35
143	40,20537	45,77942	50,19994	50,13218	231,4972	231,528	17902,27	17059,62
144	46,21701	36,60302	50,19121	50,1148	231,491	231,5085	16857,5	18613,17
145	30,39087	27,57978	50,13933	50,12518	231,4922	231,4835	19400,37	20142,8
146	16,93476	23,78228	50,10536	50,12501	231,4785	231,5181	21087,32	20832,79
147	20,50333	35,84554	50,12826	50,12566	231,4971	231,4836	20689,17	18696,98
148	35,55491	35,08994	50,19934	50,11259	231,4996	231,5282	18556,01	18847,73
149	38,61397	35,24947	50,18434	50,10258	231,4588	231,507	18040,94	18742,99
150	20,90805	36,46052	50,13456	50,11839	231,5219	231,4971	20527,7	18523,67
151	15,80126	37,1231	50,05098	50,13034	231,4948	231,4922	21007,13	18551,02
152	27,76025	30,09158	50,10167	50,13979	231,5011	231,4786	19377,6	19692,03
153	24,75163	18,31702	50,08353	50,11412	231,4525	231,4886	20110,86	21554,07
154	24,96491	27,40295	50,07608	50,12804	231,5356	231,4848	20126,19	20063,69
155	15,8006	29,93082	50,06572	50,12616	231,4935	231,4787	21102,06	19798,42
156	12,44583	39,28312	49,99153	50,12136	231,4747	231,4575	21018,34	18219,88
157	15,63898	38,75849	50,09721	50,11839	231,5243	231,4885	21126,26	18273,13
158	24,22129	39,11139	50,13849	50,12512	231,4997	231,481	20311,75	18127,23
159	33,06123	40,81997	50,10837	50,12828	231,5157	231,507	18843,74	17863,27
160	24,26258	27,46613	50,08434	50,12876	231,491	231,4922	20111,43	20202,49
161	16,94647	20,81372	50,06428	50,11692	231,5318	231,5033	21052,36	21273,05
162	27,32824	31,97309	50,09056	50,11482	231,4959	231,4598	19759,82	19398,87

163	19,41021	43,98779	50,1182	50,12444	231,5132	231,4797	20703,47	17400,32
164	9,851718	29,50841	50,03474	50,12473	231,5035	231,5022	21227,04	19843,97
165	9,395903	36,18913	50,04126	50,11959	231,5071	231,4586	21194,18	18734,33
166	19,93116	30,52568	50,10042	50,1237	231,4958	231,4834	20178,94	19601,84
167	20,79092	38,90968	50,05828	50,13136	231,4983	231,4908	20690,11	18233,06
168	31,87412	22,8838	50,0981	50,11939	231,4823	231,4749	19103,69	20840,61
169	31,74357	49,47235	50,08893	50,12943	231,4835	231,5096	18988,02	16471,63
170	21,99162	37,33703	50,06167	50,15145	231,4811	231,4847	20374,74	18424,5
171	10,73206	46,62642	50,08574	50,16164	231,4824	231,5045	21224,52	16795,81
172	29,1956	47,99149	50,10799	50,10512	231,5059	231,4959	19465,63	16548,7
173	23,31736	44,4912	50,07771	50,10297	231,4574	231,5145	20520,41	17189,19
174	24,08533	35,3239	50,08104	50,08828	231,4886	231,481	20082,02	18675,63
175	6,911416	41,16528	50,04857	50,10662	231,4897	231,4722	21165,24	17801,12
176	23,93079	27,36195	50,06864	50,12861	231,4747	231,424	20352,37	20117,47
177	25,29583	37,67699	50,06743	50,12904	231,4922	231,4699	20078,49	18380,01
178	14,5656	35,61647	50,04843	50,13098	231,4797	231,4897	21158,69	18623,95
179	19,84683	41,32438	50,01376	50,14275	231,5146	231,5108	20872,51	17797,94
180	16,97516	40,3126	50,04004	50,13787	231,491	231,4809	20846,65	17790,9

Data Pengamatan Dari Monitoring Parameter Listrik Secara Real Time

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Record Interval	Daya Output		Frekuensi		Tegangan Phase I		Daya Reaktif	
	Time I	Time II	Time I	Time II	Time I	Time II	Time I	Time II
1	42,62792	13,39955	50,45856	50,25291	231,4786	231,4958	17347	21166
2	42,73756	22,9535	50,53513	50,25859	231,4859	231,4921	17492	20367
3	34,22928	29,32586	50,53655	50,29972	231,4972	231,4947	18847	19486
4	32,49877	38,66356	50,55627	50,29952	231,4946	231,5071	18894	18093
5	18,06533	36,47718	50,61418	50,40152	231,4848	231,4874	20739	18320
6	14,96587	42,42831	50,52483	50,42063	231,4811	231,4971	21038	17431
7	22,39547	49,3307	50,38874	50,41506	231,4784	231,493	20319	16072
8	13,25555	44,07182	50,06876	50,30447	231,4525	231,501	21160	17144
9	24,9851	30,21891	50,21183	50,35403	231,4983	231,4699	19965	19366
10	28,02762	33,61169	50,22494	50,30174	231,501	231,4687	19570	18935
11	31,44403	46,22017	50,33451	50,32098	231,491	231,491	19178	16783
12	45,59706	39,71933	50,07439	50,30303	231,4833	231,4871	16751	17884

13	46,58244	33,09214	50,0365	50,26541	231,4934	231,4725	16596	18901
14	30,47465	19,6877	49,94126	50,32502	231,4897	231,5134	18925	20907
15	38,42202	26,85613	49,96727	50,35505	231,4462	231,4785	17792	19996
16	24,39532	35,45321	50,03395	50,31649	231,4688	231,4971	19894	18618
17	42,76026	35,54334	50,022	50,29162	231,4909	231,487	17161	18478
18	29,09538	48,99255	49,99864	50,33486	231,4774	231,5034	18839	16366
19	36,5166	29,95622	50,08768	50,25581	231,4987	231,4809	18109	19140
20	35,13941	25,94595	50,07275	50,23068	231,5194	231,4822	18307	20056
21	28,29289	21,53836	50,00917	50,05877	231,5035	231,5033	19368	20366
22	21,87606	44,81919	49,95015	50,1739	231,471	231,5121	19848	17179
23	19,72954	57,12841	49,89236	50,22495	231,4872	231,4948	20508	15156
24	23,24114	50,41383	49,98269	50,42067	231,471	231,5071	20203	16386
25	40,04925	39,23814	50,01539	50,26487	231,4797	231,5282	17352	18000
26	36,15013	39,27411	50,05732	50,12215	231,4836	231,4884	18075	18115
27	33,81628	50,83643	50,16918	50,12204	231,5271	231,4748	18507	16208
28	50,08901	43,59914	50,30342	50,1026	231,4973	231,4935	16033	17289
29	40,51829	34,78774	50,16622	50,08979	231,4884	231,491	17404	18761
30	35,68438	36,19357	50,07036	50,12178	231,465	231,5045	18128	18529
31	20,71518	34,30043	50,02111	50,19403	231,4774	231,4897	20223	18770
32	20,59131	29,43564	50,10227	50,21525	231,51	231,517	20471	20140
33	24,66231	44,89691	49,9856	50,24114	231,4846	231,4946	19515	17277
34	22,89141	39,12495	50,05967	50,22614	231,4861	231,4983	20207	18139
35	17,14707	52,71848	49,99247	50,216	231,501	231,4636	20504	15953
36	17,07311	48,81224	49,9659	50,2129	231,4771	231,5207	20602	16509
37	35,1996	46,27382	50,12034	50,2207	231,4847	231,5007	18306	17024

38	26,9552	30,62175	50,06403	50,19252	231,5046	231,4638	19650	19277
39	19,96001	31,60529	50,0312	50,18243	231,5009	231,5009	20778	19288
40	26,84595	30,61469	50,00144	50,17095	231,4748	231,5096	19647	19510
41	13,17359	25,35459	50,00563	50,15847	231,5046	231,5083	20872	20207
42	13,25094	40,39191	50,04087	50,17313	231,5046	231,4712	20900	17892
43	12,71117	46,6108	49,96353	50,17337	231,4897	231,5021	20709	16845
44	11,7363	45,69198	49,97998	50,22755	231,4834	231,4638	20968	17072
45	15,18728	49,55474	50,0289	50,23822	231,4934	231,4873	20774	16317
46	5,950693	34,24292	49,9221	50,21531	231,4985	231,4589	20859	18684
47	10,86758	49,04329	49,99586	50,24215	231,5182	231,4985	20903	16481
48	19,41127	29,46187	50,07014	50,2133	231,4798	231,4946	20165	19561
49	29,67811	38,5134	50,14323	50,23595	231,4848	231,4686	19094	18126
50	23,69645	48,89772	50,12868	50,24166	231,5183	231,5009	20395	16478
51	29,00353	41,89198	50,15334	50,22166	231,4796	231,5182	19442	17707
52	29,85806	37,05231	50,16266	50,20233	231,4637	231,5008	19340	18335
53	19,50517	28,95998	50,0785	50,1977	231,4871	231,4761	20572	19867
54	17,49833	38,82569	50,05689	50,20522	231,4847	231,4786	21036	18094
55	17,10349	44,09554	49,98839	50,20249	231,4897	231,5021	20782	17244
56	20,46446	29,94366	50,03349	50,19112	231,4835	231,5022	20223	19611
57	22,6852	33,90684	50,26348	50,18134	231,491	231,5009	20496	18920
58	23,95833	20,89204	50,17949	50,18013	231,5169	231,5146	20411	20795
59	16,67238	38,0884	50,13795	50,19636	231,5022	231,4959	21203	18200
60	23,12531	43,14323	50,22522	50,20399	231,4773	231,4785	20499	17426
61	19,57645	48,18707	50,16417	50,19844	231,4909	231,4798	20900	16612
62	13,69563	30,85766	50,10032	50,1763	231,5082	231,4637	21212	19408

63	18,33076	37,36329	50,17234	50,16031	231,4611	231,4946	21191	18296
64	17,48615	21,311	50,1999	50,15522	231,4736	231,4923	21208	20441
65	19,43588	33,44384	50,18465	50,16505	231,4648	231,5146	21070	19001
66	19,56498	20,97591	50,17977	50,1387	231,5059	231,5181	21066	20782
67	15,96746	29,77126	50,16331	50,13447	231,4574	231,471	21185	19590
68	17,38456	21,48129	50,19774	50,12096	231,5269	231,5269	21201	20908
69	18,23431	26,19059	50,25434	50,0893	231,5109	231,5232	21158	20207
70	13,57242	30,411	50,26992	50,10561	231,5021	231,4983	21249	19626
71	26,31225	30,92859	50,30685	50,11595	231,4897	231,4836	19972	19408
72	31,76392	27,72287	50,2902	50,12288	231,4809	231,5184	19238	19689
73	23,81824	38,99199	50,28619	50,15161	231,4984	231,5023	20497	18171
74	27,8376	29,81211	50,30419	50,138	231,5033	231,4922	19870	19723
75	40,97524	30,61288	50,3163	50,14677	231,4924	231,4958	17747	20146
76	35,88028	29,64942	50,39212	50,12692	231,5295	231,461	18602	19763
77	31,41478	22,73775	50,37537	50,10322	231,4513	231,4836	19223	20832
78	30,52381	18,09873	50,38277	50,09735	231,5059	231,5083	19278	21330
79	29,78737	28,89534	50,29354	50,07749	231,4949	231,4923	19442	19865
80	32,64181	9,643672	50,27422	50,1316	231,5023	231,4971	18987	21180
81	24,53573	30,44431	50,23881	50,20307	231,4661	231,502	20170	19945
82	17,84193	22,76498	50,25094	50,20761	231,4785	231,5033	20890	20939
83	31,3946	31,23898	50,36533	50,20008	231,5072	231,4834	19248	19687
84	36,63794	23,90257	50,3693	50,17426	231,4984	231,5244	18434	20706
85	36,68287	20,27787	50,30883	50,16003	231,4687	231,4524	18271	21207
86	39,34727	22,77103	50,35645	50,16315	231,5209	231,4871	18029	21010
87	32,27846	22,46718	50,30198	50,15191	231,5033	231,5046	19105	21251

88	18,31899	13,0585	50,21168	50,11739	231,4946	231,4835	20871	21485
89	24,02375	17,96881	50,25346	50,1235	231,4736	231,4997	20445	21580
90	27,38889	26,86046	50,29802	50,11502	231,4835	231,5009	19591	20374
91	12,036	23,37295	50,16932	50,09565	231,5096	231,5071	21222	21055
92	20,71973	14,62707	50,19075	50,06216	231,5062	231,4761	20822	21810
93	8,463531	15,45563	50,12996	50,05481	231,5009	231,4997	21268	21827
94	30,00214	13,07308	50,24206	50,12352	231,4933	231,4971	19153	21946
95	40,95184	19,51087	50,32454	50,17523	231,4984	231,512	17739	21519
96	29,68622	15,69465	50,26503	50,15607	231,4922	231,4946	19547	21880
97	36,08913	16,09289	50,2882	50,15461	231,4997	231,4761	18522	22008
98	22,47481	16,17056	50,2049	50,13926	231,4861	231,4936	20673	21884
99	18,67772	21,29676	50,16972	50,12899	231,4723	231,4573	20728	21645
100	38,84457	35,31634	50,30875	50,12627	231,4984	231,5058	17997	19243
101	35,43801	28,82459	50,27775	50,10605	231,4971	231,4699	18536	20543
102	36,70816	24,95285	50,29108	50,06965	231,5046	231,4985	18438	21002
103	34,71092	26,44219	50,29069	50,14095	231,4822	231,5071	18750	20819
104	31,94842	24,83612	50,23933	50,12223	231,5418	231,4847	19124	20861
105	36,22553	37,56437	50,23522	50,12783	231,5071	231,4996	18388	18764
106	39,24218	34,05638	50,23375	50,11145	231,4859	231,4661	17912	19455
107	33,32856	22,1524	50,19718	50,11225	231,4996	231,4896	18829	21555
108	26,35369	28,58309	50,11809	50,13789	231,4886	231,4984	19836	20454
109	26,35216	28,35096	50,15076	50,13794	231,4787	231,4847	19707	20318
110	31,24543	40,60183	50,13694	50,14221	231,481	231,5282	19098	18215
111	12,39331	38,11469	50,03529	50,12746	231,486	231,5158	21039	18646
112	12,75868	33,38077	50,07475	50,10324	231,5219	231,4922	21145	19477

113	26,2991	28,74163	50,13976	50,10069	231,4935	231,5109	19970	20265
114	30,7689	36,27456	50,16756	50,11464	231,4948	231,461	19165	19047
115	28,974	33,39738	50,10964	50,13019	231,5008	231,5022	19450	19348
116	31,06909	23,07827	50,14325	50,10811	231,5307	231,4661	19128	21379
117	23,38257	39,6955	50,09797	50,11033	231,5145	231,5494	20286	18231
118	14,53872	39,67087	50,17818	50,0929	231,5009	231,481	21175	18214
119	16,03363	36,29285	50,11481	50,07151	231,4648	231,5169	20629	18696
120	19,57941	36,36952	50,15694	50,12368	231,4623	231,481	20132	18892
121	21,94426	29,83942	50,1965	50,11415	231,4884	231,4983	20331	20010
122	17,91987	31,57952	50,15734	50,12835	231,4946	231,5246	20694	19774
123	20,37199	39,24726	50,14416	50,13034	231,4784	231,4587	20663	18351
124	13,5355	21,89563	50,13583	50,13496	231,4772	231,4873	20891	21191
125	28,84238	30,30533	50,1942	50,13517	231,5045	231,4836	19335	19769
126	40,55532	24,28058	50,31203	50,12777	231,4649	231,4637	17699	20746
127	30,36948	25,51465	50,16471	50,12022	231,5144	231,491	19170	20347
128	15,36255	38,74889	50,17105	50,12938	231,4958	231,4823	20892	18301
129	16,97915	41,37033	50,11197	50,12214	231,4885	231,4736	20774	17690
130	18,32911	37,57293	50,18676	50,15137	231,4662	231,5269	20495	18328
131	49,34435	47,19242	50,2416	50,14567	231,481	231,5119	16369	16830
132	48,3291	42,45395	50,28261	50,13982	231,4958	231,512	16466	17623
133	32,83241	45,44382	50,22767	50,11919	231,4749	231,497	18977	17028
134	29,79937	25,50976	50,14016	50,1106	231,4762	231,5182	19401	20515
135	16,502	33,68752	50,08551	50,11431	231,4822	231,4934	21169	19002
136	12,73999	32,7681	50,05986	50,13055	231,5245	231,4996	20866	19249
137	29,13149	35,39055	50,17584	50,12835	231,4562	231,511	18622	18818

138	44,93081	39,72594	50,27826	50,12217	231,507	231,507	16966	18153
139	39,29525	42,57475	50,18525	50,14906	231,4984	231,4849	17941	17584
140	33,50293	42,26532	50,12796	50,12772	231,4959	231,4599	18852	17690
141	24,51869	44,44167	50,10349	50,11443	231,4996	231,4897	20198	17289
142	38,6993	45,21584	50,1364	50,1358	231,5184	231,4985	18032	17158
143	40,20537	45,77942	50,19994	50,13218	231,4972	231,528	17902	17060
144	46,21701	36,60302	50,19121	50,1148	231,491	231,5085	16858	18613
145	30,39087	27,57978	50,13933	50,12518	231,4922	231,4835	19400	20143
146	16,93476	23,78228	50,10536	50,12501	231,4785	231,5181	21087	20833
147	20,50333	35,84554	50,12826	50,12566	231,4971	231,4836	20689	18697
148	35,55491	35,08994	50,19934	50,11259	231,5122	231,5282	18556	18848
149	38,61397	35,24947	50,18434	50,10258	231,4588	231,507	18041	18743
150	20,90805	36,46052	50,13456	50,11839	231,5219	231,4971	20528	18524
151	15,80126	37,1231	50,05098	50,13034	231,4948	231,4922	21007	18551
152	27,76025	30,09158	50,10167	50,13979	231,5011	231,4786	19378	19692
153	24,75163	18,31702	50,08353	50,11412	231,4525	231,4886	20111	21554
154	24,96491	27,40295	50,07608	50,12804	231,5356	231,4848	20126	20064
155	15,8006	29,93082	50,06572	50,12616	231,4935	231,4787	21102	19798
156	12,44583	39,28312	49,99153	50,12136	231,4747	231,4575	21018	18220
157	15,63898	38,75849	50,09721	50,11839	231,5243	231,4885	21126	18273
158	24,22129	39,11139	50,13849	50,12512	231,4997	231,481	20312	18127
159	33,06123	40,81997	50,10837	50,12828	231,5157	231,507	18844	17863
160	24,26258	27,46613	50,08434	50,12876	231,491	231,4922	20111	20202
161	16,94647	20,81372	50,06428	50,11692	231,5318	231,5033	21052	21273
162	27,32824	31,97309	50,09056	50,11482	231,4959	231,4598	19760	19399

163	19,41021	43,98779	50,1182	50,12444	231,5132	231,4797	20703	17400
164	9,851718	29,50841	50,03474	50,12473	231,5035	231,5022	21227	19844
165	9,395903	36,18913	50,04126	50,11959	231,5071	231,4586	21194	18734
166	19,93116	30,52568	50,10042	50,1237	231,4958	231,4834	20179	19602
167	20,79092	38,90968	50,05828	50,13136	231,4983	231,4908	20690	18233
168	31,87412	22,8838	50,0981	50,11939	231,4823	231,4749	19104	20841
169	31,74357	49,47235	50,08893	50,12943	231,4835	231,5096	18988	16472
170	21,99162	37,33703	50,06167	50,15145	231,4811	231,4847	20375	18425
171	10,73206	46,62642	50,08574	50,16164	231,4824	231,5045	21225	16796
172	29,1956	47,99149	50,10799	50,10512	231,5059	231,4959	19466	16549
173	23,31736	44,4912	50,07771	50,10297	231,4574	231,5145	20520	17189
174	24,08533	35,3239	50,08104	50,08828	231,4886	231,481	20082	18676
175	6,911416	41,16528	50,04857	50,10662	231,4897	231,4722	21165	17801
176	23,93079	27,36195	50,06864	50,12861	231,4747	231,4537	20352	20117
177	25,29583	37,67699	50,06743	50,12904	231,4922	231,4699	20078	18380
178	14,5656	35,61647	50,04843	50,13098	231,4797	231,4897	21159	18624
179	19,84683	41,32438	50,01376	50,14275	231,5146	231,5108	20873	17798
180	16,97516	40,3126	50,04004	50,13787	231,491	231,4809	20847	17791

**Perbandingan Data Hasil Dari CF dan Perubahan AT Command AT+CBST
(Tegangan Phase 1)**

Site : Jakarta
Date : 11-01-2008
Start Time I : 09:00
Finish Time I : 09:30
Total Time : 30 Menit
Record Interval : 1 Menit

Jam	Dari CF	Dari Streaming
9:00	220,5837	220,5837
9:01	220,6432	220,6432
9:02	219,1924	219,1924
9:03	218,9321	218,9321
9:04	218,3572	218,3572
9:05	218,5276	218,5276
9:06	218,9224	218,9224
9:07	218,3731	218,3731
9:08	219,0716	219,0716
9:09	218,7794	218,7794
9:10	218,5933	218,5933
9:11	218,9384	218,9384
9:12	218,3621	218,3621
9:13	219,2322	219,2322
9:14	219,1283	219,1283
9:15	219,0675	219,0675
9:16	219,0182	219,0182
9:17	218,4869	218,4869
9:18	218,8083	218,8083
9:19	219,3837	219,3837
9:20	219,4749	219,4749
9:21	219,8847	219,8847
9:22	219,6348	219,6348
9:23	214,9839	214,9839
9:24	214,1078	214,1078
9:25	213,6562	213,6562
9:26	214,0495	214,0495
9:27	213,6292	213,6292
9:28	213,5256	213,5256
9:29	212,895	212,895
9:30	219,1283	219,1283

**Perbandingan Data Hasil Dari CF dan Perubahan AT Command AT+WOPEN
(Tegangan Phase 1)**

Site : Jakarta
Date : 10-01-2008
Start Time I : 09:00
Finish Time I : 09:30
Total Time : 30 Menit
Record Interval : 1 Menit

Jam	Dari CF	Dari Streaming
9:00	208,4224	208,4224
9:01	208,3469	208,3469
9:02	208,4548	208,4548
9:03	208,0581	208,0581
9:04	207,8936	207,8936
9:05	208,063	208,063
9:06	207,8383	207,8383
9:07	206,5703	206,5703
9:08	208,0523	208,0523
9:09	207,3705	207,3705
9:10	206,182	206,182
9:11	206,9617	206,9617
9:12	206,99	206,99
9:13	206,2895	206,2895
9:14	207,3623	207,3623
9:15	208,6863	208,6863
9:16	208,1102	208,1102
9:17	207,7873	207,7873
9:18	207,6489	207,6489
9:19	207,4769	207,4769
9:20	206,3187	206,3187
9:21	206,7356	206,7356
9:22	206,3065	206,3065
9:23	206,0903	206,0903
9:24	206,9568	206,9568
9:25	205,777	205,777
9:26	205,7118	205,7118
9:27	204,9431	204,9431
9:28	205,1459	205,1459
9:29	205,6968	205,6968
9:30	206,7356	206,7356

**Perbandingan Data Hasil Dari CF dan Perubahan AT Command ATN
(Tegangan Phase 1)**

Site : Jakarta
Date : 11-01-2008
Start Time I : 10:00
Finish Time I : 10:30
Total Time : 30 Menit
Record Interval : 1 Menit

Jam	Dari CF	Dari Streaming
10:00	212,0472	212,0472
10:01	211,2637	211,2637
10:02	210,559	210,559
10:03	211,0113	211,0113
10:04	211,0648	211,0648
10:05	210,1968	210,1968
10:06	209,9167	209,9167
10:07	210,4805	210,4805
10:08	211,9433	211,9433
10:09	211,9063	211,9063
10:10	210,7029	210,7029
10:11	209,8734	209,8734
10:12	209,6781	209,6781
10:13	209,8253	209,8253
10:14	209,9644	209,9644
10:15	210,6431	210,6431
10:16	211,3589	211,3589
10:17	210,7185	210,7185
10:18	210,4981	210,4981
10:19	210,861	210,861
10:20	210,8822	210,8822
10:21	211,3799	211,3799
10:22	211,1302	211,1302
10:23	210,2806	210,2806
10:24	210,246	210,246
10:25	209,5766	209,5766
10:26	209,2597	209,2597
10:27	209,6925	209,6925
10:28	209,291	209,291
10:29	208,3248	208,3248
10:30	209,8253	209,8253

**Perbandingan Data Hasil Dari CF dan Pengubahan AT Command AT+WIND
(Tegangan Phase 1)**

Site : Jakarta
Date : 10-01-2008
Start Time I : 10:00
Finish Time I : 10:30
Total Time : 30 Menit
Record Interval : 1 Menit

Jam	Dari CF	Dari Streaming
10:00	206,0136	206,0136
10:01	205,3396	205,3396
10:02	205,6324	205,6324
10:03	205,4252	205,4252
10:04	205,6602	205,6602
10:05	206,6616	206,6616
10:06	207,074	207,074
10:07	207,2298	207,2298
10:08	207,0195	207,0195
10:09	207,4942	207,4942
10:10	206,4267	206,4267
10:11	206,2321	206,2321
10:12	205,664	205,664
10:13	206,3002	206,3002
10:14	206,7742	206,7742
10:15	206,6006	206,6006
10:16	207,2233	207,2233
10:17	206,4486	206,4486
10:18	205,366	205,366
10:19	206,0073	206,0073
10:20	206,6353	206,6353
10:21	206,753	206,753
10:22	205,9308	205,9308
10:23	207,0311	207,0311
10:24	206,4994	206,4994
10:25	206,6574	206,6574
10:26	207,8606	207,8606
10:27	207,7204	207,7204
10:28	208,9695	208,9695
10:29	208,6909	208,6909
10:30	207,2233	207,2233

**Perbandingan Data Hasil Dari CF dan Perubahan AT Command AT%
(Tegangan Phase 1)**

Site : Jakarta
Date : 11-01-2008
Start Time I : 11:00
Finish Time I : 11:30
Total Time : 30 Menit
Record Interval : 1 Menit

Jam	Dari CF	Dari Streaming
11:00	208,5325	208,5325
11:01	209,1651	209,1651
11:02	209,6181	209,6181
11:03	209,09	209,09
11:04	210,1998	210,1998
11:05	208,8013	208,8013
11:06	207,9182	207,9182
11:07	207,7256	207,7256
11:08	208,0608	208,0608
11:09	207,7921	207,7921
11:10	207,2775	207,2775
11:11	207,1504	207,1504
11:12	207,331	207,331
11:13	207,313	207,313
11:14	207,4709	207,4709
11:15	206,8088	206,8088
11:16	207,6128	207,6128
11:17	207,0838	207,0838
11:18	206,759	206,759
11:19	207,0883	207,0883
11:20	206,8135	206,8135
11:21	206,3584	206,3584
11:22	205,9233	205,9233
11:23	205,5077	205,5077
11:24	205,3096	205,3096
11:25	205,3956	205,3956
11:26	205,9407	205,9407
11:27	207,195	207,195
11:28	207,294	207,294
11:29	207,935	207,935
11:30	207,313	207,313

**Perbandingan Data Hasil Dari CF dan Perubahan AT Command AT+CRC
(Tegangan Phase 1)**

Site : Jakarta
Date : 10-01-2008
Start Time I : 11:00
Finish Time I : 11:30
Total Time : 30 Menit
Record Interval : 1 Menit

Jam	Dari CF	Dari Streaming
11:00	208,2846	208,2846
11:01	207,4605	207,4605
11:02	206,5795	206,5795
11:03	205,4714	205,4714
11:04	205,7713	205,7713
11:05	205,5026	205,5026
11:06	205,836	205,836
11:07	205,8737	205,8737
11:08	205,4311	205,4311
11:09	205,3277	205,3277
11:10	206,314	206,314
11:11	206,0855	206,0855
11:12	205,8728	205,8728
11:13	206,1779	206,1779
11:14	206,2421	206,2421
11:15	205,5612	205,5612
11:16	205,4781	205,4781
11:17	204,9366	204,9366
11:18	204,2645	204,2645
11:19	205,1494	205,1494
11:20	205,9577	205,9577
11:21	206,4844	206,4844
11:22	206,9331	206,9331
11:23	205,7675	205,7675
11:24	206,2459	206,2459
11:25	206,6759	206,6759
11:26	205,7402	205,7402
11:27	206,8173	206,8173
11:28	207,2741	207,2741
11:29	207,1195	207,1195
11:30	206,2421	206,2421

**Perbandingan Data Hasil Dari CF dan Perubahan AT Command AT+CMEE
(Tegangan Phase 1)**

Site : Jakarta
Date : 10-01-2008
Start Time I : 12:00
Finish Time I : 12:30
Total Time : 30 Menit
Record Interval : 1 Menit

Jam	Dari CF	Dari Streaming
12:00	208,0689	208,0689
12:01	207,9136	207,9136
12:02	206,9332	206,9332
12:03	207,1321	207,1321
12:04	206,9716	206,9716
12:05	208,0885	208,0885
12:06	206,8517	206,8517
12:07	206,4329	206,4329
12:08	205,8748	205,8748
12:09	206,5909	206,5909
12:10	206,9559	206,9559
12:11	206,5771	206,5771
12:12	207,1041	207,1041
12:13	206,3723	206,3723
12:14	206,6389	206,6389
12:15	207,0678	207,0678
12:16	206,3376	206,3376
12:17	205,8382	205,8382
12:18	205,838	205,838
12:19	205,6589	205,6589
12:20	205,2516	205,2516
12:21	205,3256	205,3256
12:22	205,4668	205,4668
12:23	204,7353	204,7353
12:24	205,1027	205,1027
12:25	203,6147	203,6147
12:26	202,9989	202,9989
12:27	203,2808	203,2808
12:28	203,5145	203,5145
12:29	203,1831	203,1831
12:30	206,9559	206,9559

**Perbandingan Data Hasil Dari CF dan Perubahan AT Command AT+IFC
(Tegangan Phase 1)**

Site : Jakarta
Date : 11-01-2008
Start Time I : 12:00
Finish Time I : 12:30
Total Time : 30 Menit
Record Interval : 1 Menit

Jam	Dari CF	Dari Streaming
12:00	205,8493	205,8493
12:01	205,1368	205,1368
12:02	205,9803	205,9803
12:03	206,6133	206,6133
12:04	206,3636	206,3636
12:05	206,6875	206,6875
12:06	206,8653	206,8653
12:07	206,7736	206,7736
12:08	205,8135	205,8135
12:09	204,7208	204,7208
12:10	204,9618	204,9618
12:11	204,2496	204,2496
12:12	204,5973	204,5973
12:13	204,6959	204,6959
12:14	203,706	203,706
12:15	205,2883	205,2883
12:16	205,6673	205,6673
12:17	207,1392	207,1392
12:18	206,4516	206,4516
12:19	204,8742	204,8742
12:20	206,0528	206,0528
12:21	206,0925	206,0925
12:22	207,5318	207,5318
12:23	207,3286	207,3286
12:24	205,5763	205,5763
12:25	207,3957	207,3957
12:26	206,5362	206,5362
12:27	207,7727	207,7727
12:28	210,7049	210,7049
12:29	209,8819	209,8819
12:30	203,706	203,706

**Perbandingan Data Hasil Dari CF dan Perubahan AT Command AT+IPR
(Tegangan Phase 1)**

Site : Jakarta
Date : 10-01-2008
Start Time I : 13:00
Finish Time I : 13:30
Total Time : 30 Menit
Record Interval : 1 Menit

Jam	Dari CF	Dari Streaming
13:00	205,1424	205,1424
13:01	205,5493	205,5493
13:02	204,6022	204,6022
13:03	204,8111	204,8111
13:04	205,5972	205,5972
13:05	205,419	205,419
13:06	205,9451	205,9451
13:07	205,5078	205,5078
13:08	205,5436	205,5436
13:09	206,1877	206,1877
13:10	207,6574	207,6574
13:11	206,1976	206,1976
13:12	206,3486	206,3486
13:13	206,8183	206,8183
13:14	206,0283	206,0283
13:15	206,7359	206,7359
13:16	206,341	206,341
13:17	205,173	205,173
13:18	204,251	204,251
13:19	204,2673	204,2673
13:20	203,6346	203,6346
13:21	203,486	203,486
13:22	204,1697	204,1697
13:23	205,2316	205,2316
13:24	204,8642	204,8642
13:25	204,4857	204,4857
13:26	204,6391	204,6391
13:27	204,9558	204,9558
13:28	206,5862	206,5862
13:29	206,4476	206,4476
13:30	205,5436	205,5436