

LAMPIRAN

A. Tabel Akuisisi

Lintasan 1

Form Pengukuran <i>Flate base</i> Konfigurasi Wenner											
Lokasi :		iter							Waktu :	8	
Tanggal :		29 juni 2020							Hari :	senin	
Lintasan :		1									
Panjang Lintasan :		20 m									
Operator :											
No	C1	P1	P2	C2	a	K	V1 (mv)	V2 (mv)	Δ V (mv)	I (ma)	Rho app
1	0	0.5	1	1.5	0.5	3.14	0.3	4230	4229.7	9	1475.695333
2	0.5	1	1.5	2	0.5	3.14	0.4	3700	3699.6	10	1161.6744
3	1	1.5	2	2.5	0.5	3.14	0.3	2605	2604.7	10	817.8758
4	1.5	2	2.5	3	0.5	3.14	0.9	6470	6469.1	14	1450.926714
5	2	2.5	3	3.5	0.5	3.14	0.2	4920	4919.8	14	1103.440857
6	2.5	3	3.5	4	0.5	3.14	0.7	3047	3046.3	14	683.2415714
7	3	3.5	4	4.5	0.5	3.14	0.3	7480	7479.7	14	1677.589857
8	3.5	4	4.5	5	0.5	3.14	0.4	3437	3436.6	10	1079.0924
9	4	4.5	5	5.5	0.5	3.14	0.6	6670	6669.4	25	837.67664
10	4.5	5	5.5	6	0.5	3.14	0.4	4210	4209.6	18	734.3413333
11	5	5.5	6	6.5	0.5	3.14	0.2	4480	4479.8	11	1278.779273
12	5.5	6	6.5	7	0.5	3.14	0.5	7020	7019.5	11	2003.748182
13	6	6.5	7	7.5	0.5	3.14	0	4260	4260	10	1337.64
14	6.5	7	7.5	8	0.5	3.14	0.5	7130	7129.5	9	2487.403333
15	7	7.5	8	8.5	0.5	3.14	-0.5	6670	6670.5	9	2327.263333
16	7.5	8	8.5	9	0.5	3.14	-0.3	5070	5070.3	9	1768.971333
17	8	8.5	9	9.5	0.5	3.14	0	5980	5980	9	2086.355556
18	8.5	9	9.5	10	0.5	3.14	0.6	4060	4059.4	11	1158.774182
19	9	9.5	10	10.5	0.5	3.14	0	11820	11820	15	2474.32
20	9.5	10	10.5	11	0.5	3.14	0.2	4160	4159.8	13	1004.751692
21	10	10.5	11	11.5	0.5	3.14	0.4	6800	6799.6	18	1186.152444
22	10.5	11	11.5	12	0.5	3.14	0.1	6080	6079.9	13	1468.529692
23	11	11.5	12	12.5	0.5	3.14	0.9	4840	4839.1	12	1266.231167
24	11.5	12	12.5	13	0.5	3.14	0.7	7600	7599.3	12	1988.4835
25	12	12.5	13	13.5	0.5	3.14	0.5	7700	7699.5	12	2014.7025
26	12.5	13	13.5	14	0.5	3.14	0.2	3575	3574.8	11	1020.442909
27	13	13.5	14	14.5	0.5	3.14	0	2522	2522	9	879.8977778
28	13.5	14	14.5	15	0.5	3.14	0.9	8840	8839.1	14	1982.483857
29	14	14.5	15	15.5	0.5	3.14	0.2	7120	7119.8	11	2032.379273
30	14.5	15	15.5	16	0.5	3.14	0	6800	6800	13	1642.461538
31	15	15.5	16	16.5	0.5	3.14	-0.1	8060	8060.1	15	1687.2476
32	15.5	16	16.5	17	0.5	3.14	0	6040	6040	11	1724.145455
33	16	16.5	17	17.5	0.5	3.14	0.1	10240	10239.9	13	2473.329692
34	16.5	17	17.5	18	0.5	3.14	-0.4	3364	3364.4	11	960.3832727
35	17	17.5	18	18.5	0.5	3.14	0.4	8080	8079.6	16	1585.6215
36	17.5	18	18.5	19	0.5	3.14	0.8	11440	11439.2	13	2763.006769
37	18	18.5	19	19.5	0.5	3.14	0	4510	4510	15	944.0933333
38	18.5	19	19.5	20	0.5	3.14	0.2	3618	3617.8	7	1622.841714
39	0	1	2	3	1	6.28	-0.4	5580	5580.4	7	5006.416
40	1	2	3	4	1	6.28	0.3	8880	8879.7	12	4647.043
41	2	3	4	5	1	6.28	0.7	4960	4959.3	10	3114.4404
42	3	4	5	6	1	6.28	0	6150	6150	11	3511.090909
43	4	5	6	7	1	6.28	0.2	5530	5529.8	12	2893.928667
44	5	6	7	8	1	6.28	-0.2	4440	4440.2	13	2144.958154
45	6	7	8	9	1	6.28	-0.2	5730	5730.2	13	2768.127385
46	7	8	9	10	1	6.28	0	3990	3990	17	1473.952941
47	8	9	10	11	1	6.28	-0.2	6070	6070.2	15	2541.3904
48	9	10	11	12	1	6.28	0.2	3433	3432.8	12	1796.498667
49	10	11	12	13	1	6.28	0.7	8690	8689.3	13	4197.600308
50	11	12	13	14	1	6.28	0.1	4080	4079.9	13	1970.905538
51	12	13	14	15	1	6.28	0	3425	3425	15	1433.933333
52	13	14	15	16	1	6.28	0.2	8540	8539.8	16	3351.8715
53	14	15	16	17	1	6.28	0.1	3209	3208.9	16	1259.49325
54	15	16	17	18	1	6.28	0	4190	4190	19	1384.905263
55	16	17	18	19	1	6.28	0.2	905	904.8	6	947.024
56	17	18	19	20	1	6.28	0.3	1461	1460.7	6	1528.866
57	0	1.5	3	4.5	1.5	9.42	0	6400	6400	8	7536
58	1.5	3	4.5	6	1.5	9.42	-0.6	3710	3710.6	11	3177.622909
59	3	4.5	6	7.5	1.5	9.42	-0.2	5720	5720.2	13	4144.944923
60	4.5	6	7.5	9	1.5	9.42	-0.7	3052	3052.7	14	2054.031
61	6	7.5	9	10.5	1.5	9.42	0.1	5810	5809.9	12	4560.7715
62	7.5	9	10.5	12	1.5	9.42	-0.5	2564	2564.5	11	2196.144545
63	9	10.5	12	13.5	1.5	9.42	-0.1	5000	5000.1	9	5233.438
64	10.5	12	13.5	15	1.5	9.42	0	9330	9330	8	10986.075
65	12	13.5	15	16.5	1.5	9.42	0.4	5190	5189.6	9	5431.781333
66	13.5	15	16.5	18	1.5	9.42	-0.2	6330	6330.2	10	5963.0484
67	15	16.5	18	19.5	1.5	9.42	0.4	4550	4549.6	8	5357.154
68	0	2	4	6	2	12.56	0.1	6610	6609.9	9	9224.482667
69	2	4	6	8	2	12.56	0.5	4300	4299.5	11	4909.247273
70	4	6	8	10	2	12.56	0.2	4940	4939.8	11	5640.353455
71	6	8	10	12	2	12.56	0	3213	3213	9	4483.92
72	8	10	12	14	2	12.56	0.1	4990	4989.9	11	5697.558545
73	10	12	14	16	2	12.56	0	6470	6470	10	8126.32
74	12	14	16	18	2	12.56	0.2	2928	2927.8	12	3064.430667
75	14	16	18	20	2	12.56	0	6900	6900	10	8666.4
76	0	2.5	5	7.5	2.5	15.7	0.4	4380	4379.6	9	7639.968889
77	2.5	5	7.5	10	2.5	15.7	0.3	2675	2674.7	13	3230.214615
78	5	7.5	10	12.5	2.5	15.7	0	1765	1765	12	2309.208333
79	7.5	10	12.5	15	2.5	15.7	0.1	3790	3789.9	13	4577.033077
80	10	12.5	15	17.5	2.5	15.7	0.1	3680	3679.9	14	4126.745
81	12.5	15	17.5	20	2.5	15.7	0	3770	3770	11	5380.818182

Lintasan 2

Form Pengukuran <i>Flate base</i> Konfigurasi Wenner											
Lokasi :		itera						Waktu :	8		
Tanggal :		30 juli 2020						Hari :	selasa		
Lintasan :		2									
Panjang Lintasan :		20 m									
Operator :											
No	C1	P1	P2	C2	a	K	V1 (mv)	V2 (mv)	ΔV (mv)	I (ma)	Rho app
1	0	0.5	1	1.5	0.5	3.14	0	7330	7330	12	1918.016667
2	0.5	1	1.5	2	0.5	3.14	0	7380	7380	15	1544.88
3	1	1.5	2	2.5	0.5	3.14	0.1	6230	6229.9	10	1956.1886
4	1.5	2	2.5	3	0.5	3.14	0.8	7330	7329.2	12	1917.807333
5	2	2.5	3	3.5	0.5	3.14	0.3	11000	10999.7	10	3453.9058
6	2.5	3	3.5	4	0.5	3.14	0.4	9820	9819.6	12	2569.462
7	3	3.5	4	4.5	0.5	3.14	0.3	10610	10609.7	11	3028.587091
8	3.5	4	4.5	5	0.5	3.14	0.2	11230	11229.8	12	2938.464333
9	4	4.5	5	5.5	0.5	3.14	0.6	11580	11579.4	12	3029.943
10	4.5	5	5.5	6	0.5	3.14	0	7980	7980	10	2505.72
11	5	5.5	6	6.5	0.5	3.14	-0.1	7640	7640.1	12	1999.1595
12	5.5	6	6.5	7	0.5	3.14	0	5640	5640	14	1264.971429
13	6	6.5	7	7.5	0.5	3.14	0.3	3940	3939.7	14	883.6184286
14	6.5	7	7.5	8	0.5	3.14	0.6	2890	2889.4	12	756.0596667
15	7	7.5	8	8.5	0.5	3.14	0.5	3235	3234.5	13	781.2561538
16	7.5	8	8.5	9	0.5	3.14	0	2850	2850	16	559.3125
17	8	8.5	9	9.5	0.5	3.14	0.1	7000	6999.9	10	2197.9686
18	8.5	9	9.5	10	0.5	3.14	0.1	5110	5109.9	14	1146.077571
19	9	9.5	10	10.5	0.5	3.14	0.1	5870	5869.9	20	921.5743
20	9.5	10	10.5	11	0.5	3.14	0.6	7470	7469.4	16	1465.86975
21	10	10.5	11	11.5	0.5	3.14	0.1	761	760.9	24	99.55108333
22	10.5	11	11.5	12	0.5	3.14	0.7	1306	1305.3	53	77.33286792
23	11	11.5	12	12.5	0.5	3.14	0	2487	2487	88	88.74068182
24	11.5	12	12.5	13	0.5	3.14	0.1	2277	2276.9	85	84.11136471
25	12	12.5	13	13.5	0.5	3.14	0.2	2389	2388.8	90	83.34257778
26	12.5	13	13.5	14	0.5	3.14	0.7	3500	3499.3	96	114.4562708
27	13	13.5	14	14.5	0.5	3.14	0.1	2344	2343.9	81	90.8622963
28	13.5	14	14.5	15	0.5	3.14	0.6	3397	3396.4	96	111.0905833
29	14	14.5	15	15.5	0.5	3.14	0	2850	2850	77	116.2207792
30	14.5	15	15.5	16	0.5	3.14	0.5	1527	1526.5	33	145.2487879
31	15	15.5	16	16.5	0.5	3.14	0	3355	3355	13	810.3615385
32	15.5	16	16.5	17	0.5	3.14	0.7	8530	8529.3	32	836.9375625
33	16	16.5	17	17.5	0.5	3.14	0	5720	5720	27	665.2148148
34	16.5	17	17.5	18	0.5	3.14	0.5	3017	3016.5	12	789.3175
35	17	17.5	18	18.5	0.5	3.14	0.1	4480	4479.9	18	781.4936667
36	17.5	18	18.5	19	0.5	3.14	0.1	7830	7829.9	9	2731.765111
37	18	18.5	19	19.5	0.5	3.14	0	1036	1036	9	361.4488889
38	18.5	19	19.5	20	0.5	3.14	10000	16200	6200	9	2163.111111
39	0	1	2	3	1	6.28	-0.7	493	493.7	14	221.4597143
40	1	2	3	4	1	6.28	0.3	1959	1958.7	11	1118.239636
41	2	3	4	5	1	6.28	-0.3	8600	8600.3	16	3375.61775
42	3	4	5	6	1	6.28	0.1	5940	5939.9	15	2486.838133
43	4	5	6	7	1	6.28	0.6	7110	7109.4	12	3720.586
44	5	6	7	8	1	6.28	0.1	3369	3368.9	11	1923.35636
45	6	7	8	9	1	6.28	0	731	731	13	353.1292308
46	7	8	9	10	1	6.28	0.7	527	526.3	16	206.57275
47	8	9	10	11	1	6.28	0.1	528	527.9	12	276.2676667
48	9	10	11	12	1	6.28	0.1	1268	1267.9	27	294.9041481
49	10	11	12	13	1	6.28	-0.2	704	704.2	51	86.7132549
50	11	12	13	14	1	6.28	0.3	1414	1413.7	111	79.98230631
51	12	13	14	15	1	6.28	0.1	1397	1396.9	101	86.85675248
52	13	14	15	16	1	6.28	0	674	674	46	92.01565217
53	14	15	16	17	1	6.28	0.4	1231	1230.6	52	148.6186154
54	15	16	17	18	1	6.28	0.5	1474	1473.5	50	185.0716
55	16	17	18	19	1	6.28	0.5	3059	3058.5	14	1371.955714
56	17	18	19	20	1	6.28	-0.8	11260	11260.8	8	8839.728
57	0	2	4	6	2	12.56	-0.7	58.9	59.6	20	37.4288
58	2	4	6	8	2	12.56	0.5	93	92.5	27	43.02962963
59	4	6	8	10	2	12.56	0.4	55.8	55.4	21	33.13447619
60	6	8	10	12	2	12.56	0.2	81	80.8	26	39.03261538
61	8	10	12	14	2	12.56	0.6	31.6	31	9	43.26222222
62	10	12	14	16	2	12.56	0	94.8	94.8	30	39.6896
63	12	14	16	18	2	12.56	0.3	38.4	38.1	12	39.878
64	14	16	18	20	2	12.56	0.4	3920	3919.6	8	6153.772
65	0	2.5	5	7.5	2.5	15.7	0.5	69.8	69.3	42	25.905
66	2.5	5	7.5	10	2.5	15.7	0.7	143.2	142.5	30	74.575
67	5	7.5	10	12.5	2.5	15.7	-0.9	55.6	56.5	26	34.11730769
68	7.5	10	12.5	15	2.5	15.7	-0.4	57.4	57.8	24	37.81083333
69	10	12.5	15	17.5	2.5	15.7	-0.2	75.9	76.1	21	56.89380952
70	12.5	15	17.5	20	2.5	15.7	0.4	6800	6799.6	8	13344.215

Lintasan 3

Form Pengukuran <i>Flate base</i> Konfigurasi Wenner												
Lokasi :		itera							Waktu :	10		
Tanggal :		maret							Hari :	selasa		
Lintasan :		5										
Panjang Lintasan :		20 meter										
Operator :		wantika										
No	C1	P1	P2	C2	a	K	V1 (mv)	V2 (mv)	Δ V (mv)	I (ma)	Rho app	
1	0	0.5	1	1.5	0.5	3.14	5	102.6	97.6	7	43.78057	
2	0.5	1	1.5	2	0.5	3.14	10.7	110.5	99.8	8	39.1715	
3	1	1.5	2	2.5	0.5	3.14	5.6	2390	2384.4	10	748.7016	
4	1.5	2	2.5	3	0.5	3.14	1.5	83	81.5	15	17.06067	
5	2	2.5	3	3.5	0.5	3.14	0.8	135.4	134.6	11	38.42218	
6	2.5	3	3.5	4	0.5	3.14	-0.3	137.4	137.7	10	43.2378	
7	3	3.5	4	4.5	0.5	3.14	0.3	165.5	165.2	11	47.15709	
8	3.5	4	4.5	5	0.5	3.14	0.1	135.3	135.2	9	47.16978	
9	4	4.5	5	5.5	0.5	3.14	0.2	146.8	146.6	9	51.14711	
10	4.5	5	5.5	6	0.5	3.14	0.4	198.9	198.5	12	51.94083	
11	5	5.5	6	6.5	0.5	3.14	0.3	196.2	195.9	14	43.93757	
12	5.5	6	6.5	7	0.5	3.14	0.4	272.3	271.9	17	50.22153	
13	6	6.5	7	7.5	0.5	3.14	0.3	163.1	162.8	13	39.32246	
14	6.5	7	7.5	8	0.5	3.14	0.1	186.6	186.5	10	58.561	
15	7	7.5	8	8.5	0.5	3.14	0	82.7	82.7	7	37.09686	
16	7.5	8	8.5	9	0.5	3.14	0	148.3	148.3	9	51.74022	
17	8	8.5	9	9.5	0.5	3.14	0.2	62.1	61.9	5	38.8732	
18	8.5	9	9.5	10	0.5	3.14	0	166.7	166.7	6	87.23967	
19	9	9.5	10	10.5	0.5	3.14	0	111.6	111.6	9	38.936	
20	9.5	10	10.5	11	0.5	3.14	0	115.5	115.5	9	40.29667	
21	10	10.5	11	11.5	0.5	3.14	0	729	729	10	228.906	
22	10.5	11	11.5	12	0.5	3.14	0	114.9	114.9	10	36.0786	
23	11	11.5	12	12.5	0.5	3.14	6	1223	1217	27	141.5326	
24	11.5	12	12.5	13	0.5	3.14	63.3	405	341.7	27	39.73844	
25	12	12.5	13	13.5	0.5	3.14	0	150.1	150.1	14	33.66529	
26	12.5	13	13.5	14	0.5	3.14	0.1	180.5	180.4	18	31.46978	
27	13	13.5	14	14.5	0.5	3.14	22.1	1500	1477.9	19	244.2424	
28	13.5	14	14.5	15	0.5	3.14	2.3	500	497.7	35	44.6508	
29	14	14.5	15	15.5	0.5	3.14	1.5	248.1	246.6	20	38.7162	
30	14.5	15	15.5	16	0.5	3.14	30	320.6	290.6	24	38.02017	
31	15	15.5	16	16.5	0.5	3.14	61	341.3	280.3	24	36.67258	
32	15.5	16	16.5	17	0.5	3.14	40	302.6	262.6	20	41.2282	
33	16	16.5	17	17.5	0.5	3.14	10.7	183	172.3	17	31.82482	
34	16.5	17	17.5	18	0.5	3.14	11.3	273.5	262.2	20	41.1654	
35	17	17.5	18	18.5	0.5	3.14	11.7	374.5	362.8	26	43.81508	
36	17.5	18	18.5	19	0.5	3.14	46	217	171	16	33.55875	
37	18	18.5	19	19.5	0.5	3.14	0.7	268.4	267.7	27	31.13252	
38	18.5	19	19.5	20	0.5	3.14	0	744	744	33	70.79273	
39	0	1	2	3	1	6.28	-0.3	440	440.3	50	55.30168	
40	1	2	3	4	1	6.28	-0.2	377.2	377.4	49	48.36882	
41	2	3	4	5	1	6.28	0.2	471	470.8	55	53.7568	
42	3	4	5	6	1	6.28	0	610	610	67	57.17612	
43	4	5	6	7	1	6.28	-0.1	478	478.1	56	53.6155	
44	5	6	7	8	1	6.28	0	577	577	64	56.61813	
45	6	7	8	9	1	6.28	-0.9	589	589.9	66	56.12988	
46	7	8	9	10	1	6.28	-0.7	516	516.7	57	56.92765	
47	8	9	10	11	1	6.28	-0.2	618	618.2	69	56.26516	
48	9	10	11	12	1	6.28	0.5	542	541.5	60	56.677	
49	10	11	12	13	1	6.28	-0.2	436	436.2	51	53.71247	
50	11	12	13	14	1	6.28	0	533	533	63	53.13079	
51	12	13	14	15	1	6.28	0	510	510	63	50.8381	
52	13	14	15	16	1	6.28	0.3	450	449.7	57	49.54589	
53	14	15	16	17	1	6.28	-0.3	451	451.3	59	48.03668	
54	15	16	17	18	1	6.28	0.4	451	450.6	61	46.38964	
55	16	17	18	19	1	6.28	0.2	477	476.8	68	44.03388	
56	17	18	19	20	1	6.28	0	443	443	64	43.46938	
57	0	1.5	3	4.5	1.5	9.42	0	266.3	266.3	46	54.53361	
58	1.5	3	4.5	6	1.5	9.42	0	419	419	75	52.6264	
59	3	4.5	6	7.5	1.5	9.42	0	416	416	71	55.19324	
60	4.5	6	7.5	9	1.5	9.42	0.3	418	417.7	67	58.72737	
61	6	7.5	9	10.5	1.5	9.42	0	450	450	75	56.52	
62	7.5	9	10.5	12	1.5	9.42	-0.3	400	400.3	66	57.13373	
63	9	10.5	12	13.5	1.5	9.42	0	448	448	75	56.2688	
64	10.5	12	13.5	15	1.5	9.42	0	389.2	389.2	70	52.3752	
65	12	13.5	15	16.5	1.5	9.42	0.1	423	422.9	76	52.41734	
66	13.5	15	16.5	18	1.5	9.42	0	311.6	311.6	61	48.11921	
67	15	16.5	18	19.5	1.5	9.42	-0.3	444	444.3	85	49.23889	
68	0	2	4	6	2	12.56	0	196.5	196.5	47	52.51149	
69	2	4	6	8	2	12.56	-0.4	203.3	203.7	46	55.61896	
70	4	6	8	10	2	12.56	0.3	170.8	170.5	38	56.35474	
71	6	8	10	12	2	12.56	0	295.4	295.4	65	57.08037	
72	8	10	12	14	2	12.56	-0.7	261.9	262.6	61	54.06977	
73	10	12	14	16	2	12.56	-0.6	156.3	156.9	37	53.26119	
74	12	14	16	18	2	12.56	-0.2	182.5	182.7	44	52.15255	
75	14	16	18	20	2	12.56	0	232.5	232.5	59	49.49492	
76	0	2.5	5	7.5	2.5	15.7	0	114.7	114.7	34	52.96441	
77	2.5	5	7.5	10	2.5	15.7	0	115.3	115.3	33	54.85485	
78	5	7.5	10	12.5	2.5	15.7	0	153.2	153.2	43	55.93581	
79	7.5	10	12.5	15	2.5	15.7	0	108.3	108.3	33	51.52455	
80	10	12.5	15	17.5	2.5	15.7	0	144.5	144.5	42	54.01548	
81	12.5	15	17.5	20	2.5	15.7	0	165.4	165.4	51	50.91725	
82	0	3	6	9	3	18.84	0.1	119.2	119.1	41	54.7279	
83	3	6	9	12	3	18.84	0	159.4	159.4	53	56.66219	
84	6	9	12	15	3	18.84	0	138.3	138.3	49	53.17494	
85	9	12	15	18	3	18.84	-0.1	136.6	136.7	47	54.79634	
86	0	3.5	7	10.5	3.5	21.98	-0.2	101.2	101.4	42	53.066	
87	3.5	7	10.5	14	3.5	21.98	-0.1	124.6	124.7	49	55.93686	
88	7	10.5	14	17.5	3.5	21.98	0	117.5	117.5	47	54.95	





