

LAMPIRAN 1 Sample 150 Data RSRP Sebelum Optimalisasi

Tabel L.1 Sample 150 Data RSRP Sebelum Optimalisasi

No	Latitude	Longitude	Serving Cell RSRP (dBm)	No	Latitude	Longitude	Serving Cell RSRP (dBm)	No	Latitude	Longitude	Serving Cell RSRP (dBm)
1	-7.0558583	110.4749917	-74.5	51	-7.0569517	110.4775133	-85.0	101	-7.0180282	110.4903781	-71.2
2	-7.0558583	110.4749917	-72.9	52	-6.9838817	110.4712333	-73.3	102	-7.0181056	110.4903476	-69.1
3	-7.0558583	110.4749917	-72.1	53	-6.9839221	110.4713471	-72.4	103	-7.0181504	110.4903340	-66.9
4	-7.0558659	110.4750310	-74.2	54	-6.9839612	110.4714778	-74.7	104	-7.0181699	110.4903333	-64.6
5	-7.0558789	110.4750838	-74.6	55	-6.9839889	110.4716114	-74.8	105	-7.0181939	110.4903446	-59.2
6	-7.0558952	110.4751380	-78.0	56	-6.9840046	110.4717470	-76.1	106	-7.0182222	110.4903887	-58.1
7	-7.0559114	110.4751947	-80.0	57	-6.9840183	110.4718857	-74.1	107	-7.0182521	110.4904747	-58.7
8	-7.0559289	110.4752502	-77.4	58	-6.9840363	110.4720200	-77.2	108	-7.0182867	110.4905829	-59.9
9	-7.0559502	110.4753021	-77.6	59	-6.9840563	110.4721473	-77.0	109	-7.0183288	110.4907102	-61.8
10	-7.0559715	110.4753450	-76.1	60	-6.9840643	110.4722782	-79.6	110	-7.0183769	110.4908525	-67.7
11	-7.0559906	110.4753853	-83.1	61	-6.9840504	110.4724127	-76.8	111	-7.0184295	110.4910102	-69.4
12	-7.0560102	110.4754266	-81.8	62	-6.9840214	110.4725537	-76.2	112	-7.0184855	110.4911731	-65.6
13	-7.0560301	110.4754695	-82.3	63	-6.9839854	110.4726970	-75.3	113	-7.0185411	110.4913428	-64.9
14	-7.0560515	110.4755154	-83.0	64	-6.9839472	110.4728428	-78.3	114	-7.0185992	110.4915244	-66.9
15	-7.0560778	110.4755688	-83.0	65	-6.9839075	110.4729883	-77.8	115	-7.0186606	110.4917148	-69.4
16	-7.0561078	110.4756247	-83.4	66	-6.9838674	110.4731187	-78.0	116	-7.0187255	110.4919128	-59.5
17	-7.0561353	110.4756839	-82.3	67	-6.9838284	110.4732210	-78.6	117	-7.0187929	110.4921103	-58.6
18	-7.0561560	110.4757405	-82.1	68	-6.9837998	110.4732911	-78.1	118	-7.0188572	110.4923006	-58.1
19	-7.0561756	110.4757913	-82.5	69	-6.9837840	110.4733249	-76.0	119	-7.0189204	110.4924807	-66.1
20	-7.0561977	110.4758422	-85.0	70	-6.9837787	110.4733363	-76.9	120	-7.0189825	110.4926614	-72.3
21	-7.0562206	110.4758960	-88.6	71	-6.9837767	110.4733390	-76.2	121	-7.0190423	110.4928426	-74.2
22	-7.0562419	110.4759524	-88.5	72	-6.9837767	110.4733393	-73.4	122	-7.0191023	110.4930241	-63.9
23	-7.0562635	110.4760147	-87.0	73	-6.9837753	110.4733397	-73.4	123	-7.0191612	110.4932073	-65.5
24	-7.0562885	110.4760813	-85.7	74	-6.9837565	110.4733496	-81.2	124	-7.0192209	110.4933952	-70.8
25	-7.0563166	110.4761521	-85.3	75	-6.9837211	110.4733580	-83.1	125	-7.0192840	110.4935853	-68.6
26	-7.0563495	110.4762241	-84.2	76	-6.9836621	110.4733636	-78.0	126	-7.0193472	110.4937748	-64.1
27	-7.0563874	110.4762935	-84.2	77	-6.9835799	110.4733888	-78.6	127	-7.0194092	110.4939636	-59.5
28	-7.0564207	110.4763556	-86.0	78	-6.9834957	110.4734494	-76.6	128	-7.0194708	110.4941553	-59.3
29	-7.0564537	110.4764147	-87.1	79	-6.9834095	110.4735176	-79.8	129	-7.0195296	110.4943439	-60.7
30	-7.0564882	110.4764714	-85.8	80	-6.9833207	110.4735879	-80.9	130	-7.0195873	110.4945309	-62.0
31	-7.0565220	110.4765293	-85.1	81	-6.9832395	110.4736562	-81.0	131	-7.0196479	110.4947230	-62.2
32	-7.0565540	110.4765846	-83.8	82	-6.9831590	110.4737260	-77.3	132	-7.0197099	110.4949163	-67.0
33	-7.0565828	110.4766329	-82.4	83	-6.9830811	110.4737936	-79.0	133	-7.0197722	110.4951109	-67.7
34	-7.0566052	110.4766725	-78.1	84	-6.9830118	110.4738555	-78.5	134	-7.0198355	110.4953075	-67.4
35	-7.0566252	110.4767057	-82.1	85	-6.9829512	110.4739050	-81.0	135	-7.0199018	110.4955041	-67.8
36	-7.0566460	110.4767444	-83.3	86	-6.9829138	110.4739372	-77.4	136	-7.0199685	110.4957009	-66.4
37	-7.0566706	110.4767891	-82.8	87	-6.9828855	110.4739632	-77.5	137	-7.0200367	110.4958992	-68.9
38	-7.0566982	110.4768367	-85.1	88	-6.9828564	110.4739903	-71.9	138	-7.0201043	110.4960991	-70.2
39	-7.0567253	110.4768829	-83.0	89	-6.9828222	110.4740232	-71.6	139	-7.0201746	110.4962991	-68.5
40	-7.0567503	110.4769271	-87.2	90	-6.9827795	110.4740610	-71.5	140	-7.0202444	110.4964990	-71.8
41	-7.0567769	110.4769789	-91.2	91	-6.9827496	110.4740889	-71.6	141	-7.0203148	110.4967035	-70.4
42	-7.0567998	110.4770259	-89.4	92	-6.9827300	110.4741050	-71.7	142	-7.0203865	110.4969074	-68.3
43	-7.0568177	110.4770684	-89.6	93	-6.9827033	110.4741274	-71.1	143	-7.0204552	110.4971124	-68.2
44	-7.0568348	110.4771211	-88.3	94	-6.9826800	110.4741467	-70.7	144	-7.0205249	110.4973166	-68.7
45	-7.0568527	110.4771831	-87.7	95	-6.9826800	110.4741467	-69.7	145	-7.0205933	110.4975216	-71.0
46	-7.0568706	110.4772463	-85.8	96	-7.0176433	110.4905383	-75.9	146	-7.0206678	110.4977148	-71.8
47	-7.0568915	110.4773085	-86.8	97	-7.0176433	110.4905383	-72.7	147	-7.0585183	110.4724133	-65.1
48	-7.0569126	110.4773700	-88.5	98	-7.0176433	110.4905383	-75.4	148	-7.0585211	110.4724174	-64.3
49	-7.0569285	110.4774271	-87.5	99	-7.0177706	110.4904901	-73.8	149	-7.0585353	110.4724411	-65.8
50	-7.0569418	110.4774780	-86.1	100	-7.0179078	110.4904340	-71.6	150	-7.0585548	110.4724812	-69.8

LAMPIRAN 2 Sample 150 Data SINR Sebelum Optimalisasi

Tabel L.2 Sample 150 Data SINR Sebelum Optimalisasi

No	Latitude	Longitude	RS SINR (dB)	No	Latitude	Longitude	RS SINR (dB)	No	Latitude	Longitude	RS SINR (dB)
1	-7.0558583	110.4749917	12.6	51	-7.0569517	110.4775133	13.1	101	-7.0180282	110.4903781	20.7
2	-7.0558583	110.4749917	17.7	52	-6.9838817	110.4712333	12.9	102	-7.0181056	110.4903476	22.1
3	-7.0558583	110.4749917	18.6	53	-6.9839221	110.4713471	14.7	103	-7.0181504	110.4903340	24.1
4	-7.0558659	110.4750310	17.7	54	-6.9839612	110.4714778	14.2	104	-7.0181699	110.4903333	24.5
5	-7.0558789	110.4750838	19.2	55	-6.9839889	110.4716114	13.7	105	-7.0181939	110.4903446	25.9
6	-7.0558952	110.4751380	17.7	56	-6.9840046	110.4717470	15.2	106	-7.0182222	110.4903887	24.5
7	-7.0559114	110.4751947	17.5	57	-6.9840183	110.4718857	14.3	107	-7.0182521	110.4904747	25.1
8	-7.0559280	110.4752502	17.9	58	-6.9840363	110.4720200	12.2	108	-7.0182867	110.4905829	24.3
9	-7.0559502	110.4753021	16.8	59	-6.9840563	110.4721473	12.2	109	-7.0183288	110.4907102	22.2
10	-7.0559715	110.4753450	18.7	60	-6.9840643	110.4722782	9.3	110	-7.0183769	110.4908525	19.5
11	-7.0559906	110.4753853	12.0	61	-6.9840504	110.4724127	10.4	111	-7.0184295	110.4910102	17.2
12	-7.0560102	110.4754266	16.2	62	-6.9840214	110.4725537	11.1	112	-7.0184855	110.4911731	18.9
13	-7.0560301	110.4754695	16.2	63	-6.9839854	110.4726970	11.4	113	-7.0185411	110.4913428	17.4
14	-7.0560515	110.4755154	14.1	64	-6.9839472	110.4728428	10.6	114	-7.0185992	110.4915244	17.8
15	-7.0560778	110.4755688	15.3	65	-6.9839075	110.4729883	9.6	115	-7.0186606	110.4917148	13.6
16	-7.0561078	110.4756247	14.9	66	-6.9838674	110.4731187	10.8	116	-7.0187255	110.4919128	10.3
17	-7.0561353	110.4756839	15.8	67	-6.9838284	110.4732210	10.7	117	-7.0187929	110.4921103	14.0
18	-7.0561560	110.4757405	15.2	68	-6.9837998	110.4732911	7.5	118	-7.0188572	110.4923006	12.2
19	-7.0561756	110.4757913	16.2	69	-6.9837840	110.4733249	8.3	119	-7.0189204	110.4924807	11.1
20	-7.0561977	110.4758422	14.3	70	-6.9837787	110.4733363	9.1	120	-7.0189825	110.4926614	5.1
21	-7.0562206	110.4758960	10.7	71	-6.9837767	110.4733390	9.4	121	-7.0190423	110.4928426	6.4
22	-7.0562419	110.4759524	6.9	72	-6.9837767	110.4733393	8.5	122	-7.0191023	110.4930241	19.4
23	-7.0562635	110.4760147	8.7	73	-6.9837753	110.4733397	8.3	123	-7.0191612	110.4932073	14.4
24	-7.0562885	110.4760813	10.8	74	-6.9837565	110.4733496	3.9	124	-7.0192209	110.4933952	5.5
25	-7.0563166	110.4761521	11.9	75	-6.9837211	110.4733580	2.9	125	-7.0192840	110.4935853	9.7
26	-7.0563495	110.4762241	10.6	76	-6.9836621	110.4733636	4.3	126	-7.0193472	110.4937748	6.5
27	-7.0563874	110.4762935	12.2	77	-6.9835799	110.4733888	3.5	127	-7.0194092	110.4939636	5.5
28	-7.0564207	110.4763556	11.7	78	-6.9834957	110.4734494	5.8	128	-7.0194708	110.4941553	7.8
29	-7.0564537	110.4764147	8.9	79	-6.9834095	110.4735176	4.4	129	-7.0195296	110.4943439	8.0
30	-7.0564882	110.4764714	10.4	80	-6.9833207	110.4735879	5.0	130	-7.0195873	110.4945309	7.0
31	-7.0565220	110.4765293	10.5	81	-6.9832395	110.4736562	5.7	131	-7.0196479	110.4947230	6.4
32	-7.0565540	110.4765846	10.3	82	-6.9831590	110.4737260	7.6	132	-7.0197099	110.4949163	7.1
33	-7.0565828	110.4766329	12.5	83	-6.9830811	110.4737936	7.6	133	-7.0197722	110.4951109	7.7
34	-7.0566052	110.4766725	13.9	84	-6.9830118	110.4738555	10.0	134	-7.0198355	110.4953075	6.2
35	-7.0566252	110.4767057	9.3	85	-6.9829512	110.4739050	8.4	135	-7.0199018	110.4955041	7.0
36	-7.0566460	110.4767444	8.0	86	-6.9829138	110.4739372	11.5	136	-7.0199685	110.4957009	6.0
37	-7.0566706	110.4767891	11.1	87	-6.9828855	110.4739632	9.7	137	-7.0200367	110.4958992	4.8
38	-7.0566982	110.4768367	8.5	88	-6.9828564	110.4739903	13.5	138	-7.0201043	110.4960991	9.3
39	-7.0567253	110.4768829	11.5	89	-6.9828222	110.4740232	14.5	139	-7.0201746	110.4962991	9.6
40	-7.0567503	110.4769271	11.1	90	-6.9827795	110.4740610	14.4	140	-7.0202444	110.4964990	9.9
41	-7.0567769	110.4769789	8.1	91	-6.9827496	110.4740889	15.0	141	-7.0203148	110.4967035	9.9
42	-7.0567998	110.4770259	9.7	92	-6.9827300	110.4741050	15.5	142	-7.0203865	110.4969074	7.6
43	-7.0568177	110.4770684	8.1	93	-6.9827033	110.4741274	16.8	143	-7.0204552	110.4971124	5.2
44	-7.0568348	110.4771211	6.4	94	-6.9826800	110.4741467	15.4	144	-7.0205249	110.4973166	9.7
45	-7.0568527	110.4771831	6.0	95	-6.9826800	110.4741467	16.0	145	-7.0205933	110.4975216	13.6
46	-7.0568706	110.4772463	9.9	96	-7.0176433	110.4905383	16.6	146	-7.0206678	110.4977148	12.8
47	-7.0568915	110.4773085	12.7	97	-7.0176433	110.4905383	22.8	147	-7.0585183	110.4724133	19.5
48	-7.0569126	110.4773700	8.2	98	-7.0176433	110.4905383	20.6	148	-7.0585211	110.4724174	21.3
49	-7.0569285	110.4774271	11.0	99	-7.0177706	110.4904901	20.5	149	-7.0585353	110.4724411	20.9
50	-7.0569418	110.4774780	13.3	100	-7.0179078	110.4904340	22.1	150	-7.0585548	110.4724812	18.6

LAMPIRAN 3 Sample 150 Data *Throughput* Sebelum Optimalisasi

Tabel L.3 Sample 150 Data *Throughput* Sebelum Optimalisasi

No	Latitude	Longitude	Total PDCP DL Throughput	No	Latitude	Longitude	Total PDCP DL Throughput	No	Latitude	Longitude	Total PDCP DL Throughput
1	-7.0558583	110.4749917	17652.7	51	-6.9839612	110.4714778	8704.950195	101	-7.0182222	110.4903887	27559.41992
2	-7.0558659	110.4750310	15691.5	52	-6.9839889	110.4716114	8458.049805	102	-7.0182521	110.4904747	23861.53906
3	-7.0558789	110.4750838	16867.3	53	-6.9840046	110.471747	8373.530273	103	-7.0182867	110.4905829	19866.2207
4	-7.0558952	110.4751380	15672.7	54	-6.9840183	110.4718857	9424.620117	104	-7.0183288	110.4907102	18559.66992
5	-7.0559114	110.4751947	15058.6	55	-6.9840363	110.47202	7481.419922	105	-7.0183769	110.4908525	14570.83008
6	-7.0559289	110.4752502	16202.7	56	-6.9840563	110.4721473	7390.120117	106	-7.0184295	110.4910102	12147.59961
7	-7.0559502	110.4753021	14796.4	57	-6.9840643	110.4722782	4919.649902	107	-7.0184855	110.4911731	14782.32031
8	-7.0559715	110.4753450	17527.2	58	-6.9840504	110.4724127	6132.25	108	-7.0185411	110.4913428	15046.19043
9	-7.0559906	110.4753853	12837.2	59	-6.9840214	110.4725537	7004.25	109	-7.0185992	110.4915244	12108.74023
10	-7.0560102	110.4754266	13871.3	60	-6.9839854	110.472697	6279.430176	110	-7.0186606	110.4917148	9803.349609
11	-7.0560301	110.4754695	13853.5	61	-6.9839472	110.4728428	5731.680176	111	-7.0187255	110.4919128	6808.649902
12	-7.0560515	110.4755154	14378.2	62	-6.9839075	110.4729883	6530.180176	112	-7.0187929	110.4921103	4321.5
13	-7.0560778	110.4755688	14019.2	63	-6.9838674	110.4731187	6160.759766	113	-7.0188572	110.4923006	1300.089966
14	-7.0561078	110.4756247	14953.5	64	-6.9838284	110.473221	6049.720215	114	-7.0189204	110.4924807	1764.640015
15	-7.0561353	110.4756839	14112.2	65	-6.9837998	110.4732911	5812.959961	115	-7.0189825	110.4926614	2783.429932
16	-7.0561560	110.4757405	15089.2	66	-6.983784	110.4733249	5684.279785	116	-7.0190423	110.4928426	1389.23999
17	-7.0561756	110.4757913	15281.7	67	-6.9837787	110.4733363	5533.689941	117	-7.0191023	110.4930241	4067.280029
18	-7.0561977	110.4758422	12719.9	68	-6.9837767	110.4733339	5419.240234	118	-7.0191612	110.4932073	4359.620117
19	-7.0562206	110.4758960	10442.3	69	-6.9837767	110.4733393	6235.330078	119	-7.0192209	110.4933952	1442.160034
20	-7.0562419	110.4759524	6415.5	70	-6.9837753	110.4733397	6030.589844	120	-7.019284	110.4935853	2413.719971
21	-7.0562635	110.4760147	6362.1	71	-6.9837565	110.4733496	4023.889893	121	-7.0193472	110.4937748	3899.399902
22	-7.0562885	110.4760813	9209.5	72	-6.9837211	110.4733358	2772.100098	122	-7.0194092	110.4939636	3259.330078
23	-7.0563166	110.4761521	8925.9	73	-6.9836621	110.4733636	3968	123	-7.0194708	110.4941553	3424.080078
24	-7.0563495	110.4762241	9388.7	74	-6.9835799	110.4733888	2836.590088	124	-7.0195296	110.4943439	2723.659912
25	-7.0563874	110.4762935	11892.4	75	-6.9834957	110.4734494	3414.909912	125	-7.0195873	110.4945309	1883.060059
26	-7.0564207	110.4763556	10964.3	76	-6.9834095	110.4735176	3630.01001	126	-7.0196479	110.494723	1393.52002
27	-7.0564537	110.4764147	10470.2	77	-6.9833207	110.4735879	4260.259766	127	-7.0197099	110.4949163	1290.25
28	-7.0564882	110.4764714	10095.6	78	-6.9832395	110.4736562	4078.659912	128	-7.0197722	110.4951109	1964.609985
29	-7.0565220	110.4765293	12241.2	79	-6.983159	110.473726	5051.97998	129	-7.0198355	110.4953075	1372.959961
30	-7.0565540	110.4765846	11468.9	80	-6.9830811	110.4737936	5552.189941	130	-7.0199018	110.4955041	1236.180054
31	-7.0565828	110.4766329	8506.7	81	-6.9830118	110.4738555	6024.259766	131	-7.0199685	110.4957009	3704.300049
32	-7.0566052	110.4766725	13422.2	82	-6.9829512	110.473905	6276.970215	132	-7.0200367	110.4958992	3502.22998
33	-7.0566252	110.4767057	8289.9	83	-6.9829138	110.4739372	8672.570313	133	-7.0201043	110.4960991	3889.050049
34	-7.0566460	110.4767444	6981.2	84	-6.9828855	110.4739632	4114.620117	134	-7.0201746	110.4962991	2462.139893
35	-7.0566706	110.4767891	8635.2	85	-6.9828564	110.4739903	6409.330078	135	-7.0202444	110.496499	4102.040039
36	-7.0566982	110.4768367	7775.1	86	-6.9828222	110.4740232	6824.220215	136	-7.0203148	110.4967035	1786.27002
37	-7.0567253	110.4768829	10686.7	87	-6.9827795	110.474061	6590.47998	137	-7.0203865	110.4969074	2128.620117
38	-7.0567503	110.4769271	9515.6	88	-6.9827496	110.4740889	9663.330078	138	-7.0204552	110.4971124	2399.060059
39	-7.0567769	110.4769789	7611.6	89	-6.98273	110.474105	8588.219727	139	-7.0205249	110.4973166	1842.869995
40	-7.0567998	110.4770259	7612.3	90	-6.9827033	110.4741274	9141.469727	140	-7.0205933	110.4975216	4110.009766
41	-7.0568177	110.4770684	7436.0	91	-6.98268	110.4741467	11718.33984	141	-7.0206678	110.4977148	4039.560059
42	-7.0568348	110.4771211	6358.7	92	-6.98268	110.4741467	9478.629883	142	-7.0585211	110.4724174	3797.899902
43	-7.0568527	110.4771831	4304.2	93	-7.0176433	110.4905383	15451.82031	143	-7.0585353	110.4724411	2853.389893
44	-7.0568706	110.4772463	7023.6	94	-7.0177706	110.4904901	14290.62988	144	-7.0585548	110.4724812	3229.75
45	-7.0568915	110.4773085	9861.6	95	-7.0179078	110.490434	18216.91992	145	-7.0585749	110.4725351	3111.550049
46	-7.0569126	110.4773700	7613.3	96	-7.0180282	110.4903781	14986.00977	146	-7.058597	110.4725961	2548.040039
47	-7.0569285	110.4774271	8052.9	97	-7.0181056	110.4903476	18350.5293	147	-7.0586213	110.4726608	2137.389893
48	-7.0569418	110.4774780	11008.4	98	-7.0181504	110.490334	21092.25977	148	-7.0586461	110.4727305	1917.130005
49	-7.0569517	110.4775133	14185.1	99	-7.0181699	110.4903333	26989.28906	149	-7.0586696	110.4727946	2093.969971
50	-6.9839221	110.4713471	10733.6	100	-7.0181939	110.4903446	26672.32031	150	-7.0586869	110.4728562	1316.5

LAMPIRAN 4 Sample 150 Data *PCI* Sebelum Optimalisasi

Tabel L.4 Sample 150 Data *PCI* Sebelum Optimalisasi

No	Latitude	Longitude	Serving Cell Identity	No	Latitude	Longitude	Serving Cell Identity	No	Latitude	Longitude	Serving Cell Identity
1	-7.0558583	110.4749917	295	51	-7.0569517	110.4775133	295	101	-7.0180282	110.4903781	2
2	-7.0558583	110.4749917	295	52	-6.9838817	110.4712333	213	102	-7.0181056	110.4903476	2
3	-7.0558583	110.4749917	295	53	-6.9839221	110.4713471	213	103	-7.0181504	110.4903340	2
4	-7.0558659	110.4750310	295	54	-6.9839612	110.4714778	213	104	-7.0181699	110.4903333	2
5	-7.0558789	110.4750838	295	55	-6.9839889	110.4716114	213	105	-7.0181939	110.4903446	2
6	-7.0558952	110.4751380	295	56	-6.9840046	110.4717470	213	106	-7.0182222	110.4903887	2
7	-7.0559114	110.4751947	295	57	-6.9840183	110.4718857	213	107	-7.0182521	110.4904747	2
8	-7.0559289	110.4752502	295	58	-6.9840363	110.4720200	213	108	-7.0182867	110.4905829	2
9	-7.0559502	110.4753021	295	59	-6.9840563	110.4721473	213	109	-7.0183288	110.4907102	2
10	-7.0559715	110.4753450	295	60	-6.9840643	110.4722782	213	110	-7.0183769	110.4908525	2
11	-7.0559906	110.4753853	295	61	-6.9840504	110.4724127	213	111	-7.0184295	110.4910102	2
12	-7.0560102	110.4754266	295	62	-6.9840214	110.4725537	213	112	-7.0184855	110.4911731	2
13	-7.0560301	110.4754695	295	63	-6.9839854	110.4726970	213	113	-7.0185411	110.4913428	2
14	-7.0560515	110.4755154	295	64	-6.9839472	110.4728428	213	114	-7.0185992	110.4915244	2
15	-7.0560778	110.4755688	295	65	-6.9839075	110.4729883	213	115	-7.0186606	110.4917148	2
16	-7.0561078	110.4756247	295	66	-6.9838674	110.4731187	213	116	-7.0187255	110.4919128	2
17	-7.0561353	110.4756839	295	67	-6.9838284	110.4732210	213	117	-7.0187929	110.4921103	2
18	-7.0561560	110.4757405	295	68	-6.9837998	110.4732911	213	118	-7.0188572	110.4923006	0
19	-7.0561756	110.4757913	295	69	-6.9837840	110.4733249	213	119	-7.0189204	110.4924807	0
20	-7.0561977	110.4758422	295	70	-6.9837787	110.4733363	213	120	-7.0189825	110.4926614	1
21	-7.0562206	110.4758960	295	71	-6.9837767	110.4733390	213	121	-7.0190423	110.4928426	1
22	-7.0562419	110.4759524	295	72	-6.9837767	110.4733393	213	122	-7.0191023	110.4930241	0
23	-7.0562635	110.4760147	295	73	-6.9837753	110.4733397	213	123	-7.0191612	110.4932073	0
24	-7.0562885	110.4760813	295	74	-6.9837565	110.4733496	213	124	-7.0192209	110.4933952	0
25	-7.0563166	110.4761521	295	75	-6.9837211	110.4733580	213	125	-7.0192840	110.4935853	0
26	-7.0563495	110.4762241	295	76	-6.9836621	110.4733636	213	126	-7.0193472	110.4937748	1
27	-7.0563874	110.4762935	295	77	-6.9835799	110.4733888	213	127	-7.0194092	110.4939636	1
28	-7.0564207	110.4763556	295	78	-6.9834957	110.4734494	213	128	-7.0194708	110.4941553	1
29	-7.0564537	110.4764147	295	79	-6.9834095	110.4735176	213	129	-7.0195296	110.4943439	1
30	-7.0564882	110.4764714	295	80	-6.9833207	110.4735879	213	130	-7.0195873	110.4945309	1
31	-7.0565220	110.4765293	295	81	-6.9832395	110.4736562	213	131	-7.0196479	110.4947230	1
32	-7.0565540	110.4765846	295	82	-6.9831590	110.4737260	213	132	-7.0197099	110.4949163	1
33	-7.0565828	110.4766329	295	83	-6.9830811	110.4737936	213	133	-7.0197722	110.4951109	1
34	-7.0566052	110.4766725	295	84	-6.9830118	110.4738555	213	134	-7.0198355	110.4953075	1
35	-7.0566252	110.4767057	295	85	-6.9829512	110.4739050	213	135	-7.0199018	110.4955041	0
36	-7.0566460	110.4767444	295	86	-6.9829138	110.4739372	213	136	-7.0199685	110.4957009	1
37	-7.0566706	110.4767891	295	87	-6.9828855	110.4739632	213	137	-7.0200367	110.4958992	1
38	-7.0566982	110.4768367	295	88	-6.9828564	110.4739903	213	138	-7.0201043	110.4960991	1
39	-7.0567253	110.4768829	295	89	-6.9828222	110.4740232	213	139	-7.0201746	110.4962991	1
40	-7.0567503	110.4769271	295	90	-6.9827795	110.4740610	213	140	-7.0202444	110.4964990	1
41	-7.0567769	110.4769789	295	91	-6.9827496	110.4740889	213	141	-7.0203148	110.4967035	1
42	-7.0567998	110.4770259	295	92	-6.9827300	110.4741050	213	142	-7.0203865	110.4969074	1
43	-7.0568177	110.4770684	295	93	-6.9827033	110.4741274	213	143	-7.0204552	110.4971124	1
44	-7.0568348	110.4771211	295	94	-6.9826800	110.4741467	213	144	-7.0205249	110.4973166	1
45	-7.0568527	110.4771831	295	95	-6.9826800	110.4741467	213	145	-7.0205933	110.4975216	1
46	-7.0568706	110.4772463	295	96	-7.0176433	110.4905383	2	146	-7.0206678	110.4977148	1
47	-7.0568915	110.4773085	295	97	-7.0176433	110.4905383	2	147	-7.0585183	110.4724133	296
48	-7.0569126	110.4773700	295	98	-7.0176433	110.4905383	2	148	-7.0585211	110.4724174	296
49	-7.0569285	110.4774271	295	99	-7.0177706	110.4904901	2	149	-7.0585353	110.4724411	296
50	-7.0569418	110.4774780	295	100	-7.0179078	110.4904340	2	150	-7.0585548	110.4724812	296

LAMPIRAN 5 Sample 150 Data *RSRP* Setelah Optimalisasi

Tabel L.5 Sample 150 Data *RSRP* Setelah Optimalisasi

No	Latitude	Longitude	Serving Cell RSRP (dBm)	No	Latitude	Longitude	Serving Cell RSRP (dBm)	No	Latitude	Longitude	Serving Cell RSRP (dBm)
1	-7.0131917	110.4642917	-75.1	51	-7.0338015	110.4597080	-84.4	101	-7.0401417	110.4600884	-77.7
2	-7.0131970	110.4643125	-78.6	52	-7.0336907	110.4595435	-90.1	102	-7.0403222	110.4602272	-78.7
3	-7.0132137	110.4643760	-77.8	53	-7.0335807	110.4593810	-91.4	103	-7.0405155	110.4603490	-79.6
4	-7.0132265	110.4644271	-77.1	54	-7.0334635	110.4592220	-88.5	104	-7.0407087	110.4604703	-81.0
5	-7.0132379	110.4644745	-77.7	55	-7.0333397	110.4590647	-89.2	105	-7.0408910	110.4605913	-81.3
6	-7.0132528	110.4645332	-78.1	56	-7.0332155	110.4589069	-86.7	106	-7.0410633	110.4607080	-84.8
7	-7.0132666	110.4645950	-81.5	57	-7.0330908	110.4587462	-90.9	107	-7.0412263	110.4608162	-85.9
8	-7.0132814	110.4646562	-78.8	58	-7.0329723	110.4585931	-94.0	108	-7.0413787	110.4609059	-84.5
9	-7.0132986	110.4647161	-72.6	59	-7.0328730	110.4584625	-89.8	109	-7.0415236	110.4609759	-85.4
10	-7.0133085	110.4647650	-75.3	60	-7.0328767	110.4582050	-87.7	110	-7.0416777	110.4610234	-81.9
11	-7.0133171	110.4648078	-82.5	61	-7.0328997	110.4581898	-88.0	111	-7.0418050	110.4610450	-82.8
12	-7.0133259	110.4648591	-82.2	62	-7.0329988	110.4581220	-88.4	112	-7.0428883	110.4610767	-77.6
13	-7.0133393	110.4649260	-82.7	63	-7.0331042	110.4580413	-82.5	113	-7.0429292	110.4610759	-77.0
14	-7.0133538	110.4649965	-76.1	64	-7.0332248	110.4579475	-81.1	114	-7.0431027	110.4610657	-74.3
15	-7.0133649	110.4650589	-76.6	65	-7.0333639	110.4578552	-82.8	115	-7.0432785	110.4610457	-73.3
16	-7.0133735	110.4651026	-80.9	66	-7.0335275	110.4577827	-84.1	116	-7.0434561	110.4610195	-72.4
17	-7.0133794	110.4651505	-81.8	67	-7.0336918	110.4577184	-87.7	117	-7.0436411	110.4609920	-76.7
18	-7.0133827	110.4652059	-83.1	68	-7.0338554	110.4576697	-81.3	118	-7.0438313	110.4609674	-73.3
19	-7.0133874	110.4652687	-85.2	69	-7.0340170	110.4576508	-80.3	119	-7.0440271	110.4609413	-75.6
20	-7.0133916	110.4653260	-82.0	70	-7.0341816	110.4576719	-82.9	120	-7.0442209	110.4609125	-75.1
21	-7.0133950	110.4653600	-81.4	71	-7.0343488	110.4577197	-88.7	121	-7.0444075	110.4608854	-77.4
22	-7.0363583	110.4626600	-83.1	72	-7.0345236	110.4577776	-84.1	122	-7.0445866	110.4608636	-81.7
23	-7.0363412	110.4626344	-88.3	73	-7.0347043	110.4578393	-83.0	123	-7.0447500	110.4608424	-83.8
24	-7.0362642	110.4625183	-85.0	74	-7.0348920	110.4578927	-81.6	124	-7.0448989	110.4608231	-83.2
25	-7.0361783	110.4623886	-82.6	75	-7.0350889	110.4579348	-81.8	125	-7.0450421	110.4608109	-79.5
26	-7.0360851	110.4622565	-84.8	76	-7.0352925	110.4579609	-82.1	126	-7.0578200	110.4710050	-68.9
27	-7.0359953	110.4621354	-87.6	77	-7.0355002	110.4579704	-81.3	127	-7.0578566	110.4710491	-72.8
28	-7.0359233	110.4620361	-85.3	78	-7.0357081	110.4579732	-83.2	128	-7.0579107	110.4711066	-71.6
29	-7.0358838	110.4619831	-84.9	79	-7.0359216	110.4579931	-82.2	129	-7.0579727	110.4711714	-71.6
30	-7.0358554	110.4619423	-83.1	80	-7.0361415	110.4580400	-80.9	130	-7.0580391	110.4712457	-75.5
31	-7.0358140	110.4618813	-84.0	81	-7.0363651	110.4581049	-82.9	131	-7.0581140	110.4713261	-74.7
32	-7.0357535	110.4617939	-84.2	82	-7.0365892	110.4581534	-76.8	132	-7.0581920	110.4714141	-72.0
33	-7.0356828	110.4616942	-86.6	83	-7.0368168	110.4581834	-78.6	133	-7.0582612	110.4715115	-70.7
34	-7.0356021	110.4615707	-89.9	84	-7.0370438	110.4581975	-83.2	134	-7.0583149	110.4716198	-67.8
35	-7.0355113	110.4614300	-92.4	85	-7.0372667	110.4581934	-84.8	135	-7.0583475	110.4717406	-74.0
36	-7.0354147	110.4612862	-92.2	86	-7.0374887	110.4581778	-86.0	136	-7.0583774	110.4718669	-77.8
37	-7.0353135	110.4611355	-90.7	87	-7.0377089	110.4581545	-92.4	137	-7.0584149	110.4719955	-73.5
38	-7.0352217	110.4610055	-89.2	88	-7.0379248	110.4581424	-93.2	138	-7.0584512	110.4721280	-71.4
39	-7.0351517	110.4609152	-92.8	89	-7.0381318	110.4581643	-93.1	139	-7.0584833	110.4722624	-71.8
40	-7.0351089	110.4608591	-93.7	90	-7.0383116	110.4582679	-90.3	140	-7.0585229	110.4723978	-72.7
41	-7.0350529	110.4608006	-93.4	91	-7.0384724	110.4584190	-87.1	141	-7.0585691	110.4725339	-76.0
42	-7.0349673	110.4607310	-91.3	92	-7.0386264	110.4585936	-83.4	142	-7.0586767	110.4728333	-75.5
43	-7.0348577	110.4606601	-92.5	93	-7.0387873	110.4587656	-81.0	143	-7.0587104	110.4729295	-81.6
44	-7.0347325	110.4605854	-92.5	94	-7.0389702	110.4589216	-75.8	144	-7.0587599	110.4730557	-83.2
45	-7.0345928	110.4605002	-90.9	95	-7.0391698	110.4590501	-80.5	145	-7.0588662	110.4733011	-76.5
46	-7.0344483	110.4604045	-89.3	96	-7.0393620	110.4591729	-78.2	146	-7.0589108	110.4734266	-74.4
47	-7.0343070	110.4602949	-91.1	97	-7.0395360	110.4593224	-80.0	147	-7.0589566	110.4735570	-74.3
48	-7.0341685	110.4601696	-84.6	98	-7.0396916	110.4595067	-83.9	148	-7.0590046	110.4736900	-74.1
49	-7.0340396	110.4600257	-80.4	99	-7.0398375	110.4597114	-82.5	149	-7.0590417	110.4737917	-73.0
50	-7.0339181	110.4598685	-80.2	100	-7.0399814	110.4599157	-76.4	150	-7.0503583	110.4716783	-88.5

LAMPIRAN 6 Sample 150 Data *SINR* Setelah Optimalisasi

Tabel L.6 Sample 150 Data *SINR* Setelah Optimalisasi

No	Latitude	Longitude	RS SINR (dB)	No	Latitude	Longitude	RS SINR (dB)	No	Latitude	Longitude	RS SINR (dB)
1	-7.0131917	110.4642917	16.0	51	-7.0338015	110.4597080	16.0	101	-7.0401417	110.4600884	23.9
2	-7.0131970	110.4643125	13.5	52	-7.0336907	110.4595435	8.8	102	-7.0403222	110.4602272	21.9
3	-7.0132137	110.4643760	12.9	53	-7.0335807	110.4593810	8.5	103	-7.0405155	110.4603490	19.8
4	-7.0132265	110.4644271	12.6	54	-7.0334635	110.4592220	11.4	104	-7.0407087	110.4604703	19.5
5	-7.0132379	110.4644745	12.3	55	-7.0333397	110.4590647	14.4	105	-7.0408910	110.4605913	18.0
6	-7.0132528	110.4645332	11.3	56	-7.0332155	110.4589069	15.1	106	-7.0410633	110.4607080	15.1
7	-7.0132666	110.4645950	8.9	57	-7.0330908	110.4587462	13.2	107	-7.0412263	110.4608162	15.2
8	-7.0132814	110.4646562	11.2	58	-7.0329723	110.4585931	8.3	108	-7.0413787	110.4609059	14.5
9	-7.0132986	110.4647161	11.4	59	-7.0328730	110.4584625	8.6	109	-7.0415236	110.4609759	11.7
10	-7.0133085	110.4647650	13.2	60	-7.0328767	110.4582050	15.0	110	-7.0416777	110.4610234	12.3
11	-7.0133171	110.4648078	10.4	61	-7.0328997	110.4581898	15.9	111	-7.0418050	110.4610450	11.5
12	-7.0133259	110.4648591	12.6	62	-7.0329988	110.4581220	14.8	112	-7.0428883	110.4610767	8.5
13	-7.0133393	110.4649260	12.4	63	-7.0331042	110.4580413	19.9	113	-7.0429292	110.4610759	11.7
14	-7.0133538	110.4649965	14.0	64	-7.0332248	110.4579475	23.5	114	-7.0431027	110.4610657	14.6
15	-7.0133649	110.4650589	13.9	65	-7.0333639	110.4578552	21.5	115	-7.0432785	110.4610457	16.4
16	-7.0133735	110.4651026	12.2	66	-7.0335275	110.4577827	19.8	116	-7.0434561	110.4610195	16.8
17	-7.0133794	110.4651505	12.5	67	-7.0336918	110.4577184	15.7	117	-7.0436411	110.4609920	14.4
18	-7.0133827	110.4652059	11.8	68	-7.0338554	110.4576697	22.2	118	-7.0438313	110.4609674	17.6
19	-7.0133874	110.4652687	11.7	69	-7.0340170	110.4576508	22.9	119	-7.0440271	110.4609413	16.3
20	-7.0133916	110.4653260	13.7	70	-7.0341816	110.4576719	21.8	120	-7.0442209	110.4609125	16.4
21	-7.0133950	110.4653600	14.1	71	-7.0343488	110.4577197	17.9	121	-7.0444075	110.4608854	15.8
22	-7.0363583	110.4626600	15.5	72	-7.0345236	110.4577776	17.8	122	-7.0445866	110.4608636	13.4
23	-7.0363412	110.4626344	12.3	73	-7.0347043	110.4578393	18.0	123	-7.0447500	110.4608424	13.9
24	-7.0362642	110.4625183	15.0	74	-7.0348920	110.4578927	20.7	124	-7.0448989	110.4608231	15.0
25	-7.0361783	110.4623886	16.1	75	-7.0350889	110.4579348	19.6	125	-7.0450421	110.4608109	19.2
26	-7.0360851	110.4622565	14.7	76	-7.0352925	110.4579609	17.7	126	-7.0578200	110.4710050	25.6
27	-7.0359953	110.4621354	10.7	77	-7.0355002	110.4579704	15.8	127	-7.0578566	110.4710491	27.7
28	-7.0359233	110.4620361	13.5	78	-7.0357081	110.4579732	15.2	128	-7.0579107	110.4711066	28.1
29	-7.0358838	110.4619831	14.1	79	-7.0359216	110.4579931	17.4	129	-7.0579727	110.4711714	28.4
30	-7.0358554	110.4619423	15.7	80	-7.0361415	110.4580400	18.0	130	-7.0580391	110.4712457	25.1
31	-7.0358140	110.4618813	14.2	81	-7.0363651	110.4581049	19.6	131	-7.0581140	110.4713261	25.9
32	-7.0357535	110.4617939	14.8	82	-7.0365892	110.4581534	23.7	132	-7.0581920	110.4714141	27.0
33	-7.0356828	110.4616942	12.8	83	-7.0368168	110.4581834	21.6	133	-7.0582612	110.4715115	26.7
34	-7.0356021	110.4615707	10.0	84	-7.0370438	110.4581975	18.2	134	-7.0583149	110.4716198	26.7
35	-7.0355113	110.4614300	7.5	85	-7.0372667	110.4581934	16.3	135	-7.0583475	110.4717406	21.9
36	-7.0354147	110.4612862	8.2	86	-7.0374887	110.4581778	16.5	136	-7.0583774	110.4718669	17.1
37	-7.0353135	110.4611355	9.7	87	-7.0377089	110.4581545	10.0	137	-7.0584149	110.4719955	18.3
38	-7.0352217	110.4610055	8.6	88	-7.0379248	110.4581424	8.5	138	-7.0584512	110.4721280	21.1
39	-7.0351517	110.4609152	6.1	89	-7.0381318	110.4581643	7.0	139	-7.0584833	110.4722624	21.4
40	-7.0351089	110.4608591	4.7	90	-7.0383116	110.4582679	10.5	140	-7.0585229	110.4723978	19.4
41	-7.0350529	110.4608006	5.1	91	-7.0384724	110.4584190	14.3	141	-7.0585691	110.4725339	15.8
42	-7.0349673	110.4607310	8.6	92	-7.0386264	110.4585936	20.1	142	-7.0586767	110.4728333	12.2
43	-7.0348577	110.4606601	7.5	93	-7.0387873	110.4587656	23.2	143	-7.0587104	110.4729295	9.9
44	-7.0347325	110.4605854	8.6	94	-7.0389702	110.4589216	26.1	144	-7.0587599	110.4730557	9.2
45	-7.0345928	110.4605002	10.6	95	-7.0391698	110.4590501	24.5	145	-7.0588145	110.4731790	6.1
46	-7.0344483	110.4604045	9.9	96	-7.0393620	110.4591729	25.3	146	-7.0588662	110.4733011	6.0
47	-7.0343070	110.4602949	13.8	97	-7.0395360	110.4593224	25.5	147	-7.0589108	110.4734266	9.9
48	-7.0341685	110.4601696	16.6	98	-7.0396916	110.4595067	22.3	148	-7.0589566	110.4735570	7.3
49	-7.0340396	110.4600257	22.3	99	-7.0398375	110.4597114	21.4	149	-7.0590046	110.4736900	10.1
50	-7.0339181	110.4598685	22.8	100	-7.0399814	110.4599157	23.2	150	-7.0590417	110.4737917	7.4

LAMPIRAN 7 Sample 150 Data Throughput Setelah Optimalisasi

Tabel L.7 Sample 150 Data Throughput Setelah Optimalisasi

No	Latitude	Longitude	Total PDCP DL Throughput	No	Latitude	Longitude	Total PDCP DL Throughput	No	Latitude	Longitude	Total PDCP DL Throughput
1	-7.0131970	110.4643125	11453.22	51	-7.0334635	110.4592220	4212.55	101	-7.0408910	110.4605913	10660.48
2	-7.0132137	110.4643760	10153.96	52	-7.0333397	110.4590647	6546.52	102	-7.0410633	110.4607080	7993.04
3	-7.0132265	110.4644271	8396.96	53	-7.0332155	110.4589069	8363.49	103	-7.0412263	110.4608162	7718.88
4	-7.0132379	110.4644745	8517.07	54	-7.0330908	110.4587462	7899.81	104	-7.0413787	110.4609059	7300.29
5	-7.0132528	110.4645332	6250.23	55	-7.0329723	110.4585931	3538.88	105	-7.0415236	110.4609759	5395.96
6	-7.0132666	110.4645950	4902.40	56	-7.0328730	110.4584625	3766.66	106	-7.0416777	110.4610234	4080.59
7	-7.0132814	110.4646562	6162.59	57	-7.0328997	110.4581898	9114.76	107	-7.0418050	110.4610450	4105.33
8	-7.0132986	110.4647161	6887.94	58	-7.0329988	110.4581220	8930.31	108	-7.0431027	110.4610657	10917.93
9	-7.0133085	110.4647650	8338.47	59	-7.0331042	110.4580413	9048.08	109	-7.0432785	110.4610457	13145.79
10	-7.0133171	110.4648078	6017.87	60	-7.0332248	110.4579475	14692.44	110	-7.0434561	110.4610195	12016.78
11	-7.0133259	110.4648591	6551.21	61	-7.0333639	110.4578552	12415.99	111	-7.0436411	110.4609920	12009.13
12	-7.0133393	110.4649260	9386.55	62	-7.0335275	110.4577827	13014.63	112	-7.0438313	110.4609674	15102.88
13	-7.0133538	110.4649965	14134.58	63	-7.0336918	110.4577184	10419.96	113	-7.0440271	110.4609413	16370.66
14	-7.0133649	110.4650589	14025.42	64	-7.0338554	110.4576697	11697.99	114	-7.0442209	110.4609125	12700.64
15	-7.0133735	110.4651026	9355.92	65	-7.0340170	110.4576508	15685.86	115	-7.0444075	110.4608854	14786.97
16	-7.0133794	110.4651505	10523.10	66	-7.0341816	110.4576719	11284.13	116	-7.0445866	110.4608636	11588.90
17	-7.0133827	110.4652059	9164.82	67	-7.0343488	110.4577197	12195.44	117	-7.0447500	110.4608424	11143.56
18	-7.0133874	110.4652687	8892.58	68	-7.0345236	110.4577776	11875.57	118	-7.0448989	110.4608231	13483.99
19	-7.0133916	110.4653260	8900.97	69	-7.0347043	110.4578393	9306.48	119	-7.0450421	110.4608109	16408.33
20	-7.0133950	110.4653600	9595.56	70	-7.0348920	110.4578927	10187.18	120	-7.0578566	110.4710491	20392.60
21	-7.0362642	110.4625183	11032.00	71	-7.0350889	110.4579348	10069.18	121	-7.0579107	110.4711066	21702.29
22	-7.0361783	110.4623886	12526.16	72	-7.0352925	110.4579609	10388.32	122	-7.0579727	110.4711714	21415.67
23	-7.0360851	110.4622565	12915.76	73	-7.0355002	110.4579704	7976.94	123	-7.0580391	110.4712457	18223.05
24	-7.0359953	110.4621354	9782.80	74	-7.0357081	110.4579732	7416.36	124	-7.0581140	110.4713261	12102.23
25	-7.0359233	110.4620361	11820.95	75	-7.0359216	110.4579931	9724.35	125	-7.0581920	110.4714141	12119.21
26	-7.0358838	110.4619831	12366.51	76	-7.0361415	110.4580400	11603.51	126	-7.0582612	110.4715115	11345.47
27	-7.0358554	110.4619423	12079.94	77	-7.0363651	110.4581049	13974.07	127	-7.0583149	110.4716198	16507.27
28	-7.0358140	110.4618813	12939.95	78	-7.0365892	110.4581534	16724.90	128	-7.0583475	110.4717406	15532.32
29	-7.0357535	110.4617939	12741.32	79	-7.0368168	110.4581834	19297.94	129	-7.0583774	110.4718669	9905.83
30	-7.0356828	110.4616942	11793.63	80	-7.0370438	110.4581975	14077.06	130	-7.0584149	110.4719955	12239.06
31	-7.0356021	110.4615707	8955.87	81	-7.0372667	110.4581934	13336.82	131	-7.0584512	110.4721280	14826.99
32	-7.0355113	110.4614300	6269.02	82	-7.0374887	110.4581778	11109.45	132	-7.0584833	110.4722624	16025.42
33	-7.0354147	110.4612862	5412.54	83	-7.0377089	110.4581545	6303.83	133	-7.0585229	110.4723978	13274.53
34	-7.0353135	110.4611355	7313.48	84	-7.0379248	110.4581424	5525.14	134	-7.0585691	110.4725339	8386.13
35	-7.0352217	110.4610055	6187.11	85	-7.0381318	110.4581643	4694.74	135	-7.0587104	110.4729295	4084.71
36	-7.0351517	110.4609152	5802.77	86	-7.0383116	110.4582679	6001.94	136	-7.0587599	110.4730557	3503.40
37	-7.0351089	110.4608591	4915.43	87	-7.0384724	110.4584190	8064.66	137	-7.0588145	110.4731790	3489.57
38	-7.0350529	110.4608006	2875.65	88	-7.0386264	110.4585936	12878.89	138	-7.0588662	110.4733011	5644.09
39	-7.0349673	110.4607310	5405.28	89	-7.0387873	110.4587656	17581.62	139	-7.0589108	110.4734266	10028.07
40	-7.0348577	110.4606601	5421.91	90	-7.0389702	110.4589216	21295.14	140	-7.0589566	110.4735570	7366.21
41	-7.0347325	110.4605854	5255.45	91	-7.0391698	110.4590501	18740.51	141	-7.0590046	110.4736900	11182.71
42	-7.0345928	110.4605002	5373.61	92	-7.0393620	110.4591729	19742.07	142	-7.0590417	110.4737917	8370.12
43	-7.0344483	110.4604045	4806.50	93	-7.0395360	110.4593224	19305.15	143	-7.05903583	110.4716783	5769.15
44	-7.0343070	110.4602949	4003.98	94	-7.0396916	110.4595067	18057.92	144	-7.05903583	110.4717027	4659.00
45	-7.0341685	110.4601696	8299.81	95	-7.0398375	110.4597114	15777.52	145	-7.05903681	110.4717430	4722.80
46	-7.0340396	110.4600257	12918.47	96	-7.0399814	110.4599157	19394.37	146	-7.05903844	110.4718060	7719.17
47	-7.0339181	110.4598685	14570.70	97	-7.0401417	110.4600884	18114.36	147	-7.05904010	110.4718811	6391.27
48	-7.0338015	110.4597080	7455.11	98	-7.0403222	110.4602272	15370.69	148	-7.05904136	110.4719645	12181.05
49	-7.0336907	110.4595435	4520.22	99	-7.0405155	110.4603490	13266.91	149	-7.05904255	110.4720504	11057.02
50	-7.0335807	110.4593810	2751.61	100	-7.0407087	110.4604703	11653.42	150	-7.05904369	110.4721397	5990.37

LAMPIRAN 8 Sample 150 Data *PCI* Setelah Optimalisasi

Tabel L.8 Sample 150 Data *PCI* Setelah Optimalisasi

No	Latitude	Longitude	Serving Cell Identity	No	Latitude	Longitude	Serving Cell Identity	No	Latitude	Longitude	Serving Cell Identity
1	-7.0131917	110.4642917	308	51	-7.0338015	110.4597080	198	101	-7.0401417	110.4600884	198
2	-7.0131970	110.4643125	308	52	-7.0336907	110.4595435	198	102	-7.0403222	110.4602272	198
3	-7.0132137	110.4643760	308	53	-7.0335807	110.4593810	198	103	-7.0405155	110.4603490	198
4	-7.0132265	110.4644271	308	54	-7.0334635	110.4592220	198	104	-7.0407087	110.4604703	198
5	-7.0132379	110.4644745	308	55	-7.0333397	110.4590647	198	105	-7.0408910	110.4605913	198
6	-7.0132528	110.4645332	308	56	-7.0332155	110.4589069	198	106	-7.0410633	110.4607080	198
7	-7.0132666	110.4645950	308	57	-7.0330908	110.4587462	198	107	-7.0412263	110.4608162	198
8	-7.0132814	110.4646562	308	58	-7.0329723	110.4585931	198	108	-7.0413787	110.4609059	198
9	-7.0132986	110.4647161	307	59	-7.0328730	110.4584625	198	109	-7.0415236	110.4609759	198
10	-7.0133085	110.4647650	307	60	-7.0328767	110.4582050	198	110	-7.0416777	110.4610234	198
11	-7.0133171	110.4648078	307	61	-7.0328997	110.4581898	198	111	-7.0418050	110.4610450	198
12	-7.0133259	110.4648591	307	62	-7.0329988	110.4581220	198	112	-7.0428883	110.4610767	199
13	-7.0133393	110.4649260	307	63	-7.0331042	110.4580413	198	113	-7.0429292	110.4610759	199
14	-7.0133538	110.4649965	307	64	-7.0332248	110.4579475	198	114	-7.0431027	110.4610657	199
15	-7.0133649	110.4650589	307	65	-7.0333639	110.4578552	198	115	-7.0432785	110.4610457	199
16	-7.0133735	110.4651026	307	66	-7.0335275	110.4577827	198	116	-7.0434561	110.4610195	199
17	-7.0133794	110.4651505	307	67	-7.0336918	110.4577184	198	117	-7.0436411	110.4609920	199
18	-7.0133827	110.4652059	307	68	-7.0338554	110.4576697	198	118	-7.0438313	110.4609674	199
19	-7.0133874	110.4652687	307	69	-7.0340170	110.4576508	198	119	-7.0440271	110.4609413	199
20	-7.0133916	110.4653260	307	70	-7.0341816	110.4576719	198	120	-7.0442209	110.4609125	199
21	-7.0133950	110.4653600	307	71	-7.0343488	110.4577197	198	121	-7.0444075	110.4608854	199
22	-7.0363583	110.4626600	280	72	-7.0345236	110.4577776	198	122	-7.0445866	110.4608636	199
23	-7.0363412	110.4626344	280	73	-7.0347043	110.4578393	198	123	-7.0447500	110.4608424	199
24	-7.0362642	110.4625183	280	74	-7.0348920	110.4578927	198	124	-7.0448989	110.4608231	199
25	-7.0361783	110.4623886	280	75	-7.0350889	110.4579348	198	125	-7.0450421	110.4608109	199
26	-7.0360851	110.4622565	280	76	-7.0352925	110.4579609	198	126	-7.0578200	110.4710050	296
27	-7.0359953	110.4621354	280	77	-7.0355002	110.4579704	198	127	-7.0578566	110.4710491	296
28	-7.0359233	110.4620361	280	78	-7.0357081	110.4579732	198	128	-7.0579107	110.4711066	296
29	-7.0358838	110.4619831	280	79	-7.0359216	110.4579931	198	129	-7.0579727	110.4711714	296
30	-7.0358554	110.4619423	280	80	-7.0361415	110.4580400	198	130	-7.0580391	110.4712457	296
31	-7.0358140	110.4618813	280	81	-7.0363651	110.4581049	198	131	-7.0581140	110.4713261	296
32	-7.0357535	110.4617939	280	82	-7.0365892	110.4581534	198	132	-7.0581920	110.4714141	296
33	-7.0356828	110.4616942	280	83	-7.0368168	110.4581834	198	133	-7.0582612	110.4715115	296
34	-7.0356021	110.4615707	280	84	-7.0370438	110.4581975	198	134	-7.0583149	110.4716198	296
35	-7.0355113	110.4614300	280	85	-7.0372667	110.4581934	198	135	-7.0583475	110.4717406	296
36	-7.0354147	110.4612862	280	86	-7.0374887	110.4581778	198	136	-7.0583774	110.4718669	296
37	-7.0353135	110.4611355	280	87	-7.0377089	110.4581545	198	137	-7.0584149	110.4719955	296
38	-7.0352217	110.4610055	280	88	-7.0379248	110.4581424	198	138	-7.0584512	110.4721280	296
39	-7.0351517	110.4609152	280	89	-7.0381318	110.4581643	198	139	-7.0584833	110.4722624	296
40	-7.0351089	110.4608591	280	90	-7.0383116	110.4582679	198	140	-7.0585229	110.4723978	296
41	-7.0350529	110.4608006	280	91	-7.0384724	110.4584190	198	141	-7.0585691	110.4725339	296
42	-7.0349673	110.4607310	280	92	-7.0386264	110.4585936	198	142	-7.0586767	110.4728333	296
43	-7.0348577	110.4606601	280	93	-7.0387873	110.4587656	198	143	-7.0587104	110.4729295	296
44	-7.0347325	110.4605854	280	94	-7.0389702	110.4589216	198	144	-7.0587599	110.4730557	296
45	-7.0345928	110.4605002	280	95	-7.0391698	110.4590501	198	145	-7.0588662	110.4733011	295
46	-7.0344483	110.4604045	280	96	-7.0393620	110.4591729	198	146	-7.0589108	110.4734266	295
47	-7.0343070	110.4602949	280	97	-7.0395360	110.4593224	198	147	-7.0589566	110.4735570	295
48	-7.0341685	110.4601696	198	98	-7.0396916	110.4595067	198	148	-7.0590046	110.4736900	295
49	-7.0340396	110.4600257	198	99	-7.0398375	110.4597114	198	149	-7.0590417	110.4737917	295
50	-7.0339181	110.4598685	198	100	-7.0399814	110.4599157	198	150	-7.0503583	110.4716783	188

LAMPIRAN 9 Jadwal Penelitian

Tabel L.9 Rencana Time Skedule Penelitian dan Tesis

	Bulan April				Bulan Mei				Bulan Juni				Bulan Juli				Bulan Agustus			
	W1	W2	W3	W4	W1	W2	W3	W4	W1	W2	W3	W4	W1	W2	W3	W4	W1	W2	W3	W4
Penyusunan Proposal Tesis	■																			
Penyusunan Bab 1		■																		
Penyusunan Bab 2			■																	
Drive test awal				■																
Analisa data drive test awal					■															
Pengumpulan data parameter						■														
Memasukkan hasil drive test ke Atoll							■													
Seting perangkat lunak Atoll								■												
Penyusunan Bab 3									■											
Membuat tool bantu dengan MS Office										■										
Mencari ketinggian kontur tanah											■									
Analisa sebelum optimisasi												■								
Implementasi pada tiap sector antena													■							
Drive test setelah optimisasi														■						
Analisa data setelah optimisasi															■					
Membuat ringkasan perbandingan hasil																■				
Penyusunan Bab 4																	■			
Penyusunan Bab 5																		■		
Finishing Semua Bab																			■	

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 pada Program Magister Teknik Elektro Universitas Islam Sultan Agung



Dibuat oleh:

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 NRE.16.17.0136

PROGRAM MAGISTER TEKNIK ELEKTRO
 FAKULTAS TEKNOLOGI INDUSTRI
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 SEMARANG
 2018

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