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LAMPIRAN

Lampiran A

Data Gempa Mikro Selama 4 Bulan (Juni s.d. September 2010)

Tabel di bawah merupakan data posisi hiposenter gempa, posisi stasiun, dan waktu tempuh gelombang dari *source* ke *receiver*. Untuk penjelasan tentang data ini dapat dilihat pada bab IV.

A.1 Data gelombang P

Sumber Gempa (<i>source</i>)			Stasiun Penerima (<i>receiver</i>)			t_{obs}
X_0	Y_0	Z_0	X_1	Y_1	Z_1	
13.8065	6.5975	-0.21	7.27165	15.00393	1.531	0.599
13.8065	6.5975	-0.21	9.43331	13.98919	1.411	0.599
13.8065	6.5975	-0.21	10.00658	16.09305	1.658	0.839
13.8065	6.5975	-0.21	8.03819	19.66219	1.14	1.429
13.8065	6.5975	-0.21	6.93818	11.4067	1.365	0.989
13.8065	6.5975	-0.21	13.56499	12.2826	1.284	1.659
12.3885	6.5805	0.43	7.27165	15.00393	1.531	0.400
12.3885	6.5805	0.43	9.43331	13.98919	1.411	0.430
12.3885	6.5805	0.43	10.00658	16.09305	1.658	1.480
12.3885	6.5805	0.43	8.03819	19.66219	1.14	1.300
12.3885	6.5805	0.43	6.93818	11.4067	1.365	0.870
12.3885	6.5805	0.43	13.56499	12.2826	1.284	2.930
13.7185	3.2665	-0.28	10.00658	16.09305	1.658	1.592
13.7185	3.2665	-0.28	6.93818	11.4067	1.365	0.552
13.7185	3.2665	-0.28	13.56499	12.2826	1.284	1.552
15.0805	8.9445	0.25	7.27165	15.00393	1.531	0.967
15.0805	8.9445	0.25	9.43331	13.98919	1.411	0.957
15.0805	8.9445	0.25	8.03819	19.66219	1.14	1.027
15.0805	8.9445	0.25	6.93818	11.4067	1.365	1.937
12.0915	8.2215	-0.73	7.27165	15.00393	1.531	0.740
12.0915	8.2215	-0.73	9.43331	13.98919	1.411	1.090
12.0915	8.2215	-0.73	10.00658	16.09305	1.658	1.110
12.0915	8.2215	-0.73	8.03819	19.66219	1.14	1.110
12.0915	8.2215	-0.73	13.56499	12.2826	1.284	2.060
13.5215	8.4485	0.26	7.27165	15.00393	1.531	0.665

13.5215	8.4485	0.26	9.43331	13.98919	1.411	0.905
13.5215	8.4485	0.26	10.00658	16.09305	1.658	0.845
13.5215	8.4485	0.26	13.56499	12.2826	1.284	1.905
11.5305	8.5535	0.28	7.27165	15.00393	1.531	0.776
11.5305	8.5535	0.28	9.43331	13.98919	1.411	1.336
11.5305	8.5535	0.28	8.03819	19.66219	1.14	1.166
11.5305	8.5535	0.28	13.56499	12.2826	1.284	2.176
19.5645	11.1585	-3.89	7.27165	15.00393	1.531	1.893
19.5645	11.1585	-3.89	8.03819	19.66219	1.14	1.533
19.5645	11.1585	-3.89	6.93818	11.4067	1.365	2.333
19.5645	11.1585	-3.89	13.56499	12.2826	1.284	1.693
11.9575	7.0655	-0.74	7.27165	15.00393	1.531	0.651
11.9575	7.0655	-0.74	9.43331	13.98919	1.411	1.071
11.9575	7.0655	-0.74	8.03819	19.66219	1.14	1.371
11.9575	7.0655	-0.74	13.56499	12.2826	1.284	1.981
11.8545	7.3785	-0.77	7.27165	15.00393	1.531	0.709
11.8545	7.3785	-0.77	9.43331	13.98919	1.411	1.119
11.8545	7.3785	-0.77	8.03819	19.66219	1.14	1.289
13.1405	8.5835	-0.32	7.27165	15.00393	1.531	0.691
13.1405	8.5835	-0.32	9.43331	13.98919	1.411	1.011
13.1405	8.5835	-0.32	10.00658	16.09305	1.658	0.941
13.1405	8.5835	-0.32	13.56499	12.2826	1.284	1.931
16.2155	0.2105	0.26	7.27165	15.00393	1.531	2.056
16.2155	0.2105	0.26	9.43331	13.98919	1.411	1.766
16.2155	0.2105	0.26	8.03819	19.66219	1.14	2.796
16.2155	0.2105	0.26	6.93818	11.4067	1.365	1.456
16.2155	0.2105	0.26	13.56499	12.2826	1.284	1.496
22.8295	6.7535	-0.26	7.27165	15.00393	1.531	2.481
22.8295	6.7535	-0.26	9.43331	13.98919	1.411	2.021
22.8295	6.7535	-0.26	6.93818	11.4067	1.365	2.531
22.8295	6.7535	-0.26	13.56499	12.2826	1.284	1.261
11.4035	7.2205	-1.64	7.27165	15.00393	1.531	1.766
11.4035	7.2205	-1.64	9.43331	13.98919	1.411	1.816
11.4035	7.2205	-1.64	10.00658	16.09305	1.658	2.186
11.4035	7.2205	-1.64	8.03819	19.66219	1.14	2.446
11.4035	7.2205	-1.64	6.93818	11.4067	1.365	1.326
11.4035	7.2205	-1.64	13.56499	12.2826	1.284	2.346
10.4685	7.5315	-0.85	7.27165	15.00393	1.531	1.859
10.4685	7.5315	-0.85	9.43331	13.98919	1.411	1.939
10.4685	7.5315	-0.85	8.03819	19.66219	1.14	2.569
10.4685	7.5315	-0.85	6.93818	11.4067	1.365	1.469

10.4685	7.5315	-0.85	13.56499	12.2826	1.284	2.539
8.1185	6.1115	-0.66	7.27165	15.00393	1.531	2.375
8.1185	6.1115	-0.66	9.43331	13.98919	1.411	2.565
8.1185	6.1115	-0.66	6.93818	11.4067	1.365	1.835
7.6885	8.0985	-1.55	7.27165	15.00393	1.531	2.122
7.6885	8.0985	-1.55	9.43331	13.98919	1.411	2.322
7.6885	8.0985	-1.55	8.03819	19.66219	1.14	2.652
7.6885	8.0985	-1.55	6.93818	11.4067	1.365	1.832
9.7995	7.2975	-3.84	7.27165	15.00393	1.531	1.869
9.7995	7.2975	-3.84	9.43331	13.98919	1.411	2.079
9.7995	7.2975	-3.84	8.03819	19.66219	1.14	2.459
9.7995	7.2975	-3.84	6.93818	11.4067	1.365	1.579
16.9525	12.8975	-0.15	7.27165	15.00393	1.531	0.698
16.9525	12.8975	-0.15	9.43331	13.98919	1.411	0.528
16.9525	12.8975	-0.15	8.03819	19.66219	1.14	1.348
16.9525	12.8975	-0.15	6.93818	11.4067	1.365	1.148
16.9525	12.8975	-0.15	13.56499	12.2826	1.284	1.538
16.8305	12.9775	-0.1	7.27165	15.00393	1.531	0.690
16.8305	12.9775	-0.1	9.43331	13.98919	1.411	0.520
16.8305	12.9775	-0.1	8.03819	19.66219	1.14	1.330
16.8305	12.9775	-0.1	6.93818	11.4067	1.365	1.150
16.8305	12.9775	-0.1	13.56499	12.2826	1.284	1.600
16.8755	12.8655	-0.24	7.27165	15.00393	1.531	0.703
16.8755	12.8655	-0.24	9.43331	13.98919	1.411	0.533
16.8755	12.8655	-0.24	8.03819	19.66219	1.14	1.343
16.8755	12.8655	-0.24	6.93818	11.4067	1.365	1.163
16.8755	12.8655	-0.24	13.56499	12.2826	1.284	1.553
16.8925	13.2675	0.61	7.27165	15.00393	1.531	0.599
16.8925	13.2675	0.61	9.43331	13.98919	1.411	0.539
16.8925	13.2675	0.61	8.03819	19.66219	1.14	1.369
16.8925	13.2675	0.61	6.93818	11.4067	1.365	1.399
16.8925	13.2675	0.61	13.56499	12.2826	1.284	1.629
16.9245	12.8985	-0.28	7.27165	15.00393	1.531	0.701
16.9245	12.8985	-0.28	9.43331	13.98919	1.411	0.531
16.9245	12.8985	-0.28	8.03819	19.66219	1.14	1.341
16.9245	12.8985	-0.28	6.93818	11.4067	1.365	1.171
16.9245	12.8985	-0.28	13.56499	12.2826	1.284	1.531
16.8165	13.1375	0.31	7.27165	15.00393	1.531	0.643
16.8165	13.1375	0.31	9.43331	13.98919	1.411	0.503
16.8165	13.1375	0.31	8.03819	19.66219	1.14	1.333
16.8165	13.1375	0.31	6.93818	11.4067	1.365	1.293

16.8165	13.1375	0.31	13.56499	12.2826	1.284	1.713
17.0195	13.0155	0.29	7.27165	15.00393	1.531	0.658
17.0195	13.0155	0.29	9.43331	13.98919	1.411	0.488
17.0195	13.0155	0.29	8.03819	19.66219	1.14	1.408
17.0195	13.0155	0.29	6.93818	11.4067	1.365	1.268
17.0195	13.0155	0.29	13.56499	12.2826	1.284	1.558
2.4065	12.0865	-3.9	7.27165	15.00393	1.531	3.149
2.4065	12.0865	-3.9	8.03819	19.66219	1.14	2.719
2.4065	12.0865	-3.9	6.93818	11.4067	1.365	2.529
2.4065	12.0865	-3.9	13.56499	12.2826	1.284	3.789
13.2585	5.1725	-1.29	7.27165	15.00393	1.531	1.960
13.2585	5.1725	-1.29	8.03819	19.66219	1.14	2.730
13.2585	5.1725	-1.29	6.93818	11.4067	1.365	1.360
13.2585	5.1725	-1.29	13.56499	12.2826	1.284	2.200
11.4995	9.2235	0.01	7.27165	15.00393	1.531	1.607
11.4995	9.2235	0.01	8.03819	19.66219	1.14	2.317
11.4995	9.2235	0.01	6.93818	11.4067	1.365	1.097
11.4995	9.2235	0.01	13.56499	12.2826	1.284	2.467
20.0445	13.8995	-1.35	7.27165	15.00393	1.531	1.391
20.0445	13.8995	-1.35	9.43331	13.98919	1.411	1.061
20.0445	13.8995	-1.35	8.03819	19.66219	1.14	1.421
20.0445	13.8995	-1.35	13.56499	12.2826	1.284	1.181
11.4095	9.3635	-1.06	7.27165	15.00393	1.531	1.470
11.4095	9.3635	-1.06	9.43331	13.98919	1.411	1.720
11.4095	9.3635	-1.06	10.00658	16.09305	1.658	1.970
11.4095	9.3635	-1.06	8.03819	19.66219	1.14	2.220
11.4095	9.3635	-1.06	6.93818	11.4067	1.365	1.150
11.4095	9.3635	-1.06	13.56499	12.2826	1.284	2.310
5.0085	8.4585	-4.44	7.27165	15.00393	1.531	2.412
5.0085	8.4585	-4.44	9.43331	13.98919	1.411	2.592
5.0085	8.4585	-4.44	8.03819	19.66219	1.14	2.782
5.0085	8.4585	-4.44	13.56499	12.2826	1.284	3.132
3.7205	1.3445	-3.9	7.27165	15.00393	1.531	3.105
3.7205	1.3445	-3.9	9.43331	13.98919	1.411	3.265
3.7205	1.3445	-3.9	8.03819	19.66219	1.14	3.595
3.7205	1.3445	-3.9	6.93818	11.4067	1.365	2.685
3.7205	1.3445	-3.9	13.56499	12.2826	1.284	3.555
6.6495	9.6045	-3.91	7.27165	15.00393	1.531	2.110
6.6495	9.6045	-3.91	9.43331	13.98919	1.411	2.400
6.6495	9.6045	-3.91	8.03819	19.66219	1.14	2.510
6.6495	9.6045	-3.91	6.93818	11.4067	1.365	1.990

6.6495	9.6045	-3.91	13.56499	12.2826	1.284	2.850
10.1665	8.3895	-0.07	7.27165	15.00393	1.531	1.919
10.1665	8.3895	-0.07	9.43331	13.98919	1.411	2.129
10.1665	8.3895	-0.07	8.03819	19.66219	1.14	2.549
10.1665	8.3895	-0.07	6.93818	11.4067	1.365	1.469
28.3015	4.7705	-0.91	7.27165	15.10393	1.531	4.436
28.3015	4.7705	-0.91	9.43331	14.08919	1.411	4.146
28.3015	4.7705	-0.91	10.00658	16.19305	1.658	4.416
28.3015	4.7705	-0.91	8.03819	19.76219	1.14	4.776
28.3015	4.7705	-0.91	6.93818	11.5067	1.365	4.046
28.3015	4.7705	-0.91	13.56499	12.3826	1.284	3.636
16.8145	26.0635	-1.29	7.27165	15.10393	1.531	0.870
16.8145	26.0635	-1.29	9.43331	14.08919	1.411	0.880
16.8145	26.0635	-1.29	6.93818	11.5067	1.365	1.360
16.8145	26.0635	-1.29	13.56499	12.3826	1.284	1.540
18.9495	13.6385	-4.62	7.27165	15.10393	1.531	2.545
18.9495	13.6385	-4.62	9.43331	14.08919	1.411	2.305
18.9495	13.6385	-4.62	8.03819	19.76219	1.14	2.965
18.9495	13.6385	-4.62	6.93818	11.5067	1.365	2.075
18.9495	13.6385	-4.62	13.56499	12.3826	1.284	2.095
1.7765	13.2765	-3.9	7.27165	15.10393	1.531	3.346
1.7765	13.2765	-3.9	9.43331	14.08919	1.411	3.436
1.7765	13.2765	-3.9	8.03819	19.76219	1.14	3.706
1.7765	13.2765	-3.9	6.93818	11.5067	1.365	2.976
1.7765	13.2765	-3.9	13.56499	12.3826	1.284	3.746
0.7385	7.0045	-0.48	9.43331	14.08919	1.411	4.433
0.7385	7.0045	-0.48	6.93818	11.5067	1.365	3.953
0.7385	7.0045	-0.48	13.56499	12.3826	1.284	4.653
15.5715	26.5945	0.46	9.43331	14.08919	1.411	1.018
15.5715	26.5945	0.46	6.93818	11.5067	1.365	1.528
15.5715	26.5945	0.46	13.56499	12.3826	1.284	2.018
12.2735	14.8805	-1.65	7.27165	15.10393	1.531	2.402
12.2735	14.8805	-1.65	9.43331	14.08919	1.411	2.332
12.2735	14.8805	-1.65	6.93818	11.5067	1.365	1.772
12.2735	14.8805	-1.65	13.56499	12.3826	1.284	2.512
10.1795	23.6115	-2.04	7.27165	15.10393	1.531	1.501
10.1795	23.6115	-2.04	9.43331	14.08919	1.411	1.781
10.1795	23.6115	-2.04	8.03819	19.76219	1.14	1.921
10.1795	23.6115	-2.04	6.93818	11.5067	1.365	1.441
6.4645	16.7805	-3.53	7.27165	15.10393	1.531	2.562
6.4645	16.7805	-3.53	6.93818	11.5067	1.365	2.142

12.7775	26.1115	-3.14	7.27165	15.10393	1.531	1.202
12.7775	26.1115	-3.14	9.43331	14.08919	1.411	1.452
12.7775	26.1115	-3.14	8.03819	19.76219	1.14	1.372
16.7285	21.7145	-2.12	7.27165	15.10393	1.531	1.253
16.7285	21.7145	-2.12	9.43331	14.08919	1.411	1.053
16.7285	21.7145	-2.12	8.03819	19.76219	1.14	1.853
16.7285	21.7145	-2.12	13.56499	12.3826	1.284	1.353
12.5315	26.5675	-1.27	7.27165	15.10393	1.531	1.069
12.5315	26.5675	-1.27	9.43331	14.08919	1.411	1.489
12.5315	26.5675	-1.27	8.03819	19.76219	1.14	1.309
12.5315	26.5675	-1.27	13.56499	12.3826	1.284	2.239
3.7185	11.0225	0.34	7.27165	15.10393	1.531	3.924
3.7185	11.0225	0.34	8.03819	19.76219	1.14	4.414
3.7185	11.0225	0.34	6.93818	11.5067	1.365	3.424
3.7185	11.0225	0.34	13.56499	12.3826	1.284	4.284
6.7695	5.7045	-2.56	7.27165	15.10393	1.531	3.871
6.7695	5.7045	-2.56	8.03819	19.76219	1.14	4.311
6.7695	5.7045	-2.56	6.93818	11.5067	1.365	3.361
6.7695	5.7045	-2.56	13.56499	12.3826	1.284	3.921
24.2755	29.2615	-4.55	7.27165	15.10393	1.531	2.275
24.2755	29.2615	-4.55	8.03819	19.76219	1.14	1.905
24.2755	29.2615	-4.55	6.93818	11.5067	1.365	2.465
24.2755	29.2615	-4.55	13.56499	12.3826	1.284	1.805
10.2255	18.2685	0.57	7.27165	15.10393	1.531	2.367
10.2255	18.2685	0.57	9.43331	14.08919	1.411	2.467
10.2255	18.2685	0.57	8.03819	19.76219	1.14	3.007
10.2255	18.2685	0.57	6.93818	11.5067	1.365	1.747
10.2255	18.2685	0.57	13.56499	12.3826	1.284	2.917
5.2185	18.6995	-3.86	7.27165	15.10393	1.531	2.523
5.2185	18.6995	-3.86	9.43331	14.08919	1.411	2.713
5.2185	18.6995	-3.86	8.03819	19.76219	1.14	2.923
5.2185	18.6995	-3.86	13.56499	12.3826	1.284	3.123
15.2355	15.6255	0.58	7.27165	15.10393	1.531	2.539
15.2355	15.6255	0.58	9.43331	14.08919	1.411	2.409
15.2355	15.6255	0.58	8.03819	19.76219	1.14	3.189
15.2355	15.6255	0.58	13.56499	12.3826	1.284	2.439
16.4275	19.1275	-3.75	7.27165	15.10393	1.531	1.700
16.4275	19.1275	-3.75	9.43331	14.08919	1.411	1.520
16.4275	19.1275	-3.75	8.03819	19.76219	1.14	2.230
16.4275	19.1275	-3.75	13.56499	12.3826	1.284	1.610
19.5585	26.4265	0	7.27165	15.10393	1.531	1.350

19.5585	26.4265	0	9.43331	14.08919	1.411	0.980
19.5585	26.4265	0	8.03819	19.76219	1.14	1.400
19.5585	26.4265	0	6.93818	11.5067	1.365	1.820
19.5585	26.4265	0	13.56499	12.3826	1.284	1.310
8.4545	18.6815	0.54	7.27165	15.10393	1.531	2.530
8.4545	18.6815	0.54	9.43331	14.08919	1.411	2.690
8.4545	18.6815	0.54	8.03819	19.76219	1.14	3.060
8.4545	18.6815	0.54	6.93818	11.5067	1.365	2.040
8.4545	18.6815	0.54	13.56499	12.3826	1.284	3.130
3.3355	13.7735	-3.1	7.27165	15.10393	1.531	3.222
3.3355	13.7735	-3.1	9.43331	14.08919	1.411	3.312
3.3355	13.7735	-3.1	8.03819	19.76219	1.14	3.602
3.3355	13.7735	-3.1	6.93818	11.5067	1.365	2.742
3.3355	13.7735	-3.1	13.56499	12.3826	1.284	3.612
13.5375	8.0525	-0.34	7.27165	15.10393	1.531	3.561
13.5375	8.0525	-0.34	9.43331	14.08919	1.411	3.421
13.5375	8.0525	-0.34	8.03819	19.76219	1.14	4.141
13.5375	8.0525	-0.34	6.93818	11.5067	1.365	2.951
13.5375	8.0525	-0.34	13.56499	12.3826	1.284	3.371
16.2475	24.2475	-0.25	7.27165	15.10393	1.531	0.651
16.2475	24.2475	-0.25	9.43331	14.08919	1.411	0.601
16.2475	24.2475	-0.25	8.03819	19.76219	1.14	1.531
16.2475	24.2475	-0.25	6.93818	11.5067	1.365	0.961
16.2475	24.2475	-0.25	13.56499	12.3826	1.284	1.561
19.2645	17.6065	-3.98	7.27165	15.00393	1.531	2.381
19.2645	17.6065	-3.98	9.43331	13.98919	1.411	2.381
19.2645	17.6065	-3.98	8.03819	19.66219	1.14	2.881
19.2645	17.6065	-3.98	6.93818	11.4067	1.365	1.851
19.2645	17.6065	-3.98	13.56499	12.2826	1.284	2.641
5.0915	23.6795	0.12	7.27165	15.00393	1.531	3.926
5.0915	23.6795	0.12	9.43331	13.98919	1.411	4.206
5.0915	23.6795	0.12	8.03819	19.66219	1.14	4.146
5.0915	23.6795	0.12	6.93818	11.4067	1.365	3.786
7.2025	19.9015	-0.33	7.27165	15.00393	1.531	3.715
7.2025	19.9015	-0.33	9.43331	13.98919	1.411	4.065
7.2025	19.9015	-0.33	8.03819	19.66219	1.14	4.065
7.2025	19.9015	-0.33	6.93818	11.4067	1.365	3.445
7.2025	19.9015	-0.33	13.56499	12.2826	1.284	4.385

A.2 Data gelombang S.

Sumber Gempa (<i>source</i>)			Stasiun Penerima (<i>receiver</i>)			t_{obs}
X_0	Y_0	Z_0	X_1	Y_1	Z_1	
13.8065	6.5975	-0.21	7.27165	15.00393	1.531	1.119
13.8065	6.5975	-0.21	9.43331	13.98919	1.411	1.169
13.8065	6.5975	-0.21	10.00658	16.09305	1.658	1.489
13.8065	6.5975	-0.21	8.03819	19.66219	1.14	2.279
13.8065	6.5975	-0.21	6.93818	11.4067	1.365	1.939
13.8065	6.5975	-0.21	13.56499	12.2826	1.284	2.879
12.3885	6.5805	0.43	7.27165	15.00393	1.531	0.94
12.3885	6.5805	0.43	9.43331	13.98919	1.411	1
12.3885	6.5805	0.43	10.00658	16.09305	1.658	2.04
12.3885	6.5805	0.43	8.03819	19.66219	1.14	2.65
12.3885	6.5805	0.43	6.93818	11.4067	1.365	2.03
12.3885	6.5805	0.43	13.56499	12.2826	1.284	3.12
13.7185	3.2665	-0.28	10.00658	16.09305	1.658	2.632
13.7185	3.2665	-0.28	6.93818	11.4067	1.365	1.142
13.7185	3.2665	-0.28	13.56499	12.2826	1.284	2.582
15.0805	8.9445	0.25	7.27165	15.00393	1.531	1.747
15.0805	8.9445	0.25	9.43331	13.98919	1.411	1.767
15.0805	8.9445	0.25	8.03819	19.66219	1.14	1.587
15.0805	8.9445	0.25	6.93818	11.4067	1.365	2.907
12.0915	8.2215	-0.73	7.27165	15.00393	1.531	1.32
12.0915	8.2215	-0.73	9.43331	13.98919	1.411	1.98
12.0915	8.2215	-0.73	10.00658	16.09305	1.658	2.1
12.0915	8.2215	-0.73	8.03819	19.66219	1.14	1.93
12.0915	8.2215	-0.73	13.56499	12.2826	1.284	3.36
13.5215	8.4485	0.26	7.27165	15.00393	1.531	1.285
13.5215	8.4485	0.26	9.43331	13.98919	1.411	1.625
13.5215	8.4485	0.26	10.00658	16.09305	1.658	1.515
13.5215	8.4485	0.26	13.56499	12.2826	1.284	1.965
11.5305	8.5535	0.28	7.27165	15.00393	1.531	1.386
11.5305	8.5535	0.28	9.43331	13.98919	1.411	2.276
11.5305	8.5535	0.28	8.03819	19.66219	1.14	1.906
11.5305	8.5535	0.28	13.56499	12.2826	1.284	3.856

19.5645	11.1585	-3.89	7.27165	15.00393	1.531	3.463
19.5645	11.1585	-3.89	8.03819	19.66219	1.14	2.633
19.5645	11.1585	-3.89	6.93818	11.4067	1.365	3.773
19.5645	11.1585	-3.89	13.56499	12.2826	1.284	3.313
11.9575	7.0655	-0.74	7.27165	15.00393	1.531	1.211
11.9575	7.0655	-0.74	9.43331	13.98919	1.411	1.861
11.9575	7.0655	-0.74	8.03819	19.66219	1.14	2.231
11.9575	7.0655	-0.74	13.56499	12.2826	1.284	3.171
11.8545	7.3785	-0.77	7.27165	15.00393	1.531	1.229
11.8545	7.3785	-0.77	9.43331	13.98919	1.411	1.889
11.8545	7.3785	-0.77	8.03819	19.66219	1.14	2.209
13.1405	8.5835	-0.32	7.27165	15.00393	1.531	1.281
13.1405	8.5835	-0.32	9.43331	13.98919	1.411	1.681
13.1405	8.5835	-0.32	10.00658	16.09305	1.658	1.611
13.1405	8.5835	-0.32	13.56499	12.2826	1.284	3.121
16.2155	0.2105	0.26	7.27165	15.00393	1.531	3.486
16.2155	0.2105	0.26	9.43331	13.98919	1.411	3.136
16.2155	0.2105	0.26	8.03819	19.66219	1.14	4.706
16.2155	0.2105	0.26	6.93818	11.4067	1.365	2.316
16.2155	0.2105	0.26	13.56499	12.2826	1.284	2.116
22.8295	6.7535	-0.26	7.27165	15.00393	1.531	3.871
22.8295	6.7535	-0.26	9.43331	13.98919	1.411	3.561
22.8295	6.7535	-0.26	6.93818	11.4067	1.365	4.191
22.8295	6.7535	-0.26	13.56499	12.2826	1.284	2.151
11.4035	7.2205	-1.64	7.27165	15.00393	1.531	3.116
11.4035	7.2205	-1.64	9.43331	13.98919	1.411	3.176
11.4035	7.2205	-1.64	10.00658	16.09305	1.658	3.816
11.4035	7.2205	-1.64	8.03819	19.66219	1.14	4.136
11.4035	7.2205	-1.64	6.93818	11.4067	1.365	2.226
11.4035	7.2205	-1.64	13.56499	12.2826	1.284	3.966
10.4685	7.5315	-0.85	7.27165	15.00393	1.531	3.239
10.4685	7.5315	-0.85	9.43331	13.98919	1.411	3.549
10.4685	7.5315	-0.85	8.03819	19.66219	1.14	4.399
10.4685	7.5315	-0.85	6.93818	11.4067	1.365	2.489
10.4685	7.5315	-0.85	13.56499	12.2826	1.284	4.279
8.1185	6.1115	-0.66	7.27165	15.00393	1.531	4.065
8.1185	6.1115	-0.66	9.43331	13.98919	1.411	4.375
8.1185	6.1115	-0.66	6.93818	11.4067	1.365	3.365
7.6885	8.0985	-1.55	7.27165	15.00393	1.531	3.722
7.6885	8.0985	-1.55	9.43331	13.98919	1.411	4.032
7.6885	8.0985	-1.55	8.03819	19.66219	1.14	4.542

7.6885	8.0985	-1.55	6.93818	11.4067	1.365	3.022
9.7995	7.2975	-3.84	7.27165	15.00393	1.531	3.349
9.7995	7.2975	-3.84	9.43331	13.98919	1.411	3.469
9.7995	7.2975	-3.84	8.03819	19.66219	1.14	4.249
9.7995	7.2975	-3.84	6.93818	11.4067	1.365	2.739
16.9525	12.8975	-0.15	7.27165	15.00393	1.531	1.278
16.9525	12.8975	-0.15	9.43331	13.98919	1.411	1.078
16.9525	12.8975	-0.15	8.03819	19.66219	1.14	2.358
16.9525	12.8975	-0.15	6.93818	11.4067	1.365	2.068
16.9525	12.8975	-0.15	13.56499	12.2826	1.284	2.618
16.8305	12.9775	-0.1	7.27165	15.00393	1.531	1.2
16.8305	12.9775	-0.1	9.43331	13.98919	1.411	1.06
16.8305	12.9775	-0.1	8.03819	19.66219	1.14	2.29
16.8305	12.9775	-0.1	6.93818	11.4067	1.365	2.16
16.8305	12.9775	-0.1	13.56499	12.2826	1.284	2.69
16.8755	12.8655	-0.24	7.27165	15.00393	1.531	1.283
16.8755	12.8655	-0.24	9.43331	13.98919	1.411	1.073
16.8755	12.8655	-0.24	8.03819	19.66219	1.14	2.353
16.8755	12.8655	-0.24	6.93818	11.4067	1.365	2.063
16.8755	12.8655	-0.24	13.56499	12.2826	1.284	2.553
16.8925	13.2675	0.61	7.27165	15.00393	1.531	1.291
16.8925	13.2675	0.61	9.43331	13.98919	1.411	1.101
16.8925	13.2675	0.61	8.03819	19.66219	1.14	2.271
16.8925	13.2675	0.61	6.93818	11.4067	1.365	2.071
16.8925	13.2675	0.61	13.56499	12.2826	1.284	2.711
16.9245	12.8985	-0.28	7.27165	15.00393	1.531	1.163
16.9245	12.8985	-0.28	9.43331	13.98919	1.411	1.013
16.9245	12.8985	-0.28	8.03819	19.66219	1.14	2.243
16.9245	12.8985	-0.28	6.93818	11.4067	1.365	2.133
16.9245	12.8985	-0.28	13.56499	12.2826	1.284	2.743
16.8165	13.1375	0.31	7.27165	15.00393	1.531	1.268
16.8165	13.1375	0.31	9.43331	13.98919	1.411	0.948
16.8165	13.1375	0.31	8.03819	19.66219	1.14	2.298
16.8165	13.1375	0.31	6.93818	11.4067	1.365	2.158
16.8165	13.1375	0.31	13.56499	12.2826	1.284	2.778
17.0195	13.0155	0.29	7.27165	15.00393	1.531	4.449
17.0195	13.0155	0.29	9.43331	13.98919	1.411	5.059
17.0195	13.0155	0.29	8.03819	19.66219	1.14	4.089
17.0195	13.0155	0.29	6.93818	11.4067	1.365	6.039
17.0195	13.0155	0.29	13.56499	12.2826	1.284	3.36
2.4065	12.0865	-3.9	7.27165	15.00393	1.531	4.49

2.4065	12.0865	-3.9	8.03819	19.66219	1.14	2.3
2.4065	12.0865	-3.9	6.93818	11.4067	1.365	3.72
2.4065	12.0865	-3.9	13.56499	12.2826	1.284	2.717
13.2585	5.1725	-1.29	7.27165	15.00393	1.531	4.047
13.2585	5.1725	-1.29	8.03819	19.66219	1.14	1.957
13.2585	5.1725	-1.29	6.93818	11.4067	1.365	4.127
13.2585	5.1725	-1.29	13.56499	12.2826	1.284	2.421
11.4995	9.2235	0.01	7.27165	15.00393	1.531	1.931
11.4995	9.2235	0.01	8.03819	19.66219	1.14	2.371
11.4995	9.2235	0.01	6.93818	11.4067	1.365	2.111
11.4995	9.2235	0.01	13.56499	12.2826	1.284	2.64
20.0445	13.8995	-1.35	7.27165	15.00393	1.531	2.94
20.0445	13.8995	-1.35	9.43331	13.98919	1.411	3.55
20.0445	13.8995	-1.35	8.03819	19.66219	1.14	3.72
20.0445	13.8995	-1.35	13.56499	12.2826	1.284	1.98
11.4095	9.3635	-1.06	7.27165	15.00393	1.531	4.03
11.4095	9.3635	-1.06	9.43331	13.98919	1.411	4.302
11.4095	9.3635	-1.06	10.00658	16.09305	1.658	4.492
11.4095	9.3635	-1.06	8.03819	19.66219	1.14	4.702
11.4095	9.3635	-1.06	6.93818	11.4067	1.365	5.312
11.4095	9.3635	-1.06	13.56499	12.2826	1.284	5.355
5.0085	8.4585	-4.44	7.27165	15.00393	1.531	5.605
5.0085	8.4585	-4.44	9.43331	13.98919	1.411	6.095
5.0085	8.4585	-4.44	8.03819	19.66219	1.14	4.695
5.0085	8.4585	-4.44	13.56499	12.2826	1.284	6.015
3.7205	1.3445	-3.9	7.27165	15.00393	1.531	3.77
3.7205	1.3445	-3.9	9.43331	13.98919	1.411	4.02
3.7205	1.3445	-3.9	8.03819	19.66219	1.14	4.35
3.7205	1.3445	-3.9	6.93818	11.4067	1.365	3.35
3.7205	1.3445	-3.9	13.56499	12.2826	1.284	5.03
6.6495	9.6045	-3.91	7.27165	15.00393	1.531	3.319
6.6495	9.6045	-3.91	9.43331	13.98919	1.411	3.719
6.6495	9.6045	-3.91	8.03819	19.66219	1.14	4.379
6.6495	9.6045	-3.91	6.93818	11.4067	1.365	2.509
6.6495	9.6045	-3.91	13.56499	12.2826	1.284	7.626
10.1665	8.3895	-0.07	7.27165	15.00393	1.531	7.146
10.1665	8.3895	-0.07	9.43331	13.98919	1.411	7.616
10.1665	8.3895	-0.07	8.03819	19.66219	1.14	8.216
10.1665	8.3895	-0.07	6.93818	11.4067	1.365	6.946
28.3015	4.7705	-0.91	7.27165	15.10393	1.531	6.266
28.3015	4.7705	-0.91	9.43331	14.08919	1.411	1.49

28.3015	4.7705	-0.91	10.00658	16.19305	1.658	1.49
28.3015	4.7705	-0.91	8.03819	19.76219	1.14	2.34
28.3015	4.7705	-0.91	6.93818	11.5067	1.365	2.64
28.3015	4.7705	-0.91	13.56499	12.3826	1.284	4.385
16.8145	26.0635	-1.29	7.27165	15.10393	1.531	3.995
16.8145	26.0635	-1.29	9.43331	14.08919	1.411	5.105
16.8145	26.0635	-1.29	6.93818	11.5067	1.365	3.565
16.8145	26.0635	-1.29	13.56499	12.3826	1.284	3.615
18.9495	13.6385	-4.62	7.27165	15.10393	1.531	5.736
18.9495	13.6385	-4.62	9.43331	14.08919	1.411	5.926
18.9495	13.6385	-4.62	8.03819	19.76219	1.14	6.376
18.9495	13.6385	-4.62	6.93818	11.5067	1.365	5.116
18.9495	13.6385	-4.62	13.56499	12.3826	1.284	6.446
1.7765	13.2765	-3.9	7.27165	15.10393	1.531	7.653
1.7765	13.2765	-3.9	9.43331	14.08919	1.411	6.793
1.7765	13.2765	-3.9	8.03819	19.76219	1.14	7.993
1.7765	13.2765	-3.9	6.93818	11.5067	1.365	1.768
1.7765	13.2765	-3.9	13.56499	12.3826	1.284	2.608
0.7385	7.0045	-0.48	9.43331	14.08919	1.411	3.498
0.7385	7.0045	-0.48	6.93818	11.5067	1.365	4.112
0.7385	7.0045	-0.48	13.56499	12.3826	1.284	4.022
15.5715	26.5945	0.46	9.43331	14.08919	1.411	3.062
15.5715	26.5945	0.46	6.93818	11.5067	1.365	4.332
15.5715	26.5945	0.46	13.56499	12.3826	1.284	2.591
12.2735	14.8805	-1.65	7.27165	15.10393	1.531	3.101
12.2735	14.8805	-1.65	9.43331	14.08919	1.411	3.311
12.2735	14.8805	-1.65	6.93818	11.5067	1.365	2.461
12.2735	14.8805	-1.65	13.56499	12.3826	1.284	2.072
10.1795	23.6115	-2.04	7.27165	15.10393	1.531	2.512
10.1795	23.6115	-2.04	9.43331	14.08919	1.411	2.352
10.1795	23.6115	-2.04	8.03819	19.76219	1.14	2.173
10.1795	23.6115	-2.04	6.93818	11.5067	1.365	1.803
6.4645	16.7805	-3.53	7.27165	15.10393	1.531	3.183
6.4645	16.7805	-3.53	6.93818	11.5067	1.365	2.353
12.7775	26.1115	-3.14	7.27165	15.10393	1.531	1.879
12.7775	26.1115	-3.14	9.43331	14.08919	1.411	2.559
12.7775	26.1115	-3.14	8.03819	19.76219	1.14	2.259
16.7285	21.7145	-2.12	7.27165	15.10393	1.531	3.809
16.7285	21.7145	-2.12	9.43331	14.08919	1.411	6.694
16.7285	21.7145	-2.12	8.03819	19.76219	1.14	7.574
16.7285	21.7145	-2.12	13.56499	12.3826	1.284	5.864

12.5315	26.5675	-1.27	7.27165	15.10393	1.531	7.334
12.5315	26.5675	-1.27	9.43331	14.08919	1.411	6.641
12.5315	26.5675	-1.27	8.03819	19.76219	1.14	7.421
12.5315	26.5675	-1.27	13.56499	12.3826	1.284	5.781
3.7185	11.0225	0.34	7.27165	15.10393	1.531	6.751
3.7185	11.0225	0.34	8.03819	19.76219	1.14	2.753
3.7185	11.0225	0.34	6.93818	11.5067	1.365	2.543
3.7185	11.0225	0.34	13.56499	12.3826	1.284	3.643
6.7695	5.7045	-2.56	7.27165	15.10393	1.531	3.845
6.7695	5.7045	-2.56	8.03819	19.76219	1.14	3.265
6.7695	5.7045	-2.56	6.93818	11.5067	1.365	4.295
6.7695	5.7045	-2.56	13.56499	12.3826	1.284	3.115
24.2755	29.2615	-4.55	7.27165	15.10393	1.531	4.383
24.2755	29.2615	-4.55	8.03819	19.76219	1.14	4.683
24.2755	29.2615	-4.55	6.93818	11.5067	1.365	5.013
24.2755	29.2615	-4.55	13.56499	12.3826	1.284	5.343
10.2255	18.2685	0.57	7.27165	15.10393	1.531	2.91
10.2255	18.2685	0.57	9.43331	14.08919	1.411	2.62
10.2255	18.2685	0.57	8.03819	19.76219	1.14	3.85
10.2255	18.2685	0.57	6.93818	11.5067	1.365	2.78
10.2255	18.2685	0.57	13.56499	12.3826	1.284	2.35
5.2185	18.6995	-3.86	7.27165	15.10393	1.531	1.72
5.2185	18.6995	-3.86	9.43331	14.08919	1.411	2.4
5.2185	18.6995	-3.86	8.03819	19.76219	1.14	3.15
5.2185	18.6995	-3.86	13.56499	12.3826	1.284	2.26
15.2355	15.6255	0.58	7.27165	15.10393	1.531	5.532
15.2355	15.6255	0.58	9.43331	14.08919	1.411	5.702
15.2355	15.6255	0.58	8.03819	19.76219	1.14	6.182
15.2355	15.6255	0.58	13.56499	12.3826	1.284	4.782
16.4275	19.1275	-3.75	7.27165	15.10393	1.531	6.202
16.4275	19.1275	-3.75	9.43331	14.08919	1.411	6.101
16.4275	19.1275	-3.75	8.03819	19.76219	1.14	5.891
16.4275	19.1275	-3.75	13.56499	12.3826	1.284	7.121
19.5585	26.4265	0	7.27165	15.10393	1.531	5.081
19.5585	26.4265	0	9.43331	14.08919	1.411	5.791
19.5585	26.4265	0	8.03819	19.76219	1.14	1.161
19.5585	26.4265	0	6.93818	11.5067	1.365	1.051
19.5585	26.4265	0	13.56499	12.3826	1.284	2.661
8.4545	18.6815	0.54	7.27165	15.10393	1.531	1.641
8.4545	18.6815	0.54	9.43331	14.08919	1.411	2.681
8.4545	18.6815	0.54	8.03819	19.76219	1.14	4.081

8.4545	18.6815	0.54	6.93818	11.5067	1.365	4.101
8.4545	18.6815	0.54	13.56499	12.3826	1.284	4.991
3.3355	13.7735	-3.1	7.27165	15.10393	1.531	3.211
3.3355	13.7735	-3.1	9.43331	14.08919	1.411	4.511
3.3355	13.7735	-3.1	8.03819	19.76219	1.14	6.776
3.3355	13.7735	-3.1	6.93818	11.5067	1.365	7.246
3.3355	13.7735	-3.1	13.56499	12.3826	1.284	7.136
13.5375	8.0525	-0.34	7.27165	15.10393	1.531	6.506
13.5375	8.0525	-0.34	9.43331	14.08919	1.411	6.415
13.5375	8.0525	-0.34	8.03819	19.76219	1.14	6.755
13.5375	8.0525	-0.34	6.93818	11.5067	1.365	6.965
13.5375	8.0525	-0.34	13.56499	12.3826	1.284	5.945
16.2475	24.2475	-0.25	7.27165	15.10393	1.531	7.535
16.2475	24.2475	-0.25	9.43331	14.08919	1.411	1.733
16.2475	24.2475	-0.25	8.03819	19.76219	1.14	1.903
16.2475	24.2475	-0.25	6.93818	11.5067	1.365	2.403
16.2475	24.2475	-0.25	13.56499	12.3826	1.284	2.753
19.2645	17.6065	-3.98	7.27165	15.00393	1.531	1.307
19.2645	17.6065	-3.98	9.43331	13.98919	1.411	1.937
19.2645	17.6065	-3.98	8.03819	19.66219	1.14	2.307
19.2645	17.6065	-3.98	6.93818	11.4067	1.365	2.007
19.2645	17.6065	-3.98	13.56499	12.2826	1.284	3.317
5.0915	23.6795	0.12	7.27165	15.00393	1.531	7.333
5.0915	23.6795	0.12	9.43331	13.98919	1.411	7.553
5.0915	23.6795	0.12	8.03819	19.66219	1.14	7.903
5.0915	23.6795	0.12	6.93818	11.4067	1.365	6.773
7.2025	19.9015	-0.33	7.27165	15.00393	1.531	8.163
7.2025	19.9015	-0.33	9.43331	13.98919	1.411	1.332
7.2025	19.9015	-0.33	8.03819	19.66219	1.14	1.182
7.2025	19.9015	-0.33	6.93818	11.4067	1.365	2.572
7.2025	19.9015	-0.33	13.56499	12.2826	1.284	2.552

Lampiran B

Model Kecepatan 1D

Tabel di bawah merupakan model kecepatan awal 1D untuk gelombang P (V_p) dan S (V_s) dari sumber (Hilyah A, 2010) dan selanjutnya dimodifikasi oleh penulis untuk disesuaikan dengan penelitian. Untuk penjelasan tentang data ini dapat dilihat pada bab IV.

Tabel B Model kecepatan awal 1D (V_p dan V_s)

Lapisan	Kedalaman (km)	Kedalaman lapisan (km)	Kecepatan gelombang P (km/sec)	Kecepatan gelombang S (km/sec)
1	+1.5	0.5	4.77	2.7
2	+1	0.5	5.12	2.88
3	+0.5	0.5	5.45	3
4	0	0.5	5.75	3.15
5	-1.5	1.5	5.9	3.22
6	-3.5	2	6.05	3.3
7	-5	1.5	6.3	3.35

