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LAMPIRAN 1

1. Pengukuran Gelombang Signifikan

STASIUN 1														
No	U1		H	H/3	U2		H	H/3	H/3	U3		H	H/3	H/3
	Puncak	Lembah			Puncak	Lembah				Puncak	Lembah			
1	85	80	5	10	85	80	5	13	13	90	85	5	15	15
2	83	78	5	10	80	76	4	11	11	75	70	5	14	14
3	85	77	8	9	90	80	10	10	10	80	76	4	13	13
4	85	83	2	8	84	78	6	8	8	85	75	10	10	10
5	84	82	2	8	85	80	5	8	8	80	77	3	10	10
6	86	79	7	8	81	78	3	8	8	82	80	2	10	10
7	85	80	5	7	88	80	8	7	7	85	70	15	10	10
8	87	83	4	7	80	78	2	6	6	85	80	5	8	8
9	89	81	8	6	85	80	5	6	6	81	75	6	8	8
10	86	84	2	5	85	80	5	5	5	88	80	8	8	8
11	82	78	4	5	81	70	11	5	5	90	85	5	7	7
12	80	78	2	7.5455	81	76	5	5	7.9091	90	80	10	6	10.2727
13	81	77	4	5	85	82	3	5		84	80	4	6	
14	88	78	10	5	83	70	13	5		80	76	4	6	
15	85	80	5	5	84	80	4	5		85	78	7	6	
16	86	82	4	4	85	83	2	5		80	79	1	6	
17	85	82	3	4	82	78	4	5		81	80	1	5	
18	84	80	4	4	85	80	5	5		83	70	13	5	
19	84	81	3	4	85	78	7	5		85	80	5	5	
20	82	79	3	4	82	80	2	5		86	80	6	5	
21	84	80	4	4	81	76	5	5		76	70	6	5	
22	85	80	5	4	82	78	4	4		85	79	6	5	
23	86	78	8	4	84	80	4	4		84	79	5	5	
24	85	80	5	3	80	75	5	4		78	70	8	5	
25	84	78	6	3	83	78	5	4		90	80	10	5	
26	85	75	10	3	84	80	4	4		85	80	5	4	

27	85	81	4	3	82	76	6	4	84	70	14	4
28	84	81	3	3	87	84	3	3	85	80	5	4
29	84	82	2	2	85	80	5	3	85	75	10	4
30	86	79	7	2	83	75	8	3	83	79	4	3
31	84	75	9	2	85	80	5	2	80	75	5	2
32	80	77	3	2	85	80	5	2	85	79	6	1
33	87	83	4	2	87	79	8	2	79	71	8	1
rata-rata			4.8485		5.3333				6.3939			

STASIUN 2

No	U1		H	H/3	U2		H	H/3	U3		H	H/3			
	Puncak	Lembah			Puncak	Lembah			Puncak	Lembah					
1	104	96	8	15	15	100	95	5	11	11	97	95	2	28	28
2	103	100	3	10	10	97	94	3	11	11	95	90	5	12	12
3	104	100	4	8	8	105	100	5	10	10	98	96	2	11	11
4	110	95	15	8	8	103	102	1	10	10	100	95	5	8	8
5	96	90	6	8	8	100	95	5	9	9	105	100	5	8	8
6	100	97	3	8	8	90	85	5	8	8	101	95	6	6	6
7	105	100	5	7	7	95	94	1	8	8	95	93	2	6	6
8	103	100	3	7	7	94	93	1	7	7	96	94	2	5	5
9	102	100	2	7	7	111	100	11	7	7	95	93	2	5	5
10	105	98	7	6	6	105	101	4	7	7	100	95	5	5	5
11	100	93	7	6	6	99	95	4	7	7	92	90	2	5	5
12	99	97	2	5	8.1818	100	97	3	6	8.6364	105	97	8	5	9.0000
13	105	100	5	5		105	100	5	6		105	100	5	5	
14	100	97	3	5		102	97	5	5		95	92	3	5	
15	100	97	3	5		100	95	5	5		95	67	28	5	
16	105	100	5	5		90	87	3	5		105	100	5	5	
17	100	97	3	5		95	90	5	5		95	92	3	4	
18	98	93	5	4		93	90	3	5		90	86	4	4	
19	95	91	4	4		94	87	7	5		95	91	4	4	
20	94	90	4	4		98	90	8	5		100	95	5	3	
21	104	100	4	4		99	89	10	5		105	94	11	3	
22	108	100	8	4		100	91	9	5		104	100	4	3	
23	105	100	5	3		108	101	7	5		95	90	5	3	

24	110	108	2	3	95	90	5	4	92	90	2	2		
25	105	100	5	3	93	87	6	4	93	91	2	2		
26	110	100	10	3	100	92	8	4	90	87	3	2		
27	106	100	6	3	97	90	7	3	95	93	2	2		
28	110	109	1	3	95	85	10	3	105	100	5	2		
29	108	100	8	3	94	87	7	3	103	95	8	2		
30	114	110	4	2	95	89	6	3	104	98	6	2		
31	118	115	3	2	90	85	5	1	96	95	1	2		
32	110	103	7	2	95	91	4	1	98	95	3	2		
33	108	100	8	1	106	95	11	1	110	98	12	1		
				5.0909					5.5758					5.0606

STASIUN 3

No	U1		H	H/3	U2		H	H/3	U3		H	H/3			
	Puncak	Lembah			Puncak	Lembah			Puncak	Lembah					
1	85	80	5	25	25	63	56	7	8	8	94	90	4	5	5
2	86	84	2	15	15	60	55	5	8	8	95	92	3	4	4
3	83	80	3	14	14	65	62	3	7	7	94	92	2	4	4
4	80	75	5	10	10	64	63	1	5	5	92	90	2	4	4
5	85	80	5	10	10	65	60	5	5	5	94	92	2	4	4
6	80	70	10	8	8	63	61	2	5	5	93	90	3	4	4
7	75	50	25	7	7	60	56	4	5	5	91	90	1	4	4
8	80	75	5	7	7	61	57	4	5	5	90	86	4	3	3
9	80	70	10	6	6	63	55	8	5	5	91	89	2	3	3
10	75	70	5	6	6	60	55	5	5	5	90	88	2	3	3
11	75	73	2	6	6	65	63	2	5	5	95	90	5	3	3
12	80	73	7	6	10.3636	60	59	1	4	5.7273	93	90	3	3	3.7273
13	85	70	15	5		65	60	5	4		95	91	4	3	
14	85	79	6	5		63	60	3	4		90	89	1	3	
15	80	78	2	5		60	58	2	4		93	91	2	2	
16	80	75	5	5		62	58	4	3		93	90	3	2	
17	83	77	6	5		65	60	5	3		95	91	4	2	
18	80	73	7	5		63	60	3	3		94	90	4	2	
19	83	78	5	5		60	57	3	3		92	91	1	2	
20	85	79	6	5		61	58	3	3		93	90	3	2	

21	75	70	5	5	60	57	3	3	91	89	2	2		
22	80	76	4	5	58	55	3	3	93	91	2	2		
23	80	77	3	5	63	58	5	3	95	92	3	2		
24	80	76	4	5	65	60	5	3	92	90	2	2		
25	80	74	6	4	66	61	5	3	94	92	2	2		
26	86	84	2	4	64	62	2	2	91	90	1	2		
27	86	72	14	4	68	60	8	2	93	90	3	2		
28	80	75	5	3	62	59	3	2	92	91	1	1		
29	81	76	5	3	64	60	4	2	90	89	1	1		
30	75	70	5	2	65	63	2	2	91	87	4	1		
31	85	80	5	2	64	61	3	2	93	91	2	1		
32	83	75	8	2	60	58	2	1	92	90	2	1		
33	85	81	4	2	61	58	3	1	90	88	2	1		
				6.2424					3.7273					2.4848

STASIUN 4

No	U1		H	H/3	U2		H	H/3	U3		H	H/3			
	Puncak	Lembah			Puncak	Lembah			Puncak	Lembah					
1	84	78	6	10	10	85	76	9	11	11	83	79	4	9	9
2	83	80	3	9	9	81	77	4	9	9	82	79	3	9	9
3	78	76	2	9	9	80	74	6	7	7	82	77	5	7	7
4	81	75	6	9	9	84	79	5	6	6	78	75	3	7	7
5	82	80	2	8	8	86	80	6	6	6	85	79	6	6	6
6	80	77	3	7	7	82	78	4	6	6	86	81	5	6	6
7	83	76	7	7	7	80	76	4	6	6	83	80	3	5	5
8	84	76	8	6	6	84	78	6	6	6	79	75	4	5	5
9	81	79	2	6	6	78	74	4	5	5	86	81	5	5	5
10	84	75	9	6	6	79	77	2	5	5	84	80	4	5	5
11	79	75	4	6	6	80	76	4	5	5	78	75	3	5	5
12	81	78	3	6	7.5455	81	75	6	5	6.5455	85	81	4	5	6.2727
13	80	74	6	5		79	75	4	4		79	74	5	4	
14	79	77	2	5		84	79	5	4		84	81	3	4	
15	83	79	4	5		80	76	4	4		81	78	3	4	
16	84	80	4	5		83	80	3	4		85	78	7	4	
17	80	75	5	4		85	78	7	4		81	76	5	4	

18	83	81	2	4	85	79	6	4	83	80	3	4		
19	85	79	6	4	81	76	5	4	86	77	9	4		
20	81	75	6	4	85	81	4	4	84	80	4	3		
21	85	80	5	4	79	77	2	4	78	75	3	3		
22	79	77	2	4	80	76	4	4	80	78	2	3		
23	81	78	3	3	82	78	4	4	84	79	5	3		
24	82	78	4	3	82	79	3	4	81	78	3	3		
25	85	76	9	3	80	76	4	4	82	78	4	3		
26	80	75	5	3	81	79	2	4	80	77	3	3		
27	84	80	4	2	84	81	3	3	84	80	4	3		
28	82	75	7	2	86	75	11	3	81	78	3	3		
29	86	76	10	2	82	77	5	3	83	80	3	3		
30	87	83	4	2	84	80	4	3	85	76	9	3		
31	80	78	2	2	82	78	4	2	84	78	6	3		
32	83	78	5	2	80	76	4	2	86	79	7	2		
33	84	75	9	2	81	78	3	2	81	79	2	2		
				4.8182					4.5758					4.3030

2. Pengukuran Kecepatan Arus

STASIUN 1

	Waktu	S	Jarak	Arah	K. Arus (m/s)
Ulangan 1	01'41"	213	5	Barat Daya	0.0495
Ulangan 2	01'31"	221	5	Barat Daya	0.0549
Ulangan 3	01'36"	224	5	Barat Daya	0.0521
					0.0522

STASIUN 2

	Waktu	S	Jarak	Arah	K. Arus (m/s)
Ulangan 1	02'20"	113	5	Tenggara	0.0357
Ulangan 2	02'10"	131	5	Tenggara	0.0385
Ulangan 3	02'15"	144	5	Tenggara	0.0370
					0.0371

STASIUN 3

	Waktu	S	Jarak	Arah	K. Arus (m/s)
Ulangan 1	01'58"	350	5	Utara	0.0424
Ulangan 2	02'10"	339	5	Utara	0.0385
Ulangan 3	02'17"	357	5	Utara	0.0365
					0.0391

STASIUN 4

	Waktu	S	Jarak	Arah	K. Arus (M/S)
Ulangan 1	01'59"	240	5	Barat Daya	0.0420
Ulangan 2	02'15"	251	5	Barat Daya	0.0370
Ulangan 3	02'09"	248	5	Barat Daya	0.0388
					0.0393

3. Data Angin 2022

Tahun	Bulan	Hari	Jam	Arah	Kecepatan
2022	4	1	1	135	2
2022	4	1	2	225	10
2022	4	2	3	135	4
2022	4	2	4	225	15
2022	4	3	5	45	4
2022	4	3	6	135	15

4. Data Angin 2016-2021

Tahun	Bulan	Hari	Jam	Arah	Kecepatan
2016	1	1	1	270	9.9
2016	1	2	2	270	13.5
2016	1	3	3	270	18
2016	2	1	4	315	11.8

2016	2	2	5	270	17.5
2016	2	3	6	315	22.7
2016	3	1	7	315	13.2
2016	3	2	8	315	13.7
2016	3	3	9	315	12.1
2016	4	1	10	270	10.1
2016	4	2	11	270	10.9
2016	4	3	12	270	10
2016	5	1	13	270	11.1
2016	5	2	14	270	12.1
2016	5	3	15	270	12.5
2016	6	1	16	270	11
2016	6	2	17	270	10.3
2016	6	3	18	270	10.3
2016	7	1	19	270	11.1
2016	7	2	20	270	11.2
2016	7	3	21	270	10.1
2016	8	1	22	270	11.4
2016	8	2	23	270	12
2016	8	3	24	225	12
2016	9	1	25	270	15
2016	9	2	26	270	13.6
2016	9	3	27	270	14.6
2016	10	1	28	270	13.1
2016	10	2	29	270	14.2
2016	10	3	30	270	14
2016	11	1	31	270	15.2
2016	11	2	32	225	18.1
2016	11	3	33	270	19
2016	12	1	34	315	23.7
2016	12	2	35	270	26.2
2016	12	3	36	315	29.8
2017	1	1	1	270	28.2
2017	1	2	2	315	22.1
2017	1	3	3	315	25.4
2017	2	1	4	315	34.9
2017	2	2	5	270	23.4
2017	2	3	6	270	17.3
2017	3	1	7	315	20.1
2017	3	2	8	315	14.9
2017	3	3	9	315	14.1
2017	4	1	10	315	17.2
2017	4	2	11	270	14.3
2017	4	3	12	315	11.6
2017	5	1	13	270	13.9

2017	5	2	14	225	10.9
2017	5	3	15	180	11.3
2017	6	1	16	270	11.2
2017	6	2	17	360	12.1
2017	6	3	18	270	12.3
2017	7	1	19	225	11.1
2017	7	2	20	270	11
2017	7	3	21	270	12.2
2017	8	1	22	270	12.8
2017	8	2	23	225	13.9
2017	8	3	24	270	14.3
2017	9	1	25	270	14.8
2017	9	2	26	270	15
2017	9	3	27	270	14.2
2017	10	1	28	225	15.2
2017	10	2	29	360	16.6
2017	10	3	30	225	14.6
2017	11	1	31	225	15.4
2017	11	2	32	315	14
2017	11	3	33	315	18.7
2017	12	1	34	315	17.9
2017	12	2	35	315	18.2
2017	12	3	36	315	17.2
2018	1	1	1	315	14.4
2018	1	2	2	270	17.7
2018	1	3	3	315	22.4
2018	2	1	4	270	19.1
2018	2	2	5	225	18.1
2018	2	3	6	270	16.3
2018	3	1	7	270	16.7
2018	3	2	8	315	16
2018	3	3	9	315	17.5
2018	4	1	10	270	13.3
2018	4	2	11	270	12.3
2018	4	3	12	360	13.9
2018	5	1	13	225	14.4
2018	5	2	14	225	12.8
2018	5	3	15	360	11.5
2018	6	1	16	270	11.3
2018	6	2	17	225	11.4
2018	6	3	18	360	12.3
2018	7	1	19	225	11.4
2018	7	2	20	270	12.3
2018	7	3	21	270	11.9
2018	8	1	22	225	15.3

2018	8	2	23	270	13.2
2018	8	3	24	225	14.3
2018	9	1	25	225	15.4
2018	9	2	26	225	15.3
2018	9	3	27	225	14.9
2018	10	1	28	225	14.8
2018	10	2	29	225	16.2
2018	10	3	30	225	18
2018	11	1	31	225	14.2
2018	11	2	32	225	17.2
2018	11	3	33	315	14.7
2018	12	1	34	270	14.9
2018	12	2	35	360	20.8
2018	12	3	36	270	15.7
2019	1	1	1	270	17
2019	1	2	2	270	20.3
2019	1	3	3	270	25.5
2019	2	1	4	315	18.7
2019	2	2	5	225	15.4
2019	2	3	6	225	12.6
2019	3	1	7	270	14.3
2019	3	2	8	270	19.8
2019	3	3	9	315	14.4
2019	4	1	10	315	12.7
2019	4	2	11	270	12.4
2019	4	3	12	315	14.4
2019	5	1	13	225	14.7
2019	5	2	14	225	12.7
2019	5	3	15	225	12
2019	6	1	16	360	11.1
2019	6	2	17	225	10.8
2019	6	3	18	225	12.3
2019	7	1	19	225	11.1
2019	7	2	20	225	13.2
2019	7	3	21	225	13.2
2019	8	1	22	225	13.3
2019	8	2	23	225	14.8
2019	8	3	24	225	15.5
2019	9	1	25	225	14.7
2019	9	2	26	225	14.8
2019	9	3	27	225	15.2
2019	10	1	28	225	15.1
2019	10	2	29	225	17.4
2019	10	3	30	225	16.9
2019	11	1	31	225	16.7

2019	11	2	32	225	16.2
2019	11	3	33	225	14.6
2019	12	1	34	270	12.9
2019	12	2	35	270	13.5
2019	12	3	36	315	15.1
2020	1	1	1	270	24.6
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2020	1	3	3	270	15.3
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2020	2	2	5	270	15.9
2020	2	3	6	315	18
2020	3	1	7	225	14.1
2020	3	2	8	270	13.1
2020	3	3	9	270	14.1
2020	4	1	10	270	13.3
2020	4	2	11	270	13.7
2020	4	3	12	225	12
2020	5	1	13	225	12.3
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2020	5	3	15	360	13.1
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2020	7	2	20	225	11.9
2020	7	3	21	225	12
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2020	8	2	23	270	14.1
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2020	9	2	26	225	14.3
2020	9	3	27	225	16.4
2020	10	1	28	225	15.8
2020	10	2	29	360	15.5
2020	10	3	30	270	15.6
2020	11	1	31	270	15
2020	11	2	32	225	15.3
2020	11	3	33	315	14.8
2020	12	1	34	270	20.7
2020	12	2	35	315	22.5
2020	12	3	36	270	16.5
2021	1	1	1	270	17.7
2021	1	2	2	315	18.4
2021	1	3	3	315	21
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2021	2	2	5	270	19.9
2021	2	3	6	225	17.1
2021	3	1	7	315	16.6
2021	3	2	8	315	15.4
2021	3	3	9	315	14.1
2021	4	1	10	270	24.8
2021	4	2	11	225	14.4
2021	4	3	12	225	12.9
2021	5	1	13	225	13
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2021	5	3	15	270	11.7
2021	6	1	16	225	12.5
2021	6	2	17	270	13.4
2021	6	3	18	270	13
2021	7	1	19	225	12.5
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2021	7	3	21	225	11.3
2021	8	1	22	225	12.5
2021	8	2	23	270	14.3
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2021	9	2	26	270	14.3
2021	9	3	27	225	13.6
2021	10	1	28	225	16.2
2021	10	2	29	225	14.4
2021	10	3	30	225	14.6
2021	11	1	31	225	13.1
2021	11	2	32	315	18.3
2021	11	3	33	270	16.2
2021	12	1	34	270	16.2
2021	12	2	35	360	14.5
2021	12	3	36	315	19.3

5. Nilai Fetch Efektif

Selatan					
Sudut	Radian	Cos	Xi	XiCos a	Feff
-45	-0.79	0.71	9.77	6.91	155.77
-30	-0.52	0.87	13.01	11.27	
-15	-0.26	0.97	15.09	14.57	
0	0.00	1.00	22.01	22.01	
15	0.26	0.97	206.50	199.46	
30	0.52	0.87	386.65	334.85	
45	0.79	0.71	505.90	357.73	
Barat Daya					
Sudut	Radian	Cos	Xi	XiCos a	Feff
-45	-0.79	0.71	22.01	15.56	263.04
-30	-0.52	0.87	206.50	178.83	
-15	-0.26	0.97	386.65	373.47	
0	0.00	1.00	505.90	505.90	
15	0.26	0.97	439.33	424.36	
30	0.52	0.87	8.81	7.63	
45	0.79	0.71	131.52	93.00	
Barat					
Sudut	Radian	Cos	Xi	XiCos a	Feff
-45	-0.79	0.71	505.90	357.73	200.02
-30	-0.52	0.87	439.33	380.47	
-15	-0.26	0.97	8.81	8.51	
0	0.00	1.00	131.52	131.52	
15	0.26	0.97	6.48	6.26	
30	0.52	0.87	373.36	323.34	
45	0.79	0.71	11.18	7.91	
Barat Laut					
Sudut	Radian	Cos	Xi	XiCos a	Feff
-45	-0.79	0.71	131.52	93.00	82.93
-30	-0.52	0.87	6.48	5.61	
-15	-0.26	0.97	373.36	360.64	
0	0.00	1.00	11.18	11.18	
15	0.26	0.97	5.03	4.86	
30	0.52	0.87	8.07	6.99	
45	0.79	0.71	30.78	21.76	
Utara					
Sudut	Radian	Cos	Xi	XiCos a	Feff
-45	-0.79	0.71	11.18	7.91	18.42
-30	-0.52	0.87	5.03	4.36	
-15	-0.26	0.97	8.07	7.79	
0	0.00	1.00	30.78	30.78	
15	0.26	0.97	22.80	22.02	

30	0.52	0.87	34.95	30.27
45	0.79	0.71	12.52	8.85

6. Pengukuran Pasang Surut

Jam	Puncak	Lembah	H (cm)	Ci	H X Ci	MSL
10.00	235.0	220.0	227.5	1.0	227.5	219.1
11.00	245.0	230.0	237.5	0.0	0.0	219.1
12.00	255.0	235.0	245.0	1.0	245.0	219.1
13.00	265.0	230.0	247.5	0.0	0.0	219.1
14.00	270.0	250.0	260.0	0.0	0.0	219.1
15.00	285.0	250.0	267.5	1.0	267.5	219.1
16.00	280.0	265.0	272.5	0.0	0.0	219.1
17.00	280.0	260.0	270.0	1.0	270.0	219.1
18.00	290.0	255.0	272.5	1.0	272.5	219.1
19.00	300.0	255.0	277.5	0.0	0.0	219.1
20.00	290.0	260.0	275.0	2.0	550.0	219.1
21.00	290.0	245.0	267.5	0.0	0.0	219.1
22.00	255.0	220.0	237.5	1.0	237.5	219.1
23.00	225.0	205.0	215.0	1.0	215.0	219.1
0.00	210.0	195.0	202.5	0.0	0.0	219.1
1.00	190.0	165.0	177.5	2.0	355.0	219.1
2.00	188.0	162.0	175.0	1.0	175.0	219.1
3.00	155.0	152.0	153.5	1.0	153.5	219.1
4.00	153.0	146.0	149.5	2.0	299.0	219.1
5.00	173.0	161.0	167.0	0.0	0.0	219.1
6.00	178.0	171.0	174.5	2.0	349.0	219.1
7.00	180.0	173.0	176.5	1.0	176.5	219.1
8.00	205.0	185.0	195.0	1.0	195.0	219.1
9.00	210.0	190.0	200.0	2.0	400.0	219.1
10.00	220.0	200.0	210.0	0.0	0.0	219.1
11.00	225.0	200.0	212.5	1.0	212.5	219.1
12.00	224.0	204.0	214.0	1.0	214.0	219.1
13.00	225.0	208.0	216.5	0.0	0.0	219.1
14.00	228.0	212.0	220.0	2.0	440.0	219.1
15.00	219.0	208.0	213.5	0.0	0.0	219.1
16.00	225.0	219.0	222.0	1.0	222.0	219.1
17.00	238.0	228.0	233.0	1.0	233.0	219.1
18.00	249.0	235.0	242.0	0.0	0.0	219.1
19.00	256.0	247.0	251.5	1.0	251.5	219.1
20.00	240.0	230.0	235.0	0.0	0.0	219.1
21.00	225.0	219.0	222.0	0.0	0.0	219.1
22.00	216.0	203.0	209.5	1.0	209.5	219.1
23.00	211.0	201.0	206.0	0.0	0.0	219.1
24.00	208.0	196.0	202.0	1.0	202.0	219.1
1.00	205.0	197.0	201.0	1.0	201.0	219.1
2.00	207.0	189.0	198.0	0.0	0.0	219.1

7. Data Batymetri Pulau Samalona

X	Y	Kedalaman
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119.33726432700	-5.13682472741	-27.30390000000
119.33976432700	-5.13682472741	-26.31870000000
119.34226432700	-5.13682472741	-25.68900000000
119.34226432700	-5.13682472741	-26.14750000000
119.34476432700	-5.13682472741	-26.98820000000
119.34726432700	-5.13682472741	-27.19690000000
119.34726432700	-5.13682472741	-26.71440000000
119.34976432700	-5.13682472741	-25.80200000000
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119.35226432700	-5.13682472741	-26.27890000000
119.35476432700	-5.13682472741	-26.49060000000
119.32926432700	-5.13582472741	-29.26780000000
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119.35566432700	-5.11442472741	-33.23610000000

8. Transport Sedimen

mm	ST1				
	Akm	Qb	Qs	Qu	Qt
2	0	0.1307	0.0000	0.0452	0.0161
1	0.0142	0.6360	0.0437	0.0697	0.0854
0.5	0.0437	3.0640	0.5958	0.5042	0.3625
0.25	0.1406	15.8579	3.9536	2.2644	2.0866
0.125	0.1261	6.9533	1.1617	1.6640	0.7736
0.063	0.0088	0.1038	0.0307	0.0310	0.0207
<0.063	0.0184	0.0230	0.0253	0.0119	0.0004
total	0.3517	26.7686	5.8107	4.5904	3.3452

mm	ST2				
	Akm	Qb	Qs	Qu	Qt
2	0	0.6751	0.2310	0.6533	0.8272
1	0.0100	1.3065	0.9985	1.5954	1.4046
0.5	0.0609	2.0605	2.0701	2.8529	2.7421
0.25	0.0808	1.4525	1.3567	2.0023	1.8816

0.125	0.0613	0.9590	0.7460	1.1349	0.9870
0.063	0.0126	0.0663	0.0674	0.1000	0.0973
<0.063	0.0004	0.0230	0.0184	0.0134	0.0088
total	0.2261	6.5429	5.4881	8.3521	7.9487

mm	ST3				
	Akm	Qb	Qs	Qu	Qt
2	0	0.8452	0.8192	0.0034	0.0184
1	0.0080	1.8437	1.8755	0.0157	0.0874
0.5	0.0372	2.6805	2.3023	0.0893	0.0839
0.25	0.0253	0.7464	0.5648	0.0747	0.0693
0.125	0.0326	0.1280	0.1077	0.0464	0.0513
0.063	0.0238	0.0314	0.0264	0.0264	0.0287
<0.063	0.0134	0.0188	0.0069	0.0069	0.0218
total	0.1402	6.2939	5.7027	0.2628	0.3609

mm	ST4				
	Akm	Qb	Qs	Qu	Qt
2	0	0.0054	0.0065	0.0000	0.0023
1	0	0.0241	0.0406	0.0414	0.0322
0.5	0.0383	0.2958	0.2069	0.2908	0.2107
0.25	0.0433	2.3571	0.9529	1.2751	1.0785
0.125	0.0586	2.2023	0.7356	0.8854	0.9188
0.063	0.0444	0.0287	0.0218	0.0268	0.0307
<0.063	0.0046	0.0203	0.0287	0.0019	0.0176
total	0.1893	4.9337	1.9931	2.5215	2.2908

9. Pasang surut dan tinggi gelombang 2016-2021



BADAN METEOROLOGI, KLIMATOLOGI, DAN GEOFISIKA
STASIUN METEOROLOGI MARITIM PAOTERE MAKASSAR
 Jln. Sabutung 1 No. 30 Makassar 90163
 Telp : (0411) 3619242 Fax : (0411) 3628235
 Email : stamar.paotere@bmgk.go.id, meteo_marptr@yahoo.co.id

Rata-Rata Tinggi Gelombang Bulanan Tahun 2016 – 2021
 di Perairan Spermonde Makassar

Bulan	Tinggi Gelombang (Meter)					
	Tahun					
	2016	2017	2018	2019	2020	2021
Januari	1,1	2,1	2,1	3,6	2,1	2,4
Februari	1,6	2,8	1,1	1,6	1,7	2,4
Maret	0,9	1,4	1,4	1,9	1,2	1,5
April	1,2	1,3	1,3	1,8	1,5	2,5
Mei	1,3	1,2	2,0	1,8	1,6	1,9
Juni	1,3	1,4	1,2	1,9	2,2	1,6
Juli	1,3	1,8	1,9	1,9	1,8	2,1
Agustus	1,3	1,4	1,6	2,3	1,9	2,0
September	1,4	1,4	1,9	1,8	1,9	1,8
Oktober	1,3	1,3	1,8	1,7	1,2	1,4
November	1,3	1,3	1,3	1,3	1,3	1,3
Desember	2,1	1,7	2,1	1,3	2,3	3,0

Rata-Rata Tinggi Pasang-Surut Bulanan Tahun 2017 – 2021
 di Perairan Spermonde Makassar

Bulan	Tinggi Pasang-Surut (Meter)				
	Tahun				
	2017	2018	2019	2020	2021
Januari	0,900	0,901	0,899	0,899	0,901
Februari	0,899	0,899	0,900	0,900	0,900
Maret	0,900	0,901	0,996	0,899	0,900
April	0,899	0,900	0,901	0,900	0,899
Mei	0,899	0,900	0,901	0,901	0,899
Juni	0,901	0,900	0,901	0,901	0,901
Juli	0,901	0,900	0,900	0,901	0,901
Agustus	0,901	0,900	0,899	0,899	0,901
September	0,900	0,901	0,900	0,900	0,900
Oktober	0,899	0,900	0,901	0,900	0,899
November	0,899	0,899	0,900	0,899	0,898
Desember	0,899	0,898	0,899	0,900	0,899

MAKASSAR, 7 JULI 2022



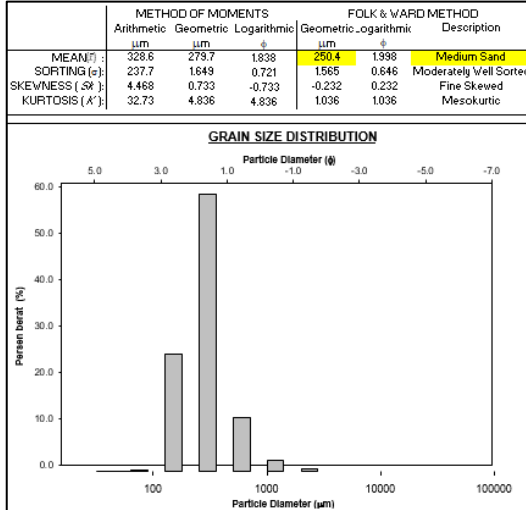
FUAD ISLAMI, S.Tr

1104 2014 11 1 001

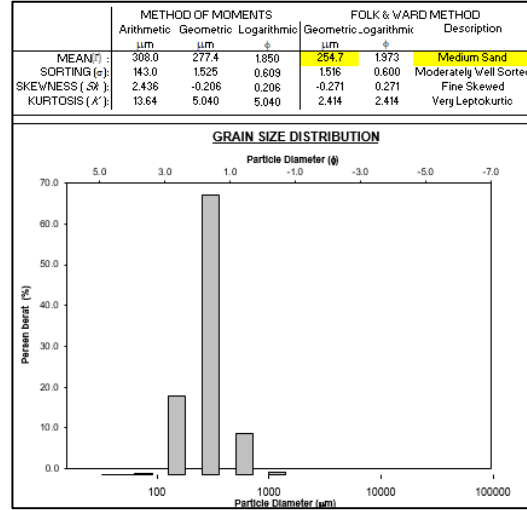
10. Hasil analisis gradistat

STASIUN 1

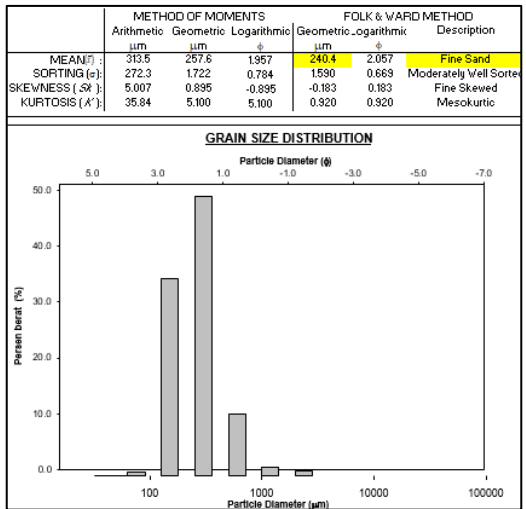
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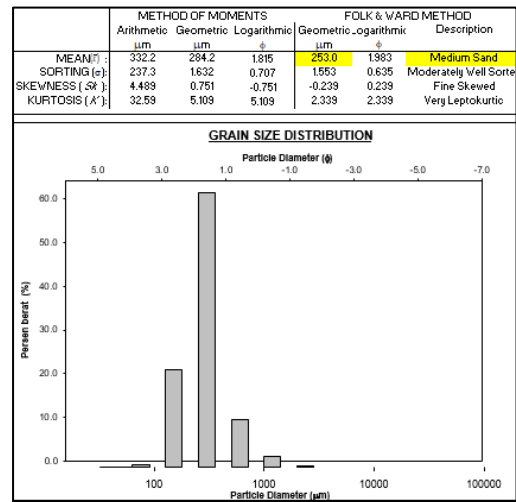
(Arah Angkutan Ke Selatan)



(Arah Angkutan Ke Utara)



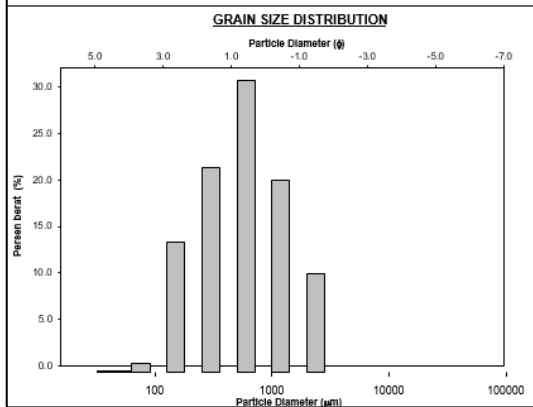
(Arah Angkutan Ke Timur)



STASIUN 2

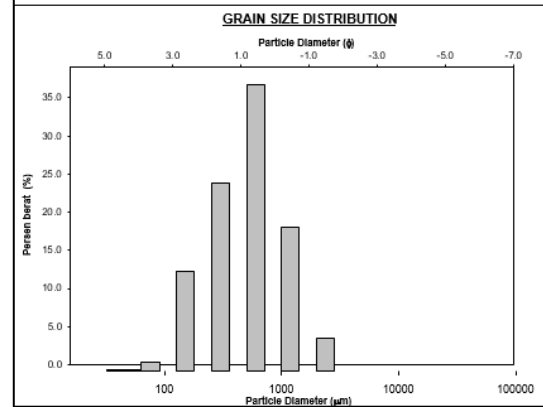
(Arah Angkutan Ke Barat)

	METHOD OF MOMENTS			FOLK & VARD METHOD		Description
	Arithmetic μ	Geometric μ	Logarithmic σ	Geometric_logarithmic μ	σ	
MEAN (\bar{x}):	788.2	535.5	0.301	507.2	0.979	Coarse Sand
SORTING (s):	856.3	2.352	1.234	2.514	1.330	Poorly Sorted
SKEWNESS (S_k):	1.421	-0.061	0.061	-0.089	0.089	Symmetrical
KURTOSIS (K'):	4.169	2.385	2.385	0.878	0.878	Platykurtic



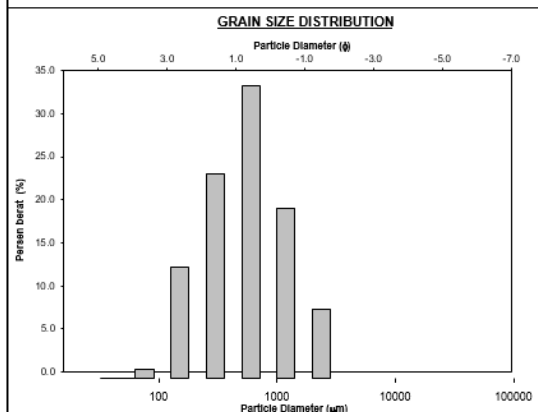
(Arah Angkutan Ke Selatan)

	METHOD OF MOMENTS			FOLK & VARD METHOD		Description
	Arithmetic μ	Geometric μ	Logarithmic σ	Geometric_logarithmic μ	σ	
MEAN (\bar{x}):	844.2	482.9	1.050	538.3	0.892	Coarse Sand
SORTING (s):	503.4	2.133	1.093	2.061	1.043	Poorly Sorted
SKEWNESS (S_k):	1.804	-0.151	0.151	-0.121	0.121	Fine Skewed
KURTOSIS (K'):	6.702	2.755	2.755	1.075	1.075	Mesokurtic



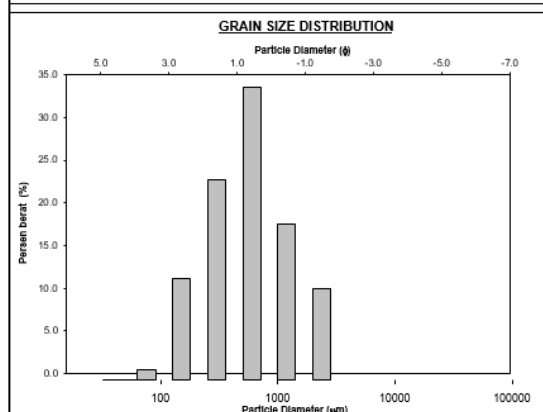
(Arah Angkutan Ke Utara)

	METHOD OF MOMENTS			FOLK & VARD METHOD		Description
	Arithmetic μ	Geometric μ	Logarithmic σ	Geometric_logarithmic μ	σ	
MEAN (\bar{x}):	717.8	516.1	0.954	556.6	0.845	Coarse Sand
SORTING (s):	800.4	2.245	1.166	2.258	1.175	Poorly Sorted
SKEWNESS (S_k):	1.607	-0.035	0.035	-0.008	0.008	Symmetrical
KURTOSIS (K'):	5.078	2.507	2.507	0.900	0.900	Mesokurtic



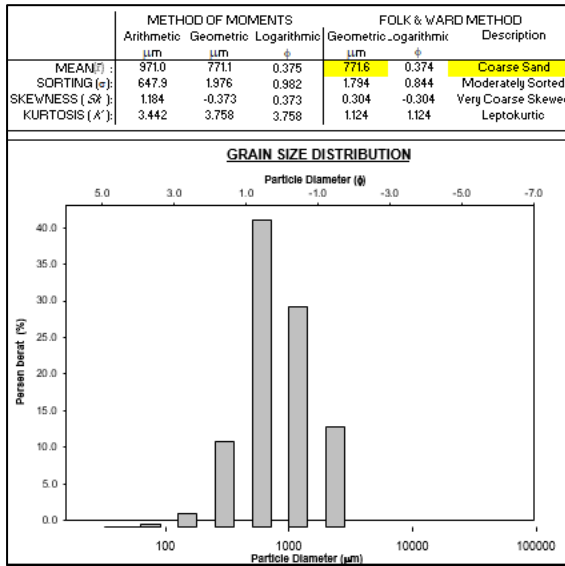
(Arah Angkutan Ke Timur)

	METHOD OF MOMENTS			FOLK & VARD METHOD		Description
	Arithmetic μ	Geometric μ	Logarithmic σ	Geometric_logarithmic μ	σ	
MEAN (\bar{x}):	762.1	539.8	0.890	569.6	0.812	Coarse Sand
SORTING (s):	651.2	2.263	1.191	2.284	1.192	Poorly Sorted
SKEWNESS (S_k):	1.504	0.001	-0.001	0.007	-0.007	Symmetrical
KURTOSIS (K'):	4.374	2.487	2.487	0.910	0.910	Mesokurtic

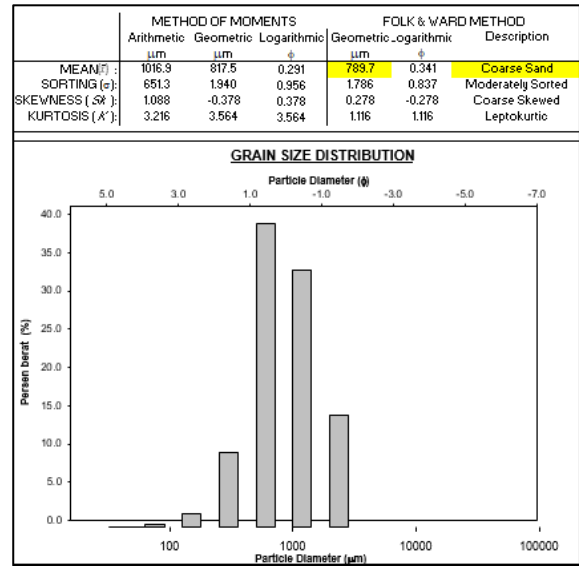


STASIUN 3

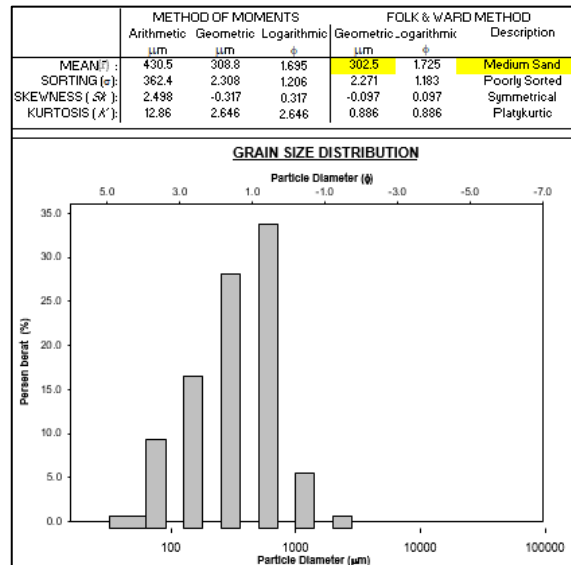
(Arah Angkutan Ke Barat)



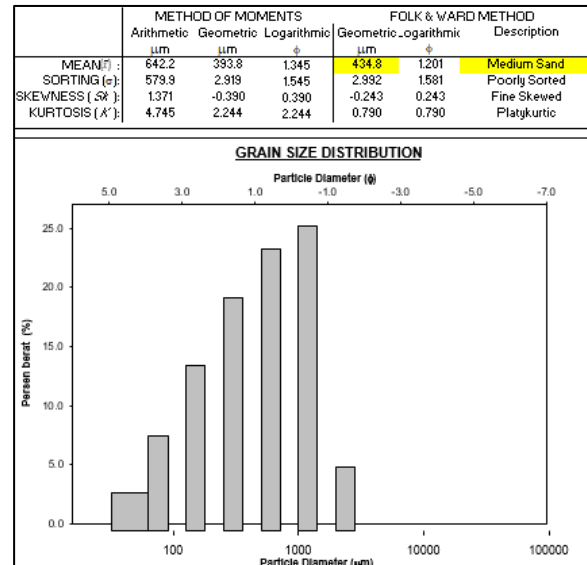
(Arah Angkutan Ke Selatan)



(Arah Angkutan Ke Utara)

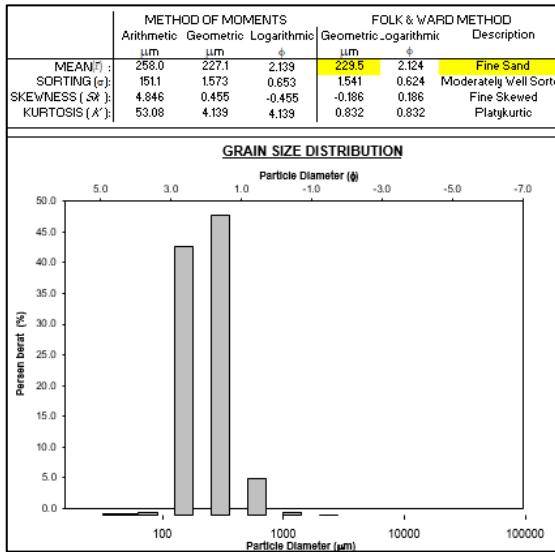


(Arah Angkutan Ke Timur)

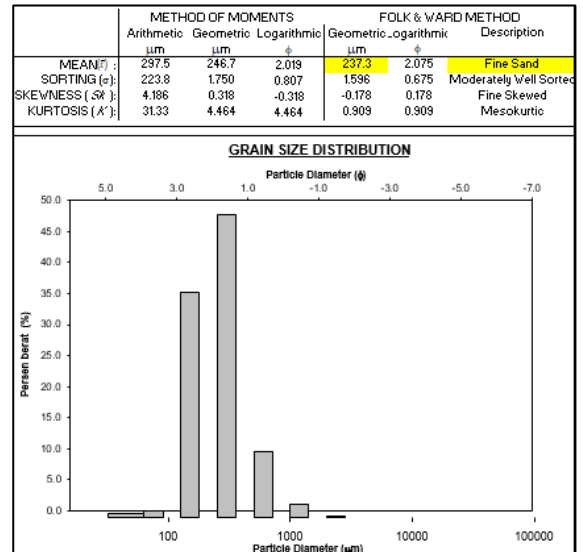


STASIUN 4

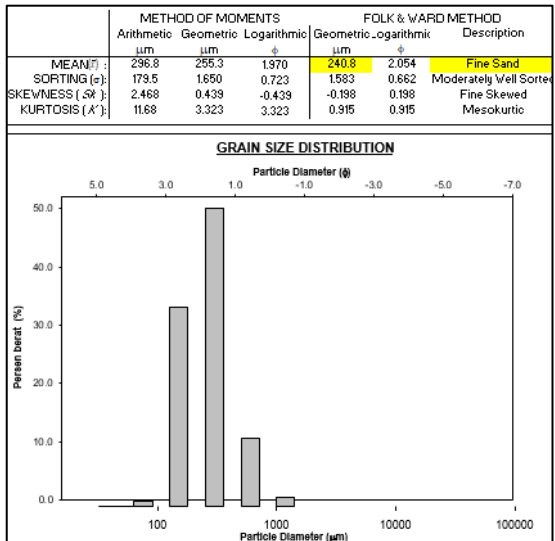
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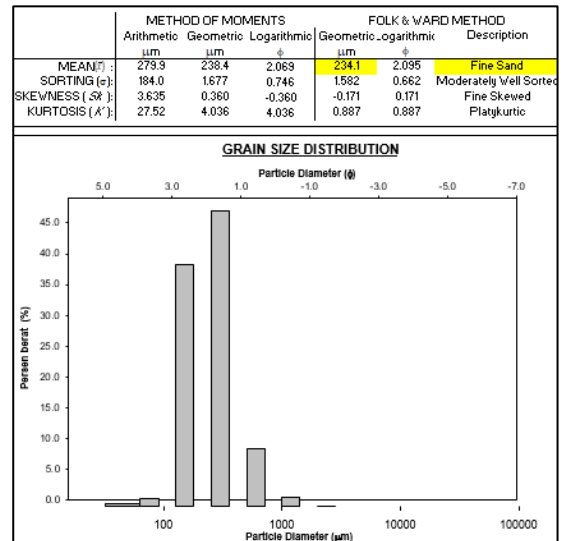
(Arah Angkutan Ke Selatan)



(Arah Angkutan Ke Utara)



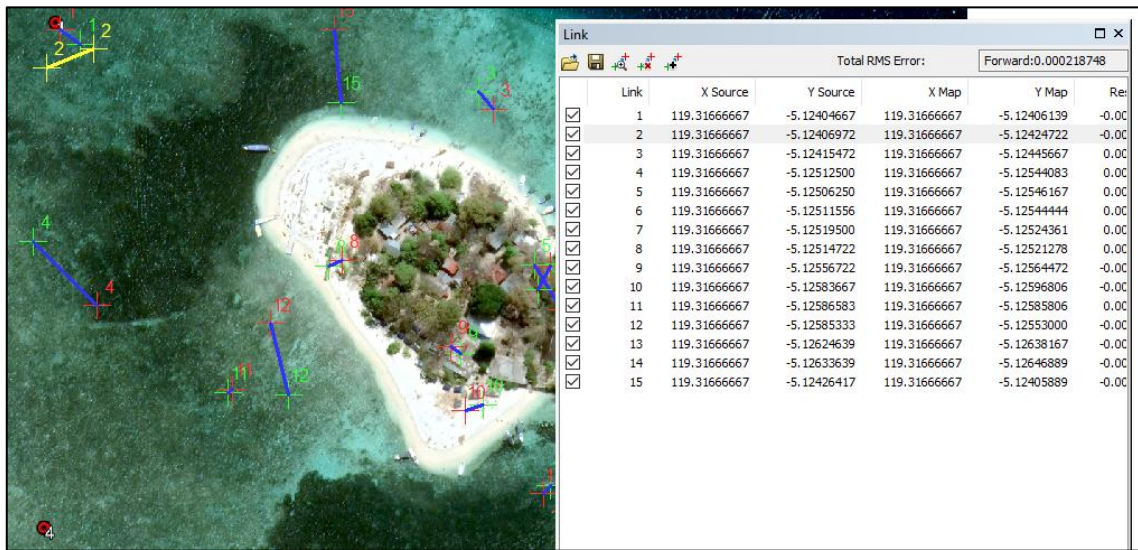
(Arah Angkutan Ke Timur)



11. Data perekaman citra google earth

Tanggal Perekaman	Jam Perekaman (WITA)	Ketinggian Air Saat Perekaman (m)
8/11/2016	10:45	0.4
5/12/2017	10:50	0.4
12/7/2018	10:45	1.1
11/7/2019	10:41	1.1
30/08/2020	10:28	1.1
21/06/2021	10:21	1.1

12. Nilai RMSe



LAMPIRAN 2

1. Dokumentasi DiLapangan



Pemasangan Sedimen Trap



Pemasangan Tiang Pasut



Pengukuran Gelombang

2. Dokumentasi Pengolahan Sampel di Laboratorium



Analisis Berat Butir Sedimen



Pengukuran Kerapatan Sedimen



Pengukuran Kekeruhan

3. Dokumentasi Tim

