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LAMPIRAN

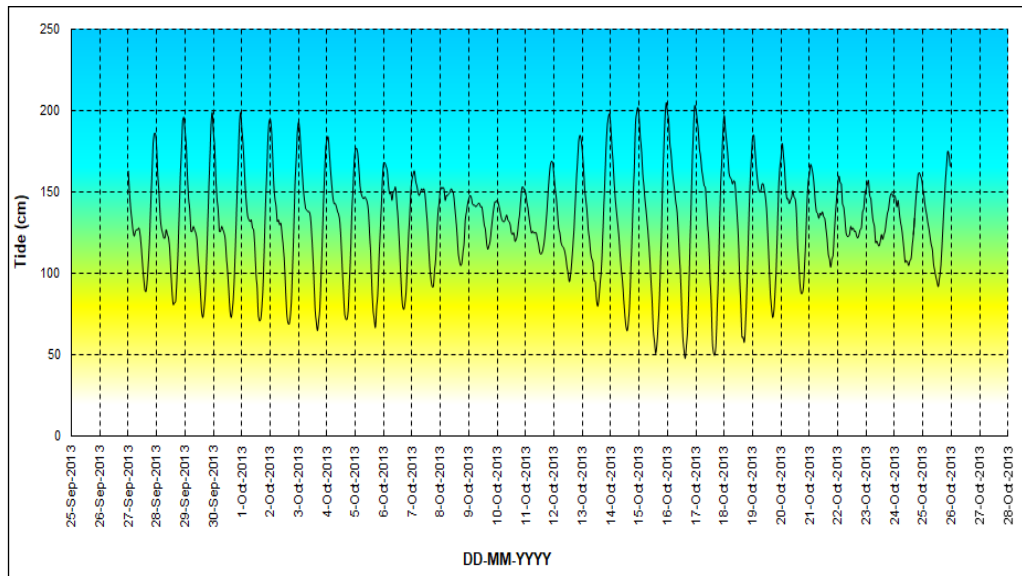
Lampiran 1. Data Pasang Surut

Hari/ Tanggal	Waktu Pengamatan (Jam)	Puncak (m)	Lembah (m)	Rata- rata	Pengali (Fi)	Rata- rata (A) (cm)	(Fi*A) (cm)
Kamis, 26/05/2022	12:00	1.03	1.02	1.03	1	103	103
	13:00	0.85	0.84	0.847	0	84.7	0
	14:00	0.64	0.54	0.59	1	59	59
	15:00	0.39	0.38	0.385	0	38.5	0
	16:00	0.31	0.313	0.3115	0	31.2	0
	17:00	0.27	0.264	0.267	1	26.7	26.7
	18:00	0.36	0.354	0.357	0	35.7	0
	19:00	0.48	0.43	0.455	1	45.5	45.5
	20:00	0.73	0.72	0.725	1	72.5	72.5
	21:00	0.82	0.81	0.815	0	81.5	0
	22:00	0.92	0.89	0.905	2	90.5	181
	23:00	0.95	0.94	0.945	0	94.5	0
Jum'at, 27/05/2022	0:00	0.96	0.95	0.955	1	95.5	95.5
	1:00	0.82	0.79	0.805	1	80.5	80.5
	2:00	0.81	0.784	0.797	0	79.7	0
	3:00	0.76	0.754	0.757	2	75.7	151.4
	4:00	0.74	0.72	0.73	1	73	73
	5:00	0.68	0.67	0.675	1	67.5	67.5
	6:00	0.66	0.654	0.657	2	65.7	131.4
	7:00	0.92	0.91	0.915	0	91.5	0
	8:00	1.134	1.12	1.127	2	112.7	225.4
	9:00	1.24	1.22	1.23	1	123	123
	10:00	1.33	1.32	1.325	1	132.5	132.5
	11:00	1.225	1.22	1.2225	2	122.2	244.4
	12:00	0.92	0.914	0.917	0	91.7	0
	13:00	0.79	0.783	0.7865	1	78.7	78.7
	14:00	0.63	0.622	0.626	1	62.7	62.7
	15:00	0.36	0.35	0.355	0	35.5	0
	16:00	0.22	0.217	0.2185	2	21.8	43.6
	17:00	0.115	0.11	0.1125	0	11.2	0
	18:00	0.128	0.125	0.1265	1	12.6	12.6
	19:00	0.225	0.22	0.2225	1	22.2	22.2
	20:00	0.36	0.35	0.355	0	35.5	0
	21:00	0.65	0.64	0.645	1	64.5	64.5
	22:00	0.86	0.85	0.855	0	85.5	0
	23:00	0.915	0.91	0.9125	0	91.2	0
0:00	0.93	0.925	0.9275	1	92.7	92.7	
1:00	0.95	0.94	0.945	0	94.5	0	
2:00	0.96	0.95	0.955	1	95.5	95.5	
					30	Total	2284.8
						MSL	76.2

Lampiran 2. Grafik Pasang Surut 29 Piantan dengan Metode *Admiralty*

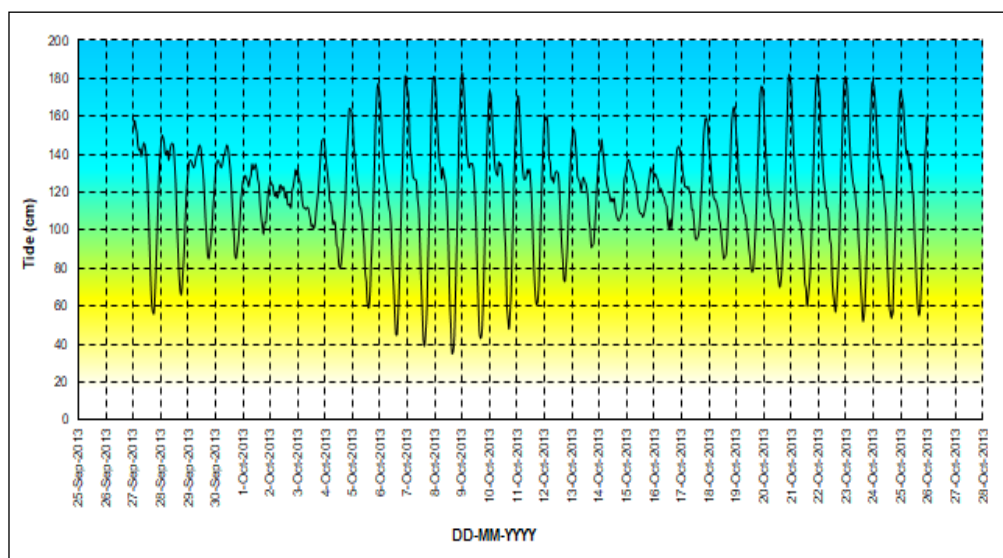
CONSTANTS	S ₀	M ₂	S ₁	N ₂	K ₁	O ₁	M ₄	MS ₄	K ₂	P ₁
A (cm)	132	10	12	4	31	20	0	1	3	10
g (°)	0	243	294	234	62	275	271	214	294	62

Sumber : IPASOET BIG



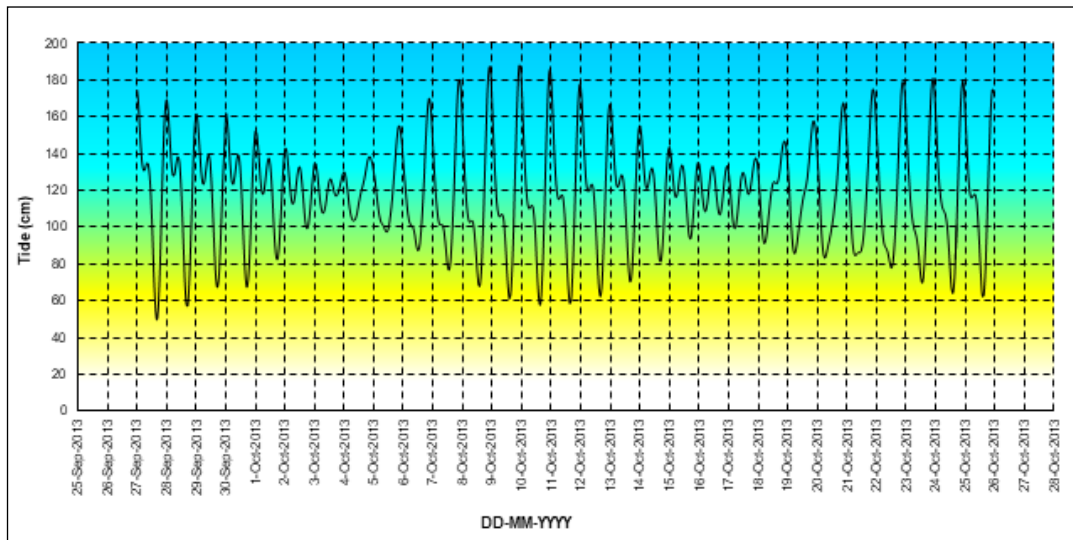
a. Pasang surut tahun 2021

CONSTANTS	S ₀	M ₂	S ₁	N ₂	K ₁	O ₁	M ₄	MS ₄	K ₂	P ₁
A (cm)	119	11	12	4	29	19	0	1	3	10
g (°)	0	340	297	199	63	18	113	334	297	63



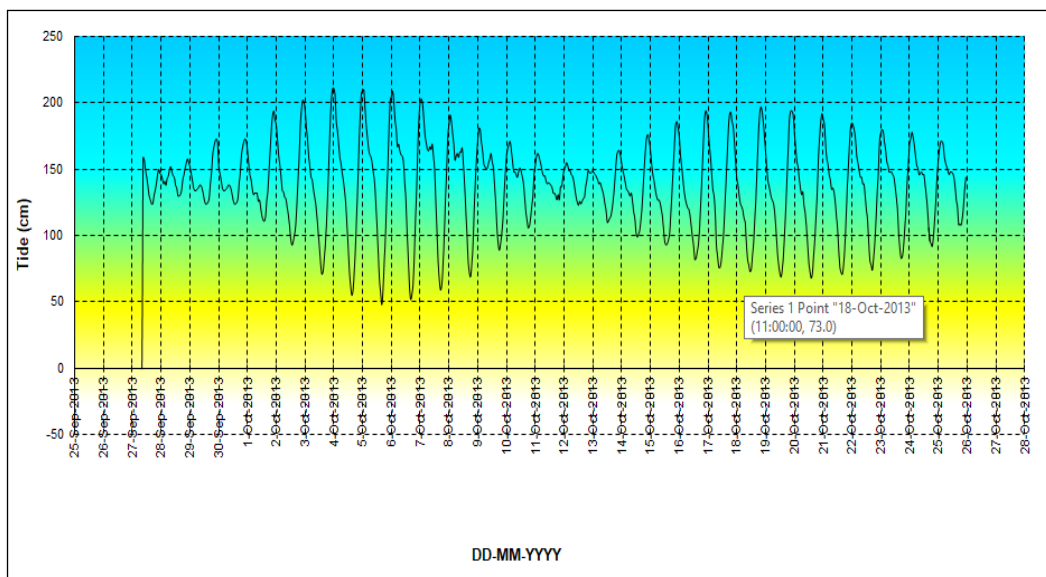
b. Pasang surut tahun 2012

CONSTANTS	S ₀	M ₂	S ₂	N ₂	K ₁	O ₁	M ₄	MS ₄	K ₂	P ₁
A (cm)	119	10	13	4	30	28	0	1	4	10
g (°)	0	121	295	158	33	167	31	96	295	33



c. Pasang surut tahun 2004

CONSTANTS	S ₀	M ₂	S ₂	N ₂	K ₁	O ₁	M ₄	MS ₄	K ₂	P ₁
A (cm)	136	9	9	2	27	22	1	1	3	9
g (°)	0	239	296	325	59	273	135	313	296	59



c. Data Pasang Surut Tahun 2021

Times Days	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
5/1/2021	153	158	155	152	145	142	143	139	142	146	145	141	131	115	96	76	62	57	56	68	84	101	121	136
5/2/2021	144	150	149	146	140	141	142	137	142	145	146	145	137	125	107	92	77	68	66	74	84	97	113	124
5/3/2021	131	136	137	136	134	133	135	139	140	143	145	143	137	131	121	108	98	87	85	90	95	103	114	121
5/4/2021	126	127	129	127	126	123	127	129	135	132	133	135	132	127	124	114	107	102	98	104	104	112	119	123
5/5/2021	126	124	124	120	118	120	117	119	123	124	121	123	122	117	120	114	113	114	112	121	123	127	132	129
5/6/2021	132	127	126	121	115	112	112	111	112	112	109	106	102	103	101	103	110	115	121	130	140	147	148	148
5/7/2021	142	135	130	124	115	115	108	103	105	102	92	91	82	80	83	90	99	108	122	140	153	164	164	163
5/8/2021	158	144	140	132	125	122	113	112	108	101	93	78	73	62	59	64	80	92	112	133	155	169	177	175
5/9/2021	170	159	146	138	131	126	122	116	112	108	97	80	70	55	45	45	58	75	96	121	140	164	181	177
5/10/2021	174	169	147	140	135	128	127	127	125	116	110	92	74	58	42	39	46	59	84	104	131	160	176	181
5/11/2021	180	171	158	146	136	133	127	133	129	127	121	108	89	64	50	35	36	42	64	88	114	145	165	180
5/12/2021	183	177	167	153	141	137	133	135	135	135	131	121	106	82	64	47	43	45	56	76	103	129	148	166
5/13/2021	173	171	161	150	138	132	130	129	136	134	135	130	117	101	89	61	54	48	58	71	94	119	140	157
5/14/2021	166	171	163	153	140	132	127	127	128	132	130	132	124	113	94	77	66	61	62	70	89	110	130	146
5/15/2021	159	158	160	154	138	136	127	128	125	129	131	131	130	122	107	94	85	74	73	81	91	107	123	138
5/16/2021	147	153	153	147	139	128	127	125	121	124	128	126	125	122	117	105	101	91	92	93	101	111	124	132
5/17/2021	141	142	148	142	138	130	127	123	121	118	115	117	115	117	112	108	106	105	106	108	110	116	127	129
5/18/2021	133	137	137	134	132	131	127	126	123	119	113	110	109	109	107	108	111	115	117	124	128	133	131	131
5/19/2021	128	130	128	127	123	120	122	120	118	117	114	113	104	101	106	101	107	117	126	136	142	144	144	140
5/20/2021	137	131	127	123	123	122	123	120	119	111	111	104	96	95	96	98	104	116	126	145	154	159	159	155
5/21/2021	144	139	131	122	118	116	116	113	111	106	103	96	90	85	86	87	95	109	124	141	157	163	165	161
5/22/2021	150	142	128	124	119	115	113	109	108	102	98	91	86	80	78	80	91	102	119	139	156	172	176	175
5/23/2021	167	151	139	128	119	117	110	107	106	102	94	88	80	74	70	73	81	95	109	129	151	169	182	179
5/24/2021	177	161	146	135	124	118	112	105	105	100	94	85	73	69	60	66	72	82	102	123	143	167	178	182
5/25/2021	176	171	154	142	131	124	120	112	112	105	95	92	74	66	61	57	66	76	88	112	133	153	174	180
5/26/2021	181	176	163	150	139	132	126	123	120	113	109	96	85	71	60	52	56	68	84	104	128	149	166	178
5/27/2021	177	173	164	153	139	136	132	127	129	122	114	108	88	74	60	56	54	58	78	95	112	133	155	169
5/28/2021	174	170	167	158	147	140	142	136	132	135	122	118	99	85	70	59	55	59	72	89	103	134	145	160
5/29/2021	170	167	163	159	149	143	141	133	137	136	126	126	114	99	85	74	67	65	74	89	105	125	141	156

Lampiran 3. Data Kecepatan dan Arah Arus

a. Stasiun I

Menuju Pasang			Menuju Surut		
Datetime	Speed (m/s)	Heading (Degrees CW from North)	Datetime	Speed (m/s)	Heading (Degrees CW from North)
6:42:00 PM	0.0611	110.1	1:00:00 AM	0.312	309.2
6:48:00 PM	0.0599	110.1	1:06:00 AM	0.2827	309.3
6:54:00 PM	0.0594	110.9	1:12:00 AM	0.2424	309.1
7:00:00 PM	0.06	120.9	1:18:00 AM	0.2037	308.5
7:06:00 PM	0.0612	129.6	1:24:00 AM	0.1642	307.9
7:12:00 PM	0.0623	131.1	1:30:00 AM	0.1397	307.5
7:18:00 PM	0.063	139.1	1:36:00 AM	0.1106	307.2
7:24:00 PM	0.063	142.3	1:42:00 AM	0.0963	306.9
7:30:00 PM	0.0621	144.5	1:48:00 AM	0.0848	307.1
7:36:00 PM	0.0604	149.6	1:54:00 AM	0.0751	308.1
7:42:00 PM	0.0587	148.2	2:00:00 AM	0.0678	309.4
7:48:00 PM	0.058	143.1	2:06:00 AM	0.0625	310
7:54:00 PM	0.0591	140.5	2:12:00 AM	0.0586	308.9
8:00:00 PM	0.0607	146.3	2:18:00 AM	0.0562	307.1
8:06:00 PM	0.0614	144.3	2:24:00 AM	0.055	306.1
8:12:00 PM	0.061	143.7	2:30:00 AM	0.0548	306.4
8:18:00 PM	0.0607	143.5	2:36:00 AM	0.0554	307.3
8:24:00 PM	0.061	143	2:42:00 AM	0.0568	308
8:30:00 PM	0.0618	142.3	2:48:00 AM	0.0586	308.1
8:36:00 PM	0.0629	142.4	2:54:00 AM	0.0604	307.9
8:42:00 PM	0.0636	143.6	3:00:00 AM	0.0612	307.7
8:48:00 PM	0.0631	145.5	3:06:00 AM	0.061	308.1
8:54:00 PM	0.0613	147.1	3:12:00 AM	0.0605	309
9:00:00 PM	0.059	148.2	3:18:00 AM	0.0603	309.9
9:06:00 PM	0.0574	148.6	3:24:00 AM	0.0608	310.2
9:12:00 PM	0.0571	148.8	3:30:00 AM	0.0616	309.6
9:18:00 PM	0.0578	148.6	3:36:00 AM	0.0627	308.8
9:24:00 PM	0.0591	148.3	3:42:00 AM	0.0641	308.5
9:30:00 PM	0.0608	148.2	3:48:00 AM	0.0656	308.3
9:36:00 PM	0.0635	148.4	3:54:00 AM	0.0661	308
9:42:00 PM	0.0672	149.3	4:00:00 AM	0.0655	307.7
9:48:00 PM	0.0716	151.1	4:06:00 AM	0.0643	307.6
9:54:00 PM	0.0756	153.3	4:12:00 AM	0.064	307.7
10:00:00 PM	0.0783	155	4:18:00 AM	0.0652	308
10:06:00 PM	0.0798	156	4:24:00 AM	0.0674	308.9
10:12:00 PM	0.0812	156.7	4:30:00 AM	0.0691	310.7
10:18:00 PM	0.0844	157.3	4:36:00 AM	0.07	313

10:24:00 PM	0.0902	157.5	4:42:00 AM	0.0707	314.4
10:30:00 PM	0.0977	157.7	4:48:00 AM	0.0719	313.4
10:36:00 PM	0.1069	158.7	4:54:00 AM	0.0733	308.9
10:42:00 PM	0.1248	160.8	5:00:00 AM	0.0742	302.4
10:48:00 PM	0.1465	166.2	5:06:00 AM	0.0736	296.1
10:54:00 PM	0.1602	168.2			
11:00:00 PM	0.1738	148.4			
11:06:00 PM	0.1815	148.3			
11:12:00 PM	0.1825	148.6			
11:18:00 PM	0.1828	148.5			
11:24:00 PM	0.1889	158.2			
11:30:00 PM	0.2026	148.4			
11:36:00 PM	0.2199	149.3			
11:42:00 PM	0.2365	150.1			
11:48:00 PM	0.2496	152.1			
11:54:00 PM	0.2576	154			
12:00:00 AM	0.2621	155			
12:06:00 AM	0.266	156.7			
12:12:00 AM	0.2721	156.3			
12:18:00 AM	0.2819	157.5			
12:24:00 AM	0.295	157.2			
12:30:00 AM	0.3086	152.7			
12:36:00 AM	0.3201	160.2			
12:42:00 AM	0.328	164.2			
12:48:00 AM	0.3311	160.3			
12:54:00 AM	0.3269	157.7			

b. Stasiun II

Menuju Pasang			Menuju Surut		
Datetime	Speed (m/s)	Heading (Degrees CW from North)	Datetime	Speed (m/s)	Heading (Degrees CW from North)
6:54:00 AM	1.1977	338.2	11:00:00 AM	0.0851	127.5
7:00:00 AM	1.1977	339.7	11:06:00 AM	0.0746	121.1
7:06:00 AM	1.1977	340.9	11:12:00 AM	0.0598	104.6
7:12:00 AM	1.1977	342.4	11:18:00 AM	0.0544	87.4
7:18:00 AM	1.1977	344.9	11:24:00 AM	0.0586	88.5
7:24:00 AM	1.1977	348.9	11:30:00 AM	0.0678	102.8
7:30:00 AM	1.1977	353.6	11:36:00 AM	0.0798	118.8
7:36:00 AM	1.1977	357.3	11:42:00 AM	0.0907	130.3
7:42:00 AM	1.1977	357.5	11:48:00 AM	0.0974	136.9
7:48:00 AM	1.1977	352.6	11:54:00 AM	0.0999	139.6
7:54:00 AM	1.0306	343.7	12:00:00 PM	0.098	138.9
8:00:00 AM	0.8176	335.9	12:06:00 PM	0.0897	133.2
8:06:00 AM	0.7415	331.9	12:12:00 PM	0.0699	115.6
8:12:00 AM	0.7314	330.4	12:18:00 PM	0.0516	71.8
8:18:00 AM	0.7462	330.4	12:24:00 PM	0.056	33.8
8:24:00 AM	0.7699	331.3	12:30:00 PM	0.0586	25.1
8:30:00 AM	0.7926	332.4	12:36:00 PM	0.054	33.5
8:36:00 AM	0.8085	333.1	12:42:00 PM	0.0498	51.4
8:42:00 AM	0.8179	333.1	12:48:00 PM	0.0495	67
8:48:00 AM	0.8237	332.6	12:54:00 PM	0.0502	76.6
8:54:00 AM	0.8286	332	1:00:00 PM	0.0478	80.3
9:00:00 AM	0.8329	331.8	1:06:00 PM	0.0353	70.4
9:06:00 AM	0.8351	332	1:12:00 PM	0.0266	146
9:12:00 AM	0.8329	332.6	1:18:00 PM	0.0675	144.9
9:18:00 AM	0.8244	333.3	1:24:00 PM	0.0957	142.3
9:24:00 AM	0.8085	334.1	1:30:00 PM	0.1154	149.5
9:30:00 AM	0.7858	334.7	1:36:00 PM	0.1487	149.7
9:36:00 AM	0.7596	335	1:42:00 PM	0.1898	155.5
9:42:00 AM	0.7335	335	1:48:00 PM	0.2557	157.3
9:48:00 AM	0.7094	335.2	1:54:00 PM	0.3461	158.6
9:54:00 AM	0.6879	335.6	2:00:00 PM	0.4469	160.7
10:00:00 AM	0.6682	336	2:06:00 PM	0.5321	162.5
10:06:00 AM	0.6496	336.3	2:12:00 PM	0.5842	163.5
10:12:00 AM	0.6308	337.1	2:18:00 PM	0.6236	163.8
10:18:00 AM	0.6097	338.4	2:24:00 PM	0.6539	163.5
10:24:00 AM	0.5841	340	2:30:00 PM	0.6861	163
10:30:00 AM	0.553	341.6	2:36:00 PM	0.7299	162.6
10:36:00 AM	0.5142	343.1	2:42:00 PM	0.7981	162.7
10:42:00 AM	0.456	344.2	2:48:00 PM	0.8975	163.4

10:48:00 AM	0.3895	344.2	2:54:00 PM	1.0188	164.7
10:54:00 AM	0.3319	342.3	3:00:00 PM	1.1549	166.4
			3:06:00 PM	0.2772	337.9
			3:12:00 PM	0.2299	331.2
			3:18:00 PM	0.1956	323
			3:24:00 PM	0.1663	315.1
			3:30:00 PM	0.1513	309.5
			3:36:00 PM	0.1373	307.6
			3:42:00 PM	0.1223	309.1
			3:48:00 PM	0.1117	312.7
			3:54:00 PM	0.1044	316.3
			4:00:00 PM	0.0977	318.2
			4:06:00 PM	0.0868	317.4
			4:12:00 PM	0.0693	313.3
			4:18:00 PM	0.0534	306.6
			4:24:00 PM	0.0471	302.4
			4:30:00 PM	0.048	302.6
			4:36:00 PM	0.0488	302.5
			4:42:00 PM	0.0459	299.5
			4:48:00 PM	0.0415	296
			4:54:00 PM	0.0404	298.3

c. Stasiun III

Menuju Pasang			Menuju Surut		
Datetime	Speed (m/s)	Heading (Degrees CW from North)	Datetime	Speed (m/s)	Heading (Degrees CW from North)
1:12:00 PM	0.1645	45.2	9:54:00 AM	0.071	260.1
1:18:00 PM	0.1491	44.3	10:00:00 AM	0.069	256.1
1:24:00 PM	0.1317	43.1	10:06:00 AM	0.0691	252.1
1:30:00 PM	0.1162	41.8	10:12:00 AM	0.0712	248.8
1:36:00 PM	0.1077	40.9	10:18:00 AM	0.0748	247.1
1:42:00 PM	0.1041	40.8	10:24:00 AM	0.0787	247.3
1:48:00 PM	0.1028	41.1	10:30:00 AM	0.0813	248.2
1:54:00 PM	0.1023	41.3	10:36:00 AM	0.0812	248.8
2:00:00 PM	0.1019	40.9	10:42:00 AM	0.0785	249
2:06:00 PM	0.1012	40.5	10:48:00 AM	0.075	248.9
2:12:00 PM	0.1005	41.2	10:54:00 AM	0.0742	248.6
2:18:00 PM	0.1	44.2	11:00:00 AM	0.0784	248.1
2:24:00 PM	0.0996	49.1	11:06:00 AM	0.0871	248
2:30:00 PM	0.0989	55.2	11:12:00 AM	0.0971	248.1
2:36:00 PM	0.0973	61.5	11:18:00 AM	0.1079	248.5
2:42:00 PM	0.0953	67.7	11:24:00 AM	0.1271	249
2:48:00 PM	0.0936	73.2	11:30:00 AM	0.1481	249.7
2:54:00 PM	0.0933	77.7	11:36:00 AM	0.1637	250.4
3:00:00 PM	0.0944	80.7	11:42:00 AM	0.1872	250.9
3:06:00 PM	0.0963	82.4	11:48:00 AM	0.2084	251.3
3:12:00 PM	0.0979	83.2	11:54:00 AM	0.2247	251.5
3:18:00 PM	0.0989	83.6	12:00:00 PM	0.2383	251.8
3:24:00 PM	0.0996	83.9	12:06:00 PM	0.2509	252.2
3:30:00 PM	0.1003	84	12:12:00 PM	0.263	252.5
3:36:00 PM	0.1011	84.4	12:18:00 PM	0.2734	252.5
3:42:00 PM	0.1023	85	12:24:00 PM	0.2799	251.7
3:48:00 PM	0.1039	85.5	12:30:00 PM	0.2804	250.5
3:54:00 PM	0.1057	85	12:36:00 PM	0.2749	249.3
4:00:00 PM	0.1073	83	12:42:00 PM	0.2639	248.7
4:06:00 PM	0.1081	79.4	12:48:00 PM	0.2486	248.6
4:12:00 PM	0.1081	74.6	12:54:00 PM	0.2308	248.7
4:18:00 PM	0.1077	69.3	1:00:00 PM	0.2117	248.9
4:24:00 PM	0.1073	64.4	1:06:00 PM	0.1891	249.2
4:30:00 PM	0.1071	69.6			
4:36:00 PM	0.1063	50.2			
4:42:00 PM	0.1052	50.7			
4:48:00 PM	0.1042	50.7			

d. Stasiun IV

Menuju Pasang			Menuju Surut		
Datetime	Speed (m/s)	Heading (Degrees CW from North)	Datetime	Speed (m/s)	Heading (Degrees CW from North)
6:24:00 PM	0.054	55.8	1:00:00 AM	0.255	196.1
6:30:00 PM	0.1332	58.4	1:06:00 AM	0.3332	193.4
6:36:00 PM	0.1118	62.1	1:12:00 AM	0.2118	199.7
6:42:00 PM	0.0532	66.2	1:18:00 AM	0.0532	192.7
6:48:00 PM	0.2603	69.8	1:24:00 AM	0.4603	202.5
6:54:00 PM	0.1413	62.9	1:30:00 AM	0.1413	236
7:00:00 PM	0.2447	65.3	1:36:00 AM	0.3447	234.6
7:06:00 PM	0.48	65.5	1:42:00 AM	0.48	230.5
7:12:00 PM	0.2328	62.3	1:48:00 AM	0.2628	233
7:18:00 PM	0.184	66	1:54:00 AM	0.184	230.8
7:24:00 PM	0.1308	49.3	2:00:00 AM	0.2708	235.3
7:30:00 PM	0.16	45.8	2:06:00 AM	0.16	239
7:36:00 PM	0.3833	46.3	2:12:00 AM	0.3833	233.6
7:42:00 PM	0.3253	46.7	2:18:00 AM	0.3253	219.6
7:48:00 PM	0.2716	40.8	2:24:00 AM	0.2716	218.6
7:54:00 PM	0.2275	46.6	2:30:00 AM	0.2275	221.6
8:00:00 PM	0.1982	27.5	2:36:00 AM	0.2982	227
8:06:00 PM	0.1765	27.3	2:42:00 AM	0.3765	221.3
8:12:00 PM	0.1637	69.5	2:48:00 AM	0.2637	222.1
8:18:00 PM	0.1555	65.4	2:54:00 AM	0.2555	237.6
8:24:00 PM	0.1449	64.6	3:00:00 AM	0.1449	239.5
8:30:00 PM	0.1231	56	3:06:00 AM	0.1231	232.3
8:36:00 PM	0.1008	48.6	3:12:00 AM	0.1008	228.8
8:42:00 PM	0.0732	43.3	3:18:00 AM	0.3732	229.3
8:48:00 PM	0.0375	52.9	3:24:00 AM	0.4375	232.5
8:54:00 PM	0.041	66.6	3:30:00 AM	0.041	235.7
9:00:00 PM	0.0642	52.6	3:36:00 AM	0.0642	236.5
9:06:00 PM	0.0801	65.7	3:42:00 AM	0.0801	235
9:12:00 PM	0.0857	80	3:48:00 AM	0.0857	232.3
9:18:00 PM	0.0827	84.6	3:54:00 AM	0.0827	229.5
9:24:00 PM	0.0678	87.4	4:00:00 AM	0.0678	227.4
9:30:00 PM	0.0352	27.1	4:06:00 AM	0.0352	226.4
9:36:00 PM	0.0228	29	4:12:00 AM	0.0228	226.4
9:42:00 PM	0.0278	9.8	4:18:00 AM	0.0278	227.1
9:48:00 PM	0.022	20	4:24:00 AM	0.022	228.3
9:54:00 PM	0.071	88.8	4:30:00 AM	0.071	229.6
10:00:00 PM	0.0924	90.9	4:36:00 AM	0.0924	230.7
10:06:00 PM	0.0959	90	4:42:00 AM	0.0959	231.2
10:12:00 PM	0.0882	86.6	4:48:00 AM	0.0882	231.5

10:18:00 PM	0.0615	84.8	4:54:00 AM	0.0615	234.8
10:24:00 PM	0.0306	72.3	5:00:00 AM	0.0306	232.3
10:30:00 PM	0.0463	18.7	5:06:00 AM	0.0463	238.7
10:36:00 PM	0.0331	35			
10:42:00 PM	0.0299	35.5			
10:48:00 PM	0.0594	35.7			
10:54:00 PM	0.07	36			
11:00:00 PM	0.0432	36.9			
11:06:00 PM	0.0323	38.1			
11:12:00 PM	0.065	69.1			
11:18:00 PM	0.064	69.9			
11:24:00 PM	0.0531	50.2			
11:30:00 PM	0.0514	79.6			
11:36:00 PM	0.0467	78.1			
11:42:00 PM	0.053	76			
11:48:00 PM	0.0521	83.7			
11:54:00 PM	0.0603	81.6			
12:00:00 AM	0.0621	80			
12:06:00 AM	0.061	88.6			
12:12:00 AM	0.0603	67.3			
12:18:00 AM	0.061	55.8			
12:24:00 AM	0.0625	53.6			
12:30:00 AM	0.0628	60.6			
12:36:00 AM	0.0537	67.4			
12:42:00 AM	0.0631	64.9			
12:48:00 AM	0.0619	63.9			
12:54:00 AM	0.047	64.4			

Lampiran 4. Pengukuran Tinggi Gelombang Signifikan

STASIUN I															
No	U1 : 13:00					U2 : 15:00					U3 : 17:00				
	Puncak (cm)	Lembah (cm)	H		H 1/3	Puncak (cm)	Lembah (cm)	H		H 1/3	Puncak (cm)	Lembah (cm)	H		H 1/3
1	60	58	2	4	4	39	38	1	4.1	4.1	26	25	1	3	3
2	59	58	1	3.6	3.6	40	39.3	0.7	3	3	27.5	26	1.5	2	2
3	58.9	57.2	1.7	3.5	3.5	39	37	2	2	2	26.5	25	1.5	2	2
4	59	58	1	3.4	3.4	39.4	38.4	1	2	2	26	25	1	2	2
5	61	58.5	2.5	3.1	3.1	39.2	38.2	1	2	2	26.8	26	0.8	2	2
6	60.2	58	2.2	3.1	3.1	38.2	37.7	0.5	2	2	26	25	1	2	2
7	58	57.2	0.8	3	3	39.5	38	1.5	2	2	27	26.4	0.6	2	2
8	60	57	3	3	3	40	39	1	2	2	26	25	1	1.8	1.8
9	61.5	58.5	3	3	3	40.2	39	1.2	2	2	27	26	1	1.5	1.5
10	60.3	57.2	3.1	3	3	39.5	38.5	1	2	2	28	27	1	1.5	1.5
11	60.8	58	2.8	3	3	39	37	2	2	2	27.5	26.5	1	1.5	1.5
12	60.5	57.5	3	2.9	2.9	38.5	37.5	1	1.8	1.8	25	24	1	1.5	1.5
13	59	57.8	1.2	2.8	2.8	39.3	38	1.3	1.6	1.6	26	25	1	1.5	1.5
14	60.8	57.2	3.6	2.8	2.8	42.3	38.2	4.1	1.5	1.5	27	26	1	1.4	1.4
15	60.7	58.3	2.4	2.8	2.8	39	37	2	1.5	1.5	26	25.8	0.2	1.3	1.3
16	61	57	4	2.5	2.5	39	38.3	0.7	1.5	1.5	27.2	26.5	0.7	1.2	1.2
17	58	57.2	0.8	2.5	2.5	38.8	38	0.8	1.5	1.5	26	25	1	1	1
18	61.6	58.2	3.4	2.5	3.0588	39	38.1	0.9	1.5	2.0294	26.5	25.5	1	1	1.7176
19	62	59	3	2.4		39.5	38	1.5	1.5		27.5	25.5	2	1	
20	61	58	3	2.2		39.2	38.6	0.6	1.5		26	25	1	1	
21	60.8	58	2.8	2.2		38	37.5	0.5	1.5		26	25.5	0.5	1	
22	61.3	57.8	3.5	2.1		40	38.5	1.5	1.3		27.8	26.8	1	1	

STASIUN I														
No	U1 : 13:00					U2 : 15:00					U3 : 17:00			
	Puncak (cm)	Lembah (cm)	H		H 1/3	Puncak (cm)	Lembah (cm)	H		H 1/3	Puncak (cm)	Lembah (cm)	H	H 1/3
23	60	57.2	2.8	2.1		38.6	38	0.6	1.2		28	26	2	1
24	59.5	57.6	1.9	2		39	37.5	1.5	1.1		26.8	25	1.8	1
25	59.6	57.4	2.2	2		38.8	37.7	1.1	1.1		27.2	26.8	0.4	1
26	60	58.6	1.4	2		39.5	38.6	0.9	1		27	26	1	1
27	59.6	58.2	1.4	2		39	38	1	1		28	26	2	1
28	61.2	58.7	2.5	1.9		38.8	37.9	0.9	1		27.3	26.8	0.5	1
29	61	59.6	1.4	1.7		38.8	37	1.8	1		27	25	2	1
30	60	58.5	1.5	1.7		38.5	37.5	1	1		27	26	1	1
31	60	57.5	2.5	1.6		38.4	37.6	0.8	1		27	26.5	0.5	1
32	59.2	58	1.2	1.5		39	37	2	1		27	26	1	1
33	60.2	57.1	3.1	1.5		39	37.5	1.5	1		27.8	26.6	1.2	1
34	58.6	57.4	1.2	1.4		39	38	1	1		27	26	1	1
35	59.8	57.7	2.1	1.4		39	37	2	1		27	26	1	1
36	60	58.4	1.6	1.4		38.5	37.4	1.1	1		27	25.5	1.5	1
37	61	59	2	1.3		38	37	1	1		27	26	1	1
38	59.7	58.4	1.3	1.3		39	37.4	1.6	1		27	26.4	0.6	1
39	59.3	58.2	1.1	1.3		39	37.5	1.5	1		27	25	2	1
40	59	57.3	1.7	1.2		39	37	2	1		28	27	1	1
41	58.8	57.3	1.5	1.2		38	36	2	0.9		27	26	1	1
42	58	57	1	1.2		38	37	1	0.9		27	26.8	0.2	0.8
43	59.5	57.5	2	1.1		37	36	1	0.9		27.8	26.5	1.3	0.7
44	59.8	58.5	1.3	1		39	36	3	0.8		28	26.5	1.5	0.6
45	60.5	59.2	1.3	1		39	37.5	1.5	0.8		28	26.5	1.5	0.6
46	58	57.4	0.6	1		38	37	1	0.7		28	27	1	0.5

STASIUN I													
U1 : 13:00					U2 : 15:00					U3 : 17:00			
No	Puncak (cm)	Lembah (cm)	H	H 1/3	Puncak (cm)	Lembah (cm)	H	H 1/3	Puncak (cm)	Lembah (cm)	H	H 1/3	
47	59.3	56.4	2.9	0.9	36	35	1	0.7	28	26	2	0.5	
48	59	58.5	0.5	0.8	38	36	2	0.6	27	26	1	0.5	
49	60	59.1	0.9	0.8	37.5	36	1.5	0.6	27	26	1	0.4	
50	58	56	2	0.6	38	36	2	0.5	27	24	3	0.2	
51	58.8	56.7	2.1	0.5	37	36	1	0.5	27.8	26.4	1.4	0.2	

STASIUN II															
U1 : 13:00					U2 : 15:00					U3 : 17:00					
No	Puncak (cm)	Lembah (cm)	H	H 1/3	Puncak (cm)	Lembah (cm)	H	H 1/3	Puncak (cm)	Lembah (cm)	H	H 1/3			
1	118.2	118	0.2	5.2	5.2	56	51	5	8	8	57	56	1	5	5
2	121	117	4	5	5	55.5	53	2.5	8	8	56	55	1	4	4
3	120	118	2	4	4	57	54	3	7.5	7.5	55	54	1	4	4
4	121.5	120	1.5	4	4	60	56	4	7	7	56	55	1	4	4
5	121	117.5	3.5	4	4	56	52	4	7	7	57.5	56	1.5	4	4
6	119	117	2	3.5	3.5	61	53	8	7	7	57.5	55	2.5	4	4
7	120	119.8	0.2	3.5	3.5	60	55	5	7	7	58	56.5	1.5	4	4
8	120.3	119.6	0.7	3.1	3.1	60	56	4	6.5	6.5	57.8	55.4	2.4	4	4
9	121.1	119.8	1.3	3	3	59	56	3	6.5	6.5	57	55	2	4	4
10	120.4	119.3	1.1	3	3	58	55	3	6	6	58.2	56.4	1.8	4	4
11	119.6	118.3	1.3	3	3	58	51	7	6	6	57	56	1	3	3
12	121	116	5	3	3	59	51	8	6	6	56	54	2	3	3
13	120	118.8	1.2	2.9	2.9	58	52	6	6	6	56.4	55.4	1	3	3

STASIUN II															
No	U1 : 13:00					U2 : 15:00					U3 : 17:00				
	Puncak (cm)	Lembah (cm)	H		H 1/3	Puncak (cm)	Lembah (cm)	H		H 1/3	Puncak (cm)	Lembah (cm)	H		H 1/3
14	120.6	117.7	2.9	2.9	2.9	58.5	52	6.5	6	6	56.8	54	2.8	3	3
15	119	118.4	0.6	2.7	2.7	60	53.5	6.5	6	6	58	55	3	3	3
16	119	118.3	0.7	2.4	2.4	55	53	2	5.5	5.5	56	55	1	3	3
17	120	117	3	2.3	2.3	59	55.3	3.7	5	5	57	55	2	3	3
18	121.6	118.7	2.9	2.1	3.3824	61	54	7	5	6.5294	58	55	3	3	3.6471
19	120	117	3	2		58	51	7	5		58.5	54.5	4	3	
20	120	118	2	2		56	52	4	5		58	54	4	2.8	
21	120	118.1	1.9	2		57	54	3	5		58	54	4	2.58	
22	119.8	117.7	2.1	2		58	52	6	5		57	55	2	2.5	
23	119.6	118	1.6	2		58	54	4	5		57	56	1	2.4	
24	120.2	119.2	1	2		57	52	5	5		58	54	4	2	
25	119.5	117.5	2	2		56.5	54.8	1.7	4.5		57	55	2	2	
26	118.2	117.7	0.5	2		55	54	1	4.5		55	54	1	2	
27	119.7	118	1.7	2		56	53	3	4		56	55	1	2	
28	119.1	118.6	0.5	1.9		58	52	6	4		57	56	1	2	
29	119.7	117	2.7	1.8		59	54	5	4		57	55	2	2	
30	119.5	116	3.5	1.7		59.5	55	4.5	4		58	55	3	2	
31	119.4	117	2.4	1.6		57	54	3	4		58	54	4	2	
32	118.1	117.9	0.2	1.5		58	54	4	4		57	55	2	2	
33	119.9	118.7	1.2	1.4		60	56	4	4		57	54	3	2	
34	119	118	1	1.3		59	53	6	4		56	55	1	2	
35	118	116	2	1.3		59.5	54	5.5	4		57	54	3	2	
36	118.1	117.7	0.4	1.2		59	54	5	3.7		56.58	54	2.58	1.8	
37	118.1	116.1	2	1.2		57	52	5	3		60	55	5	1.5	

STASIUN II													
U1 : 13:00					U2 : 15:00					U3 : 17:00			
No	Puncak (cm)	Lembah (cm)	H	H 1/3	Puncak (cm)	Lembah (cm)	H	H 1/3	Puncak (cm)	Lembah (cm)	H	H 1/3	
38	119.4	116.3	3.1	1.1	57.5	55.2	2.3	3	59	55	4	1.5	
39	118	116	2	1.1	58	55	3	3	59	55	4	1	
40	118.5	117.4	1.1	1	56.5	53.5	3	3	56	55	1	1	
41	118.7	117.3	1.4	1	55	54	1	3	57	54	3	1	
42	119	115	4	0.9	59	58	1	3	57	55	2	1	
43	118	117.1	0.9	0.7	57	53	4	3	58	55	3	1	
44	119.4	117.1	2.3	0.7	60	55	5	3	58	55	3	1	
45	119	117	2	0.6	60	52.5	7.5	2.5	58	56	2	1	
46	120.2	115	5.2	0.5	59	54	5	2.3	58	56	2	1	
47	119	117	2	0.5	58	54	4	2	58	54	4	1	
48	118	115	3	0.4	59	53	6	1.7	57	54	3	1	
49	120	116	4	0.2	60	54	6	1	59	57	2	1	
50	119	116	3	0.2	60	53	7	1	61	57	4	1	
51	118.9	117.1	1.8	0.2	59	54.5	4.5	1	58	56	2	1	

STASIUN III															
U1 : 13:00					U2 : 15:00					U3 : 17:00					
No	Puncak (cm)	Lembah (cm)	H	H 1/3	Puncak (cm)	Lembah (cm)	H	H 1/3	Puncak (cm)	Lembah (cm)	H	H 1/3	H 1/3		
1	35	33	2	4	43.5	43.2	0.3	0.7	0.7	30	29.5	0.5	1.3	1.3	
2	35	32	3	4	43.6	43.1	0.5	0.6	0.6	29.7	29.3	0.4	1	1	
3	36	32	4	4	43.7	43.4	0.3	0.5	0.5	29.3	28.7	0.6	1	1	
4	34	31	3	4	43.7	43.5	0.2	0.5	0.5	29.5	29.2	0.3	1	1	

STASIUN III															
No	U1 : 13:00					U2 : 15:00					U3 : 17:00				
	Puncak (cm)	Lembah (cm)	H		H 1/3	Puncak (cm)	Lembah (cm)	H		H 1/3	Puncak (cm)	Lembah (cm)	H		H 1/3
5	33	32	1	4	4	43.5	43.2	0.3	0.5	0.5	30.6	30.3	0.3	1	1
6	36	33	3	4	4	43.5	43.3	0.2	0.5	0.5	29.8	29.5	0.3	1	1
7	35	32	3	3	3	43.5	43.2	0.3	0.4	0.4	29.8	29.3	0.5	0.9	0.9
8	34	33	1	3	3	43.4	43.1	0.3	0.4	0.4	30.1	30	0.1	0.8	0.8
9	35	34	1	3	3	43.5	43.2	0.3	0.4	0.4	30	29.5	0.5	0.7	0.7
10	32	31	1	3	3	43.5	43.2	0.3	0.4	0.4	30	29.8	0.2	0.6	0.6
11	35	33	2	3	3	43.6	43.4	0.2	0.4	0.4	30	29.7	0.3	0.6	0.6
12	35	33	2	3	3	43.7	43.3	0.4	0.4	0.4	29.3	29	0.3	0.5	0.5
13	34	33	1	3	3	43.6	43.4	0.2	0.4	0.4	29.5	29.3	0.2	0.5	0.5
14	34	31	3	3	3	43.6	43.3	0.3	0.4	0.4	29.8	29.5	0.3	0.5	0.5
15	33	31	2	3	3	43.5	43.4	0.1	0.3	0.3	29.8	29.6	0.2	0.5	0.5
16	34	31	3	3	3	43.5	43.1	0.4	0.3	0.3	30.1	30	0.1	0.5	0.5
17	35	33	2	3	3	43.6	43.4	0.2	0.3	0.3	29.9	29.5	0.4	0.5	0.5
18	31	30	1	3	3.3529	43.6	43.2	0.4	0.3	0.4353	30.1	30	0.1	0.5	0.7588
19	31	30	1	3		43.5	43.3	0.2	0.3		30.2	29.8	0.4	0.5	
20	36	33	3	3		43.5	43.3	0.2	0.3		29	28.9	0.1	0.4	
21	32	31	1	2		43.5	43.3	0.2	0.3		29.5	29.3	0.2	0.4	
22	34	32	2	2		43.5	43.2	0.3	0.3		29.4	29.2	0.2	0.4	
23	35	32	3	2		43.5	43.2	0.3	0.3		28.9	28.8	0.1	0.4	
24	34	31	3	2		43.6	43.1	0.5	0.3		29	28.9	0.1	0.4	
25	36	35	1	2		43.7	43.2	0.5	0.3		29.3	29	0.3	0.3	
26	34	31	3	2		43.9	43.7	0.2	0.3		30.2	30	0.2	0.3	
27	35	31	4	2		43.8	43.2	0.6	0.3		29.8	29.5	0.3	0.3	
28	32	31	1	2		43.7	43.5	0.2	0.2		29.5	29.2	0.3	0.3	

STASIUN III												
U1 : 13:00					U2 : 15:00				U3 : 17:00			
No	Puncak (cm)	Lembah (cm)	H	H 1/3	Puncak (cm)	Lembah (cm)	H	H 1/3	Puncak (cm)	Lembah (cm)	H	H 1/3
29	35	31	4	2	43.4	43.2	0.2	0.2	29.5	29.4	0.1	0.3
30	34	32	2	2	43.4	43.2	0.2	0.2	29.9	29.4	0.5	0.3
31	34	32	2	2	43.5	43.1	0.4	0.2	30.1	30	0.1	0.3
32	35	31	4	2	43.4	43.2	0.2	0.2	30.2	29.8	0.4	0.3
33	35	32	3	1	43.4	43.2	0.2	0.2	30	29	1	0.3
34	34	33	1	1	43.6	43.5	0.1	0.2	30	29.5	0.5	0.3
35	37	36	1	1	43.6	43.2	0.4	0.2	30	29.8	0.2	0.3
36	35	33	2	1	43.5	43.4	0.1	0.2	31	30.5	0.5	0.3
37	31	30	1	1	43.5	43.4	0.1	0.2	28.5	28	0.5	0.2
38	34	32	2	1	43.5	43.4	0.1	0.2	29.5	29	0.5	0.2
39	35	32	3	1	43.5	43.1	0.4	0.2	29.6	29.3	0.3	0.2
40	36	35	1	1	43.5	43.2	0.3	0.2	29.7	29.3	0.4	0.2
41	32	31	1	1	43.5	43.2	0.3	0.2	30	29.7	0.3	0.2
42	35	34	1	1	43.5	43.3	0.2	0.2	30.3	29	1.3	0.2
43	34	31	3	1	43.6	43.4	0.2	0.2	30.5	29.8	0.7	0.2
44	34	30	4	1	43.7	43.3	0.4	0.2	30.3	30	0.3	0.1
45	34	32	2	1	43.5	43.4	0.1	0.1	29.6	29	0.6	0.1
46	35	31	4	1	43.6	43.4	0.2	0.1	29	28	1	0.1
47	35	32	3	1	43.7	43.2	0.5	0.1	29	28	1	0.1
48	34	33	1	1	43.5	43.4	0.1	0.1	29	28	1	0.1
49	32	30	2	1	43.9	43.5	0.4	0.1	30	29.1	0.9	0.1
50	33	32	1	1	43.8	43.5	0.3	0.1	30	29	1	0.1
51	36	35	1	1	43.7	43	0.7	0.1	30	29.2	0.8	0.1

STASIUN IV															
U1 : 13:00						U2 : 15:00					U3 : 17:00				
No	Puncak (cm)	Lembah (cm)	H		H 1/3	Puncak (cm)	Lembah (cm)	H		H 1/3	Puncak (cm)	Lembah (cm)	H		H 1/3
1	47	44	3	6	6	70.1	70	0.1	0.7	0.7	70.4	70.2	0.2	3	3
2	48	44	4	6	6	70.2	70.1	0.1	0.6	0.6	70.5	70.3	0.2	3	3
3	45	43	2	5	5	70	69.9	0.1	0.4	0.4	80.1	80	0.1	2	2
4	46	43	3	5	5	70.3	70.1	0.2	0.3	0.3	70.8	70.6	0.2	2	2
5	45	44	1	5	5	70.4	70.2	0.2	0.3	0.3	70.8	70.6	0.2	2	2
6	49	46	3	5	5	70.4	70.2	0.2	0.3	0.3	70.7	70.5	0.2	2	2
7	48	45	3	4	4	70.4	70.1	0.3	0.3	0.3	70.9	70.8	0.1	2	2
8	48	45	3	4	4	70.2	70.1	0.1	0.3	0.3	77.9	77.7	0.2	2	2
9	46	44	2	4	4	70.2	70.1	0.1	0.3	0.3	77.9	77.7	0.2	2	2
10	47	44	3	4	4	70.1	69.9	0.2	0.3	0.3	77.9	77.3	0.6	1.5	1.5
11	48	46	2	4	4	70.5	70.3	0.2	0.3	0.3	77.8	77.6	0.2	1.5	1.5
12	46	44	2	4	4	70.6	70.5	0.1	0.3	0.3	77.8	77.6	0.2	1.5	1.5
13	46	43	3	4	4	70.5	70.4	0.1	0.3	0.3	77.6	77.5	0.1	1.2	1.2
14	47	44	3	4	4	70.6	70.3	0.3	0.2	0.2	77.6	77.5	0.1	1.2	1.2
15	49	46	3	4	4	70.9	70.6	0.3	0.2	0.2	77.8	77.5	0.3	1	1
16	49	45	4	4	4	70.9	70.2	0.7	0.2	0.2	77.7	77.6	0.1	1	1
17	48	44	4	4	4	70.6	70.4	0.2	0.2	0.2	77.7	77.6	0.1	1	1
18	47	43	4	4	4.4706	70.8	70.6	0.2	0.2	0.3235	77.5	76.3	1.2	1	1.7588
19	45	43	2	4		70.8	70.2	0.6	0.2		78.2	77	1.2	1	
20	48	45	3	4		70.8	70.5	0.3	0.2		77.7	76.2	1.5	1	
21	47	43	4	3		70.5	70.3	0.2	0.2		79	78	1	1	
22	46	43	3	3		70.4	70.3	0.1	0.2		76	75	1	1	
23	46	43	3	3		70.5	70.3	0.2	0.2		76.5	75	1.5	1	
24	47	46	1	3		70.5	70.2	0.3	0.2		78	77	1	1	

STASIUN IV													
U1 : 13:00					U2 : 15:00					U3 : 17:00			
No	Puncak (cm)	Lembah (cm)	H	H 1/3	Puncak (cm)	Lembah (cm)	H	H 1/3	Puncak (cm)	Lembah (cm)	H	H 1/3	
25	49	45	4	3	70.3	70.1	0.2	0.2	78	76	2	1	
26	47	46	1	3	70.4	70.3	0.1	0.2	79	78	1	1	
27	49	44	5	3	70.5	70.3	0.2	0.2	77	76	1	1	
28	48	44	4	3	70.4	70.2	0.2	0.2	78.5	77.5	1	1	
29	47	45	2	3	70.3	70.2	0.1	0.2	77	76	1	1	
30	48	44	4	3	70.4	70.2	0.2	0.2	78	76	2	1	
31	47	44	3	3	70.5	70.3	0.2	0.2	77	76	1	1	
32	47	45	2	3	70.1	70	0.1	0.2	77	76	1	0.6	
33	48	44	4	3	70.4	70.2	0.2	0.2	79	78	1	0.5	
34	49	45	4	3	70.5	70.3	0.2	0.2	78	77	1	0.5	
35	48	44	4	3	70.5	70.1	0.4	0.1	78	77	1	0.5	
36	49	44	5	2	70.3	70.2	0.1	0.1	79	76	3	0.3	
37	41	40	1	2	70.3	70.2	0.1	0.1	79	77	2	0.2	
38	47	44	3	2	70.2	70.1	0.1	0.1	78	77.5	0.5	0.2	
39	45	44	1	2	70.4	70.2	0.2	0.1	78	77	1	0.2	
40	49	43	6	2	70.4	70.2	0.2	0.1	79	77	2	0.2	
41	47	44	3	2	70.4	70.3	0.1	0.1	78	76	2	0.2	
42	48	44	4	2	70.4	70.2	0.2	0.1	77	76	1	0.2	
43	47	45	2	2	70.5	70.3	0.2	0.1	77	76	1	0.2	
44	48	43	5	2	70.5	70.4	0.1	0.1	77	75	2	0.2	
45	49	43	6	2	70.5	70.2	0.3	0.1	77	75	2	0.2	
46	47	45	2	2	70.5	70.4	0.1	0.1	76.5	75	1.5	0.1	
47	48	44	4	1	70.6	70.3	0.3	0.1	76	75	1	0.1	
48	47	45	2	1	70.6	70.3	0.3	0.1	76	75.5	0.5	0.1	

STASIUN IV

U1 : 13:00**U2 : 15:00****U3 : 17:00**

No	Puncak (cm)	Lembah (cm)	H	H 1/3	Puncak (cm)	Lembah (cm)	H	H 1/3	Puncak (cm)	Lembah (cm)	H	H 1/3
49	46	44	2	1	70.7	70.4	0.3	0.1	76	75.5	0.5	0.1
50	49	45	4	1	70.5	70.3	0.2	0.1	78	75	3	0.1
51	49	44	5	1	70.9	70.6	0.3	0.1	76	75	1	0.1

Lampiran 5. Data Sekunder Gelombang Tahun 2004, 2012, dan Tahun 2021

2004			2012			2021		
Waktu	Arah	Tinggi Gelombang	Waktu	Arah	Tinggi Gelombang	Waktu	Arah	Tinggi Gelombang
2004-05-01T12:00:00	116	0.56	2012-05-01T12:00:00	126	0.32	2021-05-01T12:00:00	121	0.49
2004-05-02T12:00:00	112	0.61	2012-05-02T12:00:00	113	0.53	2021-05-02T12:00:00	118	0.69
2004-05-03T12:00:00	115	0.48	2012-05-03T12:00:00	118	0.46	2021-05-03T12:00:00	118	0.70
2004-05-04T12:00:00	120	0.56	2012-05-04T12:00:00	135	0.30	2021-05-04T12:00:00	113	0.75
2004-05-05T12:00:00	119	0.42	2012-05-05T12:00:00	131	0.28	2021-05-05T12:00:00	114	0.68
2004-05-06T12:00:00	123	0.55	2012-05-06T12:00:00	164	0.21	2021-05-06T12:00:00	118	0.44
2004-05-07T12:00:00	132	0.38	2012-05-07T12:00:00	183	0.21	2021-05-07T12:00:00	146	0.21
2004-05-08T12:00:00	145	0.27	2012-05-08T12:00:00	207	0.43	2021-05-08T12:00:00	185	0.28
2004-05-09T12:00:00	169	0.25	2012-05-09T12:00:00	198	0.44	2021-05-09T12:00:00	156	0.28
2004-05-10T12:00:00	139	0.42	2012-05-10T12:00:00	200	0.37	2021-05-10T12:00:00	123	0.65
2004-05-11T12:00:00	127	0.37	2012-05-11T12:00:00	219	0.42	2021-05-11T12:00:00	114	0.55
2004-05-12T12:00:00	156	0.29	2012-05-12T12:00:00	247	0.48	2021-05-12T12:00:00	117	1.08
2004-05-13T12:00:00	141	0.30	2012-05-13T12:00:00	188	0.31	2021-05-13T12:00:00	120	0.58
2004-05-14T12:00:00	133	0.28	2012-05-14T12:00:00	130	0.39	2021-05-14T12:00:00	120	0.64
2004-05-15T12:00:00	124	0.42	2012-05-15T12:00:00	125	0.58	2021-05-15T12:00:00	119	0.67
2004-05-16T12:00:00	122	0.34	2012-05-16T12:00:00	121	0.50	2021-05-16T12:00:00	121	0.58
2004-05-17T12:00:00	123	0.59	2012-05-17T12:00:00	118	0.60	2021-05-17T12:00:00	109	0.56
2004-05-18T12:00:00	127	0.47	2012-05-18T12:00:00	112	0.56	2021-05-18T12:00:00	116	0.72
2004-05-19T12:00:00	125	0.66	2012-05-19T12:00:00	117	0.68	2021-05-19T12:00:00	119	0.63
2004-05-20T12:00:00	123	0.63	2012-05-20T12:00:00	127	0.53	2021-05-20T12:00:00	118	0.48
2004-05-21T12:00:00	125	0.36	2012-05-21T12:00:00	136	0.65	2021-05-21T12:00:00	138	0.35
2004-05-22T12:00:00	119	0.29	2012-05-22T12:00:00	139	0.57	2021-05-22T12:00:00	124	0.37
2004-05-23T12:00:00	116	0.33	2012-05-23T12:00:00	141	0.49	2021-05-23T12:00:00	129	0.25

2004			2012			2021		
Waktu	Arah	Tinggi Gelombang	Waktu	Arah	Tinggi Gelombang	Waktu	Arah	Tinggi Gelombang
2004-05-24T12:00:00	123	0.42	2012-05-24T12:00:00	165	0.71	2021-05-24T12:00:00	115	0.53
2004-05-25T12:00:00	125	0.39	2012-05-25T12:00:00	142	0.65	2021-05-25T12:00:00	119	0.57
2004-05-26T12:00:00	130	0.30	2012-05-26T12:00:00	129	0.68	2021-05-26T12:00:00	118	0.58
2004-05-27T12:00:00	181	0.20	2012-05-27T12:00:00	130	0.73	2021-05-27T12:00:00	113	1.04
2004-05-28T12:00:00	203	0.35	2012-05-28T12:00:00	135	0.62	2021-05-28T12:00:00	113	0.41
2004-05-29T12:00:00	205	0.27	2012-05-29T12:00:00	169	0.47	2021-05-29T12:00:00	122	0.44
2004-05-30T12:00:00	214	0.40	2012-05-30T12:00:00	141	0.58	2021-05-30T12:00:00	132	0.34
2004-05-31T12:00:00	262	0.38	2012-05-31T12:00:00	134	0.52	2021-05-31T12:00:00	124	0.43
Tinggi Rata-rata		0.40			0.49			0.55

Lampiran 6. Data Sekunder Kecepatan Dan Arah Angin Tahun 2004, 2012, dan Tahun 2021

2004					2012					2021				
Bulan	Hari	Jam	Arah	Kecepatan	Bulan	Hari	Jam	Arah	Kecepatan	Bulan	Hari	Jam	Arah	Kecepatan
5	1	1	100	4.0	5	1	1	120	4.3	5	1	1	96	2.9
5	1	2	123	5.3	5	1	2	127	2.9	5	1	2	126	3.7
5	1	3	102	5.2	5	1	3	112	3.0	5	1	3	105	4.6
5	1	4	92	3.8	5	1	4	105	3.1	5	1	4	94	3.8
5	2	5	105	4.8	5	2	5	77	2.9	5	2	5	86	3.8
5	2	6	115	6.4	5	2	6	137	3.0	5	2	6	113	4.5
5	2	7	97	5.2	5	2	7	97	4.8	5	2	7	112	6.1
5	2	8	101	4.8	5	2	8	89	3.4	5	2	8	89	4.0
5	3	9	102	4.9	5	3	9	104	4.4	5	3	9	95	3.5
5	3	10	109	4.6	5	3	10	116	4.4	5	3	10	124	6.2
5	3	11	106	4.7	5	3	11	104	4.1	5	3	11	110	6.7
5	3	12	95	3.4	5	3	12	99	4.5	5	3	12	82	4.2
5	4	13	93	4.2	5	4	13	98	4.0	5	4	13	90	3.5
5	4	14	118	5.9	5	4	14	130	1.7	5	4	14	116	5.3
5	4	15	107	4.7	5	4	15	351	2.0	5	4	15	107	5.7
5	4	16	94	4.3	5	4	16	14	1.1	5	4	16	98	5.4
5	5	17	84	2.4	5	5	17	360	0.4	5	5	17	107	5.5
5	5	18	127	4.4	5	5	18	133	2.5	5	5	18	106	6.4
5	5	19	108	5.4	5	5	19	110	3.1	5	5	19	107	5.3
5	5	20	109	4.3	5	5	20	88	3.6	5	5	20	106	5.7
5	6	21	103	4.5	5	6	21	82	1.4	5	6	21	116	5.8
5	6	22	120	6.2	5	6	22	290	1.7	5	6	22	114	4.4
5	6	23	119	5.7	5	6	23	30	1.3	5	6	23	97	3.1
5	6	24	109	4.3	5	6	24	64	0.7	5	6	24	29	0.8

2004					2012					2021				
Bulan	Hari	Jam	Arah	Kecepatan	Bulan	Hari	Jam	Arah	Kecepatan	Bulan	Hari	Jam	Arah	Kecepatan
5	7	1	114	3.1	5	7	1	95	0.5	5	7	1	108	1.1
5	7	2	137	4.6	5	7	2	226	2.2	5	7	2	163	1.8
5	7	3	112	4.1	5	7	3	174	0.6	5	7	3	15	0.3
5	7	4	106	3.3	5	7	4	299	2.1	5	7	4	351	1.5
5	8	5	109	4.9	5	8	5	310	2.8	5	8	5	336	2.1
5	8	6	153	3.6	5	8	6	280	3.6	5	8	6	237	2.4
5	8	7	133	3.2	5	8	7	323	2.7	5	8	7	188	1.8
5	8	8	140	4.7	5	8	8	7	1.4	5	8	8	124	0.6
5	9	9	134	2.3	5	9	9	220	1.0	5	9	9	105	1.5
5	9	10	142	3.3	5	9	10	229	3.7	5	9	10	113	2.4
5	9	11	193	1.0	5	9	11	267	3.0	5	9	11	98	1.9
5	9	12	22	1.0	5	9	12	302	2.3	5	9	12	95	2.4
5	10	13	14	0.5	5	10	13	291	1.4	5	10	13	107	3.3
5	10	14	146	3.0	5	10	14	270	3.1	5	10	14	128	4.8
5	10	15	109	4.3	5	10	15	261	2.4	5	10	15	110	5.9
5	10	16	96	3.4	5	10	16	296	1.5	5	10	16	97	5.5
5	11	17	102	3.3	5	11	17	316	3.9	5	11	17	96	4.9
5	11	18	136	4.8	5	11	18	290	3.2	5	11	18	113	6.7
5	11	19	111	4.2	5	11	19	298	3.2	5	11	19	104	6.4
5	11	20	96	3.5	5	11	20	338	3.0	5	11	20	93	4.8
5	12	21	116	3.1	5	12	21	320	4.1	5	12	21	98	5.6
5	12	22	146	3.5	5	12	22	305	4.9	5	12	22	114	7.6
5	12	23	103	3.0	5	12	23	330	3.3	5	12	23	108	7.3
5	12	24	78	2.3	5	12	24	279	0.9	5	12	24	95	5.6
5	13	1	100	2.3	5	13	1	71	0.8	5	13	1	101	6.3
5	13	2	137	3.2	5	13	2	188	1.2	5	13	2	113	7.2

2004					2012					2021				
Bulan	Hari	Jam	Arah	Kecepatan	Bulan	Hari	Jam	Arah	Kecepatan	Bulan	Hari	Jam	Arah	Kecepatan
5	13	3	117	4.2	5	13	3	101	1.8	5	13	3	110	5.8
5	13	4	97	3.4	5	13	4	89	3.3	5	13	4	104	4.8
5	14	5	95	3.1	5	14	5	98	4.1	5	14	5	104	6.0
5	14	6	138	3.7	5	14	6	135	2.3	5	14	6	115	6.4
5	14	7	115	3.6	5	14	7	105	2.4	5	14	7	105	5.2
5	14	8	90	3.6	5	14	8	98	3.0	5	14	8	95	4.5
5	15	9	94	3.2	5	15	9	110	3.0	5	15	9	100	4.9
5	15	10	132	4.5	5	15	10	136	3.9	5	15	10	118	6.5
5	15	11	114	4.9	5	15	11	101	5.5	5	15	11	112	5.4
5	15	12	96	3.6	5	15	12	87	4.2	5	15	12	99	4.8
5	16	13	100	4.2	5	16	13	92	2.8	5	16	13	106	5.4
5	16	14	133	4.4	5	16	14	110	4.8	5	16	14	119	6.1
5	16	15	108	4.3	5	16	15	101	4.1	5	16	15	111	4.9
5	16	16	101	3.5	5	16	16	103	4.4	5	16	16	107	4.8
5	17	17	106	4.7	5	17	17	81	3.1	5	17	17	99	4.9
5	17	18	127	6.0	5	17	18	105	4.3	5	17	18	105	6.3
5	17	19	115	5.8	5	17	19	104	5.4	5	17	19	98	4.7
5	17	20	103	4.1	5	17	20	98	5.5	5	17	20	104	5.5
5	18	21	109	4.6	5	18	21	96	4.3	5	18	21	103	5.8
5	18	22	133	6.1	5	18	22	113	5.9	5	18	22	106	6.6
5	18	23	122	6.3	5	18	23	77	2.8	5	18	23	112	4.6
5	18	24	118	5.7	5	18	24	102	4.0	5	18	24	102	3.6
5	19	1	109	5.0	5	19	1	96	3.9	5	19	1	88	3.7
5	19	2	123	5.8	5	19	2	118	5.5	5	19	2	125	4.6
5	19	3	116	6.5	5	19	3	108	5.6	5	19	3	115	5.4
5	19	4	100	5.4	5	19	4	101	5.0	5	19	4	106	5.2

2004					2012					2021				
Bulan	Hari	Jam	Arah	Kecepatan	Bulan	Hari	Jam	Arah	Kecepatan	Bulan	Hari	Jam	Arah	Kecepatan
5	20	5	98	5.2	5	20	5	104	4.3	5	20	5	100	3.9
5	20	6	127	5.5	5	20	6	130	6.8	5	20	6	119	5.0
5	20	7	111	6.2	5	20	7	113	6.3	5	20	7	105	4.8
5	20	8	82	3.7	5	20	8	100	5.2	5	20	8	105	3.6
5	21	9	57	1.8	5	21	9	114	5.6	5	21	9	94	2.5
5	21	10	157	3.5	5	21	10	129	6.8	5	21	10	133	3.8
5	21	11	119	5.1	5	21	11	123	5.1	5	21	11	119	3.9
5	21	12	91	4.5	5	21	12	117	3.7	5	21	12	97	2.5
5	22	13	86	3.3	5	22	13	116	4.3	5	22	13	132	2.2
5	22	14	187	1.1	5	22	14	128	5.4	5	22	14	137	4.2
5	22	15	98	1.3	5	22	15	106	4.2	5	22	15	105	4.2
5	22	16	87	2.7	5	22	16	106	4.1	5	22	16	86	2.7
5	23	17	95	3.4	5	23	17	111	4.3	5	23	17	103	2.5
5	23	18	138	3.9	5	23	18	130	5.2	5	23	18	136	3.4
5	23	19	104	4.4	5	23	19	131	4.4	5	23	19	76	1.2
5	23	20	104	4.0	5	23	20	121	4.3	5	23	20	28	1.7
5	24	21	90	3.3	5	24	21	110	3.8	5	24	21	94	1.7
5	24	22	126	4.3	5	24	22	131	5.3	5	24	22	120	4.8
5	24	23	117	5.5	5	24	23	106	4.2	5	24	23	102	5.2
5	24	24	107	4.6	5	24	24	106	4.3	5	24	24	91	2.9
5	25	1	100	3.6	5	25	1	101	3.3	5	25	1	102	3.7
5	25	2	141	3.8	5	25	2	121	5.5	5	25	2	129	5.1
5	25	3	120	4.5	5	25	3	118	5.8	5	25	3	110	5.2
5	25	4	102	4.0	5	25	4	113	4.5	5	25	4	95	4.3
5	26	5	94	3.1	5	26	5	110	5.2	5	26	5	94	4.4
5	26	6	134	3.8	5	26	6	116	6.1	5	26	6	117	6.5

2004					2012					2021				
Bulan	Hari	Jam	Arah	Kecepatan	Bulan	Hari	Jam	Arah	Kecepatan	Bulan	Hari	Jam	Arah	Kecepatan
5	26	7	119	3.5	5	26	7	107	4.6	5	26	7	107	6.6
5	26	8	87	1.7	5	26	8	99	4.6	5	26	8	95	5.2
5	27	9	82	1.9	5	27	9	110	5.7	5	27	9	97	5.4
5	27	10	189	1.6	5	27	10	109	5.4	5	27	10	106	7.1
5	27	11	82	1.2	5	27	11	112	5.0	5	27	11	101	6.6
5	27	12	292	1.5	5	27	12	111	5.7	5	27	12	88	5.3
5	28	13	286	1.2	5	28	13	104	5.1	5	28	13	94	6.1
5	28	14	244	3.4	5	28	14	125	5.7	5	28	14	112	7.2
5	28	15	296	1.3	5	28	15	116	4.1	5	28	15	105	6.6
5	28	16	261	1.2	5	28	16	119	3.7	5	28	16	96	4.2
5	29	17	311	2.4	5	29	17	118	3.0	5	29	17	97	4.8
5	29	18	280	3.5	5	29	18	137	4.5	5	29	18	124	5.6
5	29	19	239	1.7	5	29	19	122	4.0	5	29	19	118	5.1
5	29	20	240	1.0	5	29	20	94	3.0	5	29	20	93	2.9
5	30	21	311	3.1	5	30	21	99	2.7	5	30	21	102	2.8
5	30	22	295	3.7	5	30	22	140	5.6	5	30	22	147	4.0
5	30	23	323	3.7	5	30	23	109	4.6	5	30	23	125	4.1
5	30	24	317	4.2	5	30	24	96	3.8	5	30	24	102	3.1
5	31	1	294	4.0	5	31	1	98	3.1	5	31	1	91	2.7
5	31	2	262	2.9	5	31	2	130	5.0	5	31	2	132	4.2
5	31	3	5	1.0	5	31	3	117	5.0	5	31	3	110	4.5
5	31	4	330	1.9	5	31	4	102	5.2	5	31	4	109	4.2

Lampiran 7. Data Kemiringan Lereng Pantai

Stasiun	Ulangan	Koordinat	X (m)	Y (m)	Kemiringan		Kategori
					(deg)	(%)	
I	1	5°38'54.0" S, 119°35'50.5" E	20	0.53	1.37	2.4	Datar
	2	5°38'52.9" S 119°35'50.8" E	20	0.59	1.54	2.7	Datar
	3	5°38'50.8" S 119°35'51.3" E	20	0.64	1.66	2.95	Datar
II	1	5°38'48.6" S 119°35'43.8" E	20	1.1	3.148	5.5	Miring
	2	5°39'48.2" S 119°35'33.3" E	20	5.6	15.642	28	Miring
III	1	5°39'01.1" S 119°35'57.2" E	20	0.81	2.319	4.05	Landai
	2	5°39'01.2" S 119°35'57.2" E	20	0.86	2.462	4.3	Landai
	3	5°39'03.4" S 119°35'57.4" E	20	0.9	2.576	4.5	Landai
IV	1	5°38'51.4" S 119°36'13.1" E	20	0.67	1.918	3.35	Landai
	2	5°38'51.6" S 119°36'14.2" E	20	0.72	2.061	3.6	Landai
	3	5°38'51.7" S 119°36'16.4" E	20	0.78	2.233	3.9	Landai

Lampiran 8. Data Ukuran Butir Sedimen

Stasiun I Menuju Pasang

Arah Utara dan Selatan

Utara			Selatan		
Mesh Zise (mm)	berat	berat awal	Mesh Zise (mm)	berat	berat awal
2	0		2	0	
1	0.077		1	0.052	
0.5	0.083	0.201	0.5	0.068	0.158
0.25	0.026		0.25	0.025	
0.125	0.005		0.125	0.01	
0.063	0		0.063	0	
< 0,063	0		< 0,063	0	

Arah barat dan Timur

Barat			Timur		
Mesh Zise (mm)	berat	berat awal	Mesh Zise (mm)	berat	berat awal
2	0		2	0	
1	0.16		1	0.107	
0.5	0.208	0.452	0.5	0.08	0.230
0.25	0.074		0.25	0.042	
0.125	0		0.125	0	
0.063	0		0.063	0	
< 0,063	0		< 0,063	0	

Stasiun II

Arah utara dan selatan

Utara			Selatan		
Mesh Zise (mm)	berat	berat awal	Mesh Zise (mm)	berat	berat awal
2	0		2	0	
1	0.068		1	0.084	
0.5	0.064	0.18	0.5	0.054	0.174
0.25	0.038		0.25	0.026	
0.125	0		0.125	0	
0.063	0		0.063	0	
< 0,063	0		< 0,063	0	

Arah barat dan timur

Barat			Timur		
Mesh Zise (mm)	berat	berat awal	Mesh Zise (mm)	berat	berat awal
2	0		2	0	
1	0.094		1	0.061	
0.5	0.056		0.5	0.043	
0.25	0.012	0.165	0.25	0.03	0.144
0.125	0		0.125	0	
0.063	0		0.063	0	
< 0,063	0		< 0,063	0	

Stasiun III

Arah utara dan selatan

Utara			Selatan		
Mesh Zise (mm)	berat	berat awal	Mesh Zise (mm)	berat	berat awal
2	0.014		2	0.04	
1	0.088		1	0.102	
0.5	0.283		0.5	0.398	
0.25	0.67	3.852	0.25	0.928	4.872
0.125	0.884		0.125	1.081	
0.063	0.951		0.063	1.374	
< 0,063	0.717		< 0,063	0.882	

Arah barat dan timur

Utara			Selatan		
Mesh Zise (mm)	berat	berat awal	Mesh Zise (mm)	berat	berat awal
2	0	7.119	2	0	4.595
1	0.138		1	0.092	
0.5	0.622		0.5	0.429	
0.25	1.268		0.25	0.915	
0.125	1.647		0.125	1.167	
0.063	2.062		0.063	1.015	
< 0,063	1.097		< 0,063	0.739	

Stasiun IV

Arah utara dan selatan

Utara			Selatan		
Mesh Zise (mm)	berat	berat awal	Mesh Zise (mm)	berat	berat awal
2	0		2	0	
1	0.004		1	0.004	
0.5	0.024		0.5	0.022	
0.25	0.087	0.83	0.25	0.101	0.872
0.125	0.137		0.125	0.175	
0.063	0.23		0.063	0.222	
< 0,063	0.199		< 0,063	0.233	

Arah barat dan timur

Barat			Timur		
Mesh Zise (mm)	berat	berat awal	Mesh Zise (mm)	berat	berat awal
2	0		2	0	
1	0		1	0.009	
0.5	0.012		0.5	0.017	
0.25	0.034	0.297	0.25	0.073	0.474
0.125	0.057		0.125	0.076	
0.063	0.071		0.063	0.139	
< 0,063	0.073		< 0,063	0.141	

Menuju surut

Stasiun I

Arah utara dan selatan

Utara			Selatan		
Mesh Zise (mm)	berat	berat awal	Mesh Zise (mm)	berat	berat awal
2	0		2	0	
1	0.172		1	0.146	
0.5	0.209		0.5	0.237	
0.25	0.063	0.487	0.25	0.083	0.466
0.125	0.023		0.125	0	
0.063	0		0.063	0	
< 0,063	0		< 0,063	0	

Arah barat dan timur

Barat			Timur		
Mesh Zise (mm)	berat	berat awal	Mesh Zise (mm)	berat	berat awal
2	0		2	0	
1	0.068		1	0.093	
0.5	0.128		0.5	0.196	
0.25	0.075	0.287	0.25	0.073	0.382
0.125	0.016		0.125	0	
0.063	0		0.063	0	
< 0,063	0		< 0,063	0	

Stasiun II

Arah utara dan selatan

Utara			Selatan		
Mesh Zise (mm)	berat	berat awal	Mesh Zise (mm)	berat	berat awal
2	0		2	0	
1	0.089		1	0.062	
0.5	0.099		0.5	0.069	
0.25	0.031	0.223	0.25	0.036	0.167
0.125	0		0.125	0	
0.063	0		0.063	0	
< 0,063	0		< 0,063	0	

Arah barat dan timur

Barat			Timur		
Mesh Zise (mm)	berat	berat awal	Mesh Zise (mm)	berat	berat awal
2	0		2	0	
1	0.069		1	0.048	
0.5	0.047		0.5	0.076	
0.25	0.022	0.138	0.25	0.027	0.151
0.125	0		0.125	0	
0.063	0		0.063	0	
< 0,063	0		< 0,063	0	

Stasiun III

Arah utara dan selatan

Utara			Selatan		
Mesh Zise (mm)	berat	berat awal	Mesh Zise (mm)	berat	berat awal
2	0		2	0	
1	0.035		1	0.024	
0.5	0.127		0.5	0.163	
0.25	0.31	1.8	0.25	0.377	2.301
0.125	0.385		0.125	0.499	
0.063	0.523		0.063	0.589	
< 0,063	0.46		< 0,063	0.542	

Arah barat dan timur

Barat			Timur		
Mesh Zise (mm)	berat	berat awal	Mesh Zise (mm)	berat	berat awal
2	0		2	0.004	
1	0.023		1	0.056	
0.5	0.088		0.5	0.215	
0.25	0.154	0.867	0.25	0.424	2.378
0.125	0.2		0.125	0.545	
0.063	0.196		0.063	0.513	
< 0,063	0.168		< 0,063	0.389	

Stasiun IV

Arah utara dan selatan

Utara			Selatan		
Mesh Zise (mm)	berat	berat awal	Mesh Zise (mm)	berat	berat awal
2	0		2	0	
1	0.022		1	0.043	
0.5	0.119		0.5	0.112	
0.25	0.538	4.628	0.25	0.487	4.188
0.125	0.788		0.125	0.79	
0.063	1.45		0.063	1.427	
< 0,063	1.18		< 0,063	0.869	

Arah barat dan timur

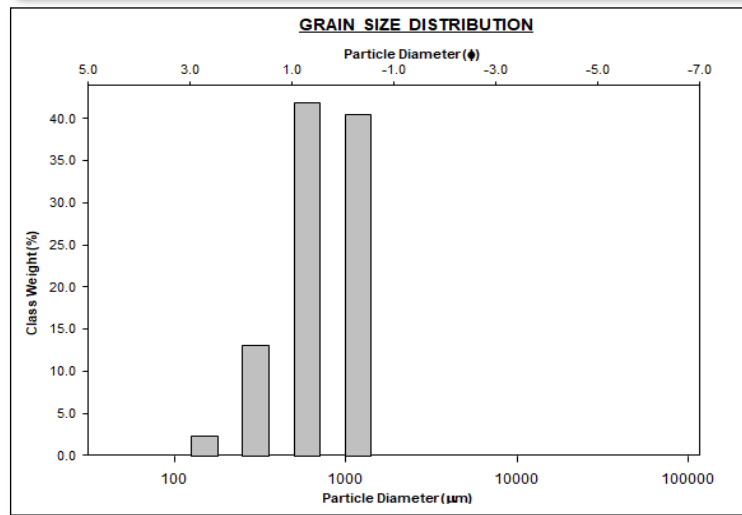
Barat			Timur		
Mesh Zise (mm)	berat	berat awal	Mesh Zise (mm)	berat	berat awal
2	0		2	0	
1	0.04		1	0.023	
0.5	0.125		0.5	0.115	
0.25	0.466	4.148	0.25	0.475	4.69
0.125	0.835		0.125	0.973	
0.063	1.258		0.063	1.703	
< 0,063	0.982		< 0,063	0.905	

Lampiran 9. Diagram Hasil Pengolahan Gradistat Ukuran Butir pada Sedimen Trap

a. Stasiun 1 Menuju Pasang

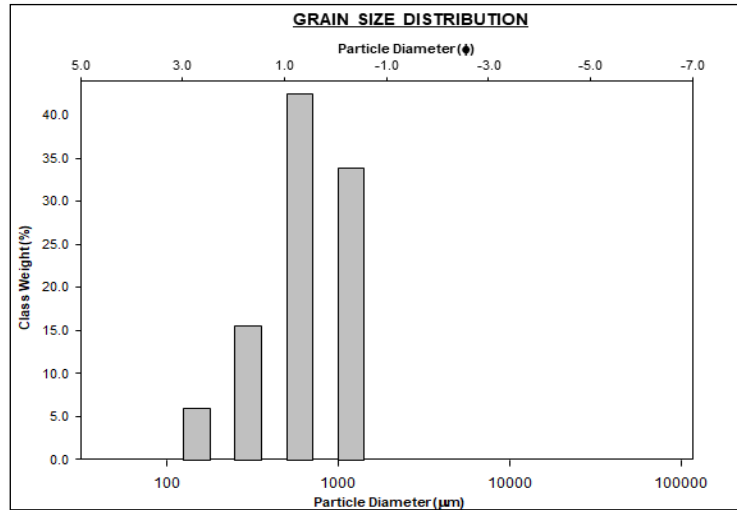
- Arah utara

SAMPLE STATISTICS						
SAMPLE IDENTITY: Stasiun 1 U MP			ANALYST & DATE: Grain Size, 5/22/22			
SAMPLE TYPE: Trimodal, Moderately Sorted			TEXTURAL GROUP: Sand			
SEDIMENT NAME: Moderately Sorted Coarse Sand						
	μm	ϕ	GRAIN SIZE DISTRIBUTION			
MODE 1:	605.0	0.747	GRAVEL: 0.0%	COARSE SAND: 43.5%		
MODE 2:	1200.0	-0.243	SAND: 100.0%	MEDIUM SAND: 13.6%		
MODE 3:	302.5	1.747	MUD: 0.0%	FINE SAND: 2.6%		
D_{10} :	302.4	-0.365	V COARSE GRAVEL: 0.0%		V COARSE SILT: 0.0%	
MEDIAN or D_{50} :	656.6	0.607	COARSE GRAVEL: 0.0%		COARSE SILT: 0.0%	
D_{90} :	1287.9	1.726	MEDIUM GRAVEL: 0.0%		MEDIUM SILT: 0.0%	
(D_{90} / D_{10}) :	4.259	-4.728	FINE GRAVEL: 0.0%		FINE SILT: 0.0%	
$(D_{90} - D_{10})$:	985.5	2.091	V FINE GRAVEL: 0.0%		V FINE SILT: 0.0%	
(D_{75} / D_{25}) :	2.117	-4.869	V COARSE SAND: 40.3%		CLAY: 0.0%	
$(D_{75} - D_{25})$:	599.7	1.082				
	METHOD OF MOMENTS			FOLK & WARD METHOD		
	Arithmetic	Geometric	Logarithmic	Geometric	Logarithmic	Description
	μm	μm	ϕ	μm	ϕ	
MEAN (\bar{x}):	791.8	689.6	0.536	657.2	0.606	Coarse Sand
SORTING (σ):	354.4	1.703	0.768	1.745	0.803	Moderately Sorted
SKEWNESS ($S\bar{x}$):	0.040	-0.737	0.737	-0.057	0.057	Symmetrical
KURTOSIS ($K\bar{x}$):	1.514	3.030	3.030	0.885	0.885	Platykurtic



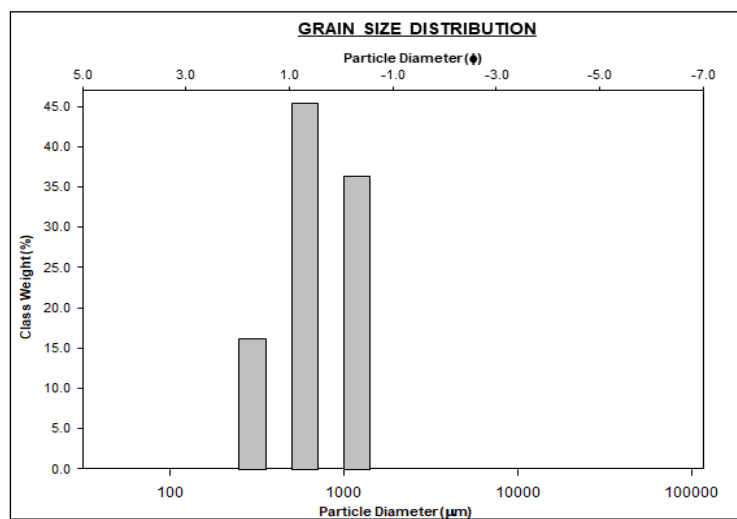
- Arah selatan

SAMPLE STATISTICS						
SAMPLE IDENTITY: Stasiun 1 S MP			ANALYST & DATE: Grain Size, 5/22/22			
SAMPLE TYPE: Trimodal, Moderately Sorted			TEXTURAL GROUP: Sand			
SEDIMENT NAME: Moderately Sorted Coarse Sand						
	μm	ϕ	GRAIN SIZE DISTRIBUTION			
MODE 1:	605.0	0.747	GRAVEL: 0.0%	COARSE SAND: 43.9%		
MODE 2:	1200.0	-0.243	SAND: 100.0%	MEDIUM SAND: 16.1%		
MODE 3:	302.5	1.747	MUD: 0.0%	FINE SAND: 6.5%		
D_{10} :	270.0	-0.341	V COARSE GRAVEL: 0.0%		V COARSE SILT: 0.0%	
MEDIAN or D_{50} :	622.5	0.684	COARSE GRAVEL: 0.0%		COARSE SILT: 0.0%	
D_{90} :	1266.4	1.889	MEDIUM GRAVEL: 0.0%		MEDIUM SILT: 0.0%	
(D_{90} / D_{10}) :	4.690	-5.543	FINE GRAVEL: 0.0%		FINE SILT: 0.0%	
$(D_{90} - D_{10})$:	996.3	2.229	V FINE GRAVEL: 0.0%		V FINE SILT: 0.0%	
(D_{75} / D_{25}) :	2.137	-7.859	V COARSE SAND: 33.5%		CLAY: 0.0%	
$(D_{75} - D_{25})$:	579.8	1.096				
	METHOD OF MOMENTS			FOLK & WARD METHOD		
	Arithmetic	Geometric	Logarithmic	Geometric	Logarithmic	Description
	μm	μm	ϕ	μm	ϕ	
MEAN (\bar{x}):	726.6	613.6	0.705	611.3	0.710	Coarse Sand
SORTING (σ):	363.2	1.818	0.862	1.924	0.944	Moderately Sorted
SKEWNESS ($S\bar{x}$):	0.215	-0.685	0.685	-0.155	0.155	Fine Skewed
KURTOSIS ($K\bar{x}$):	1.676	2.823	2.823	1.124	1.124	Leptokurtic



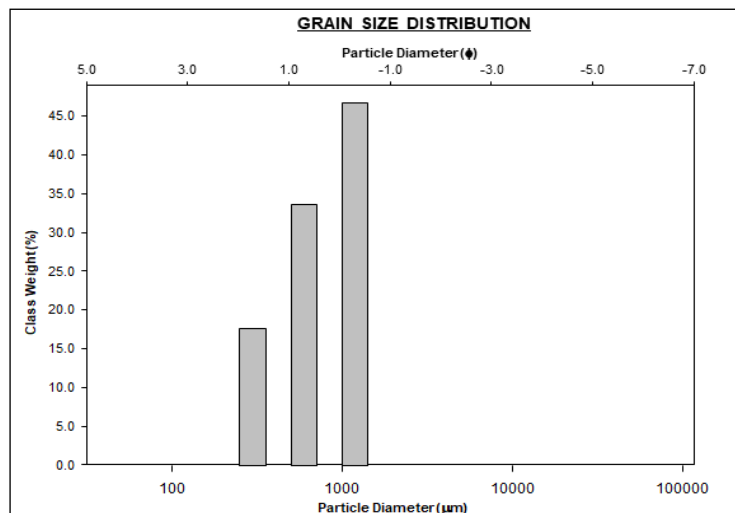
- Arah barat

SAMPLE STATISTICS						
SAMPLE IDENTITY: Stasiun 1 B MP			ANALYST & DATE: Grain Size, 5/22/22			
SAMPLE TYPE: Trimodal, Moderately Sorted			TEXTURAL GROUP: Sand			
SEDIMENT NAME: Moderately Sorted Coarse Sand						
	μm	φ	GRAIN SIZE DISTRIBUTION			
MODE 1:	605.0	0.747	GRAVEL:	0.0%	COARSE SAND:	47.1%
MODE 2:	1200.0	-0.243	SAND:	100.0%	MEDIUM SAND:	16.7%
MODE 3:	302.5	1.747	MUD:	0.0%	FINE SAND:	0.0%
D ₁₀ :	308.2	-0.351			V FINE SAND:	0.0%
MEDIAN or D ₅₀ :	640.6	0.642	V COARSE GRAVEL:	0.0%	V COARSE SILT:	0.0%
D ₉₀ :	1275.7	1.698	COARSE GRAVEL:	0.0%	COARSE SILT:	0.0%
(D ₉₀ / D ₁₀):	4.139	-4.833	MEDIUM GRAVEL:	0.0%	MEDIUM SILT:	0.0%
(D ₉₀ - D ₁₀):	967.5	2.049	FINE GRAVEL:	0.0%	FINE SILT:	0.0%
(D ₇₅ / D ₂₅):	2.087	-6.068	V FINE GRAVEL:	0.0%	V FINE SILT:	0.0%
(D ₇₅ - D ₂₅):	578.0	1.061	V COARSE SAND:	36.2%	CLAY:	0.0%
	METHOD OF MOMENTS		FOLK & WARD METHOD			
	Arithmetic	Geometric	Logarithmic	Geometric	Logarithmic	Description
	μm	μm	φ	μm	φ	
MEAN (\bar{x}):	769.7	680.1	0.556	646.5	0.629	Coarse Sand
SORTING (σ):	341.1	1.621	0.697	1.730	0.790	Moderately Sorted
SKEWNESS (S_k):	0.243	-0.300	0.300	-0.021	0.021	Symmetrical
KURTOSIS (K):	1.532	2.056	2.056	0.875	0.875	Platykurtic



- Arah timur

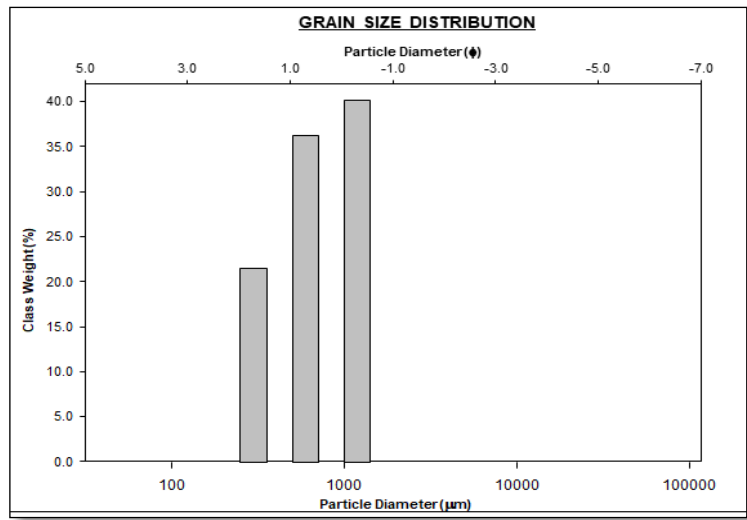
SAMPLE STATISTICS						
SAMPLE IDENTITY: Stasiun 1 T MP			ANALYST & DATE: Grain Size, 5/22/22			
SAMPLE TYPE: Trimodal, Moderately Sorted			TEXTURAL GROUP: Sand			
SEDIMENT NAME: Moderately Sorted Very Coarse Sand						
	μm	ϕ	GRAIN SIZE DISTRIBUTION			
MODE 1:	1200.0	-0.243	GRAVEL: 0.0%	COARSE SAND: 34.9%		
MODE 2:	605.0	0.747	SAND: 100.0%	MEDIUM SAND: 18.3%		
MODE 3:	302.5	1.747	MUD: 0.0%	FINE SAND: 0.0%		
D_{10} :	302.7	-0.382			V FINE SAND: 0.0%	
MEDIAN or D_{50} :	687.0	0.542	V COARSE GRAVEL: 0.0%	V COARSE SILT: 0.0%		
D_{90} :	1302.7	1.724	COARSE GRAVEL: 0.0%	COARSE SILT: 0.0%		
(D_{90} / D_{10}) :	4.304	-4.519	MEDIUM GRAVEL: 0.0%	MEDIUM SILT: 0.0%		
$(D_{90} - D_{10})$:	1000.1	2.106	FINE GRAVEL: 0.0%	FINE SILT: 0.0%		
(D_{75} / D_{25}) :	2.187	-4.003	V FINE GRAVEL: 0.0%	V FINE SILT: 0.0%		
$(D_{75} - D_{25})$:	634.8	1.129	V COARSE SAND: 46.7%	CLAY: 0.0%		
	METHOD OF MOMENTS			FOLK & WARD METHOD		
	Arithmetic	Geometric	Logarithmic	Geometric	Logarithmic	Description
	μm	μm	ϕ	μm	ϕ	
MEAN (\bar{x}):	827.5	723.0	0.468	662.7	0.594	Coarse Sand
SORTING (σ):	364.3	1.682	0.751	1.762	0.817	Moderately Sorted
SKEWNESS ($S\bar{x}$):	-0.129	-0.529	0.529	-0.117	0.117	Fine Skewed
KURTOSIS ($K\bar{x}$):	1.351	1.930	1.930	0.833	0.833	Platykurtic



b. Stasiun 2

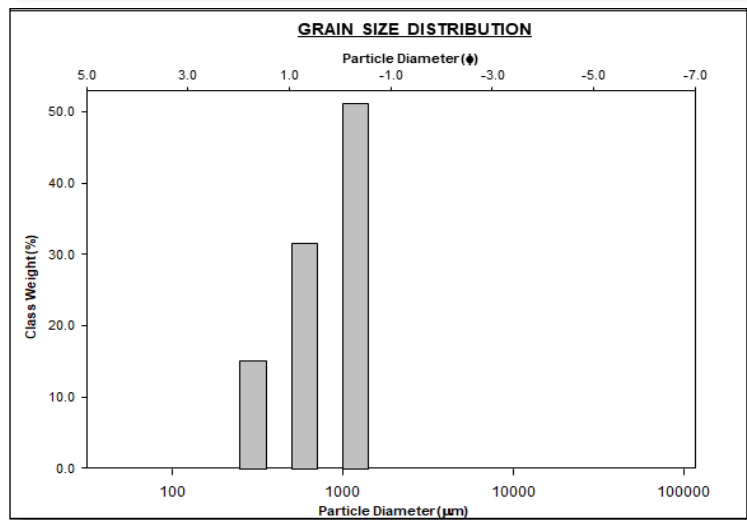
- Arah utara

SAMPLE STATISTICS						
SAMPLE IDENTITY: Stasiun 2 U MP			ANALYST & DATE: Grain Size, 5/22/22			
SAMPLE TYPE: Trimodal, Moderately Sorted			TEXTURAL GROUP: Sand			
SEDIMENT NAME: Moderately Sorted Very Coarse Sand						
	μm	ϕ	GRAIN SIZE DISTRIBUTION			
MODE 1:	1200.0	-0.243	GRAVEL: 0.0%	COARSE SAND: 37.6%		
MODE 2:	605.0	0.747	SAND: 100.0%	MEDIUM SAND: 22.4%		
MODE 3:	302.5	1.747	MUD: 0.0%	FINE SAND: 0.0%		
D_{10} :	292.5	-0.364			V FINE SAND: 0.0%	
MEDIAN or D_{50} :	646.9	0.628	V COARSE GRAVEL: 0.0%	V COARSE SILT: 0.0%		
D_{90} :	1287.1	1.774	COARSE GRAVEL: 0.0%	COARSE SILT: 0.0%		
(D_{90} / D_{10}) :	4.401	-4.872	MEDIUM GRAVEL: 0.0%	MEDIUM SILT: 0.0%		
$(D_{90} - D_{10})$:	994.6	2.138	FINE GRAVEL: 0.0%	FINE SILT: 0.0%		
(D_{75} / D_{25}) :	2.214	-5.298	V FINE GRAVEL: 0.0%	V FINE SILT: 0.0%		
$(D_{75} - D_{25})$:	622.0	1.146	V COARSE SAND: 40.0%	CLAY: 0.0%		
	METHOD OF MOMENTS			FOLK & WARD METHOD		
	Arithmetic	Geometric	Logarithmic	Geometric	Logarithmic	Description
	μm	μm	ϕ	μm	ϕ	
MEAN (\bar{x}):	775.4	671.4	0.575	633.6	0.658	Coarse Sand
SORTING (σ):	364.7	1.700	0.765	1.781	0.833	Moderately Sorted
SKEWNESS ($S\bar{x}$):	0.106	-0.321	0.321	-0.068	0.068	Symmetrical
KURTOSIS ($K\bar{x}$):	1.384	1.753	1.753	0.826	0.826	Platykurtic



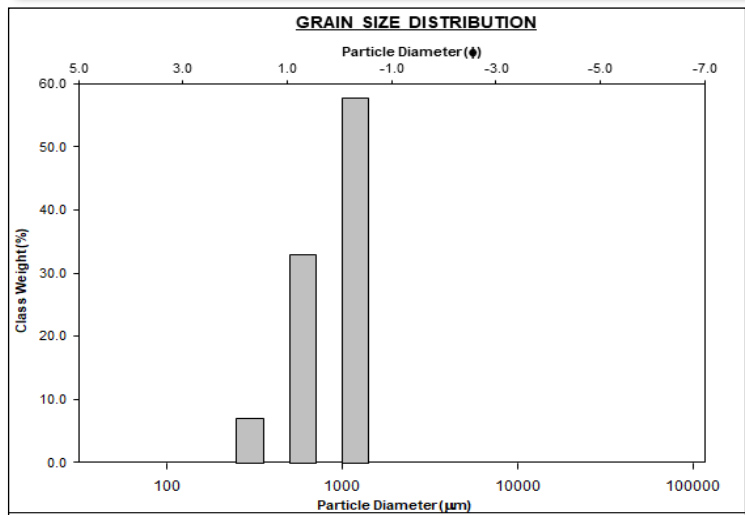
- Arah selatan

SAMPLE STATISTICS						
SAMPLE IDENTITY: Stasiun 2 S MP			ANALYST & DATE: Grain Size, 5/22/22			
SAMPLE TYPE: Trimodal, Moderately Well Sorted			TEXTURAL GROUP: Sand			
SEDIMENT NAME: Moderately Well Sorted Very Coarse Sand						
	µm	φ	GRAIN SIZE DISTRIBUTION			
MODE 1:	1200.0	-0.243	GRAVEL: 0.0%	COARSE SAND: 32.9%		
MODE 2:	605.0	0.747	SAND: 100.0%	MEDIUM SAND: 15.9%		
MODE 3:	302.5	1.747	MUD: 0.0%	FINE SAND: 0.0%		
D ₁₀ :	311.9	-0.391		V FINE SAND: 0.0%		
MEDIAN or D ₅₀ :	1008.0	-0.012	V COARSE GRAVEL: 0.0%	V COARSE SILT: 0.0%		
D ₉₀ :	1311.0	1.681	COARSE GRAVEL: 0.0%	COARSE SILT: 0.0%		
(D ₉₀ / D ₁₀):	4.203	-4.303	MEDIUM GRAVEL: 0.0%	MEDIUM SILT: 0.0%		
(D ₃₀ - D ₁₀):	999.1	2.072	FINE GRAVEL: 0.0%	FINE SILT: 0.0%		
(D ₇₅ / D ₂₅):	2.155	-3.459	V FINE GRAVEL: 0.0%	V FINE SILT: 0.0%		
(D ₇₅ - D ₂₅):	636.8	1.108	V COARSE SAND: 51.2%	CLAY: 0.0%		
	METHOD OF MOMENTS		FOLK & WARD METHOD			
	Arithmetic	Geometric	Logarithmic	Geometric	Logarithmic	Description
	µm	µm	φ	µm	φ	
MEAN (\bar{x}):	861.8	758.6	0.399	860.1	0.217	Coarse Sand
SORTING (σ):	360.4	1.663	0.734	1.600	0.678	Moderately Well Sorted
SKEWNESS (S_k):	-0.288	-0.676	0.676	-0.571	0.571	Very Fine Skewed
KURTOSIS (K):	1.402	2.120	2.120	0.843	0.843	Platykurtic



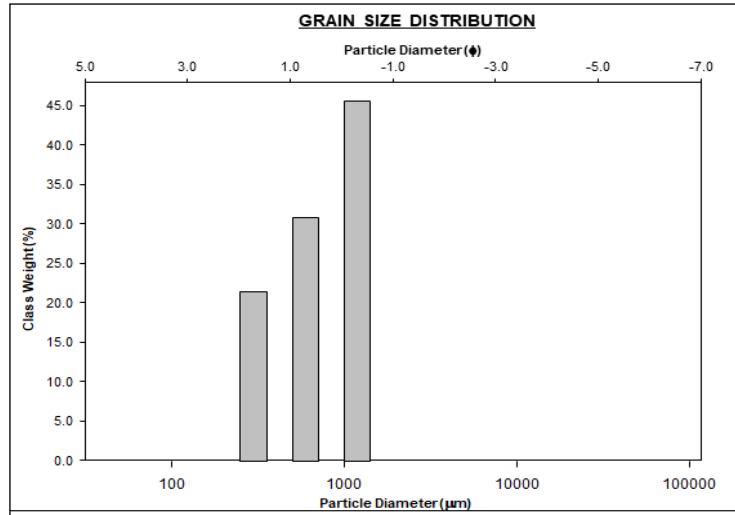
- Arah barat

SAMPLE STATISTICS						
SAMPLE IDENTITY: Stasiun 2 B MP			ANALYST & DATE: Grain Size, 5/22/22			
SAMPLE TYPE: Bimodal, Moderately Well Sorted			TEXTURAL GROUP: Sand			
SEDIMENT NAME: Moderately Well Sorted Very Coarse Sand						
	μm	ϕ	GRAIN SIZE DISTRIBUTION			
MODE 1:	1200.0	-0.243	GRAVEL: 0.0%		COARSE SAND: 34.6%	
MODE 2:	605.0	0.747	SAND: 100.0%		MEDIUM SAND: 7.4%	
MODE 3:			MUD: 0.0%		FINE SAND: 0.0%	
D_{10} :	513.3	-0.402			V FINE SAND: 0.0%	
MEDIAN or D_{50} :	1047.6	-0.067	V COARSE GRAVEL: 0.0%		V COARSE SILT: 0.0%	
D_{90} :	1321.1	0.962	COARSE GRAVEL: 0.0%		COARSE SILT: 0.0%	
(D_{90} / D_{10}) :	2.574	-2.395	MEDIUM GRAVEL: 0.0%		MEDIUM SILT: 0.0%	
$(D_{90} - D_{10})$:	807.8	1.364	FINE GRAVEL: 0.0%		FINE SILT: 0.0%	
(D_{75} / D_{25}) :	2.026	-2.688	V FINE GRAVEL: 0.0%		V FINE SILT: 0.0%	
$(D_{75} - D_{25})$:	613.4	1.019	V COARSE SAND: 58.0%		CLAY: 0.0%	
	METHOD OF MOMENTS			FOLK & WARD METHOD		
	Arithmetic	Geometric	Logarithmic	Geometric	Logarithmic	Description
	μm	μm	ϕ	μm	ϕ	
MEAN (\bar{x}):	927.8	842.8	0.247	900.1	0.152	Coarse Sand
SORTING (σ):	328.6	1.544	0.626	1.542	0.625	Moderately Well Sorted
SKEWNESS (S_k):	-0.509	-0.917	0.917	-0.589	0.589	Very Fine Skewed
KURTOSIS (K):	1.567	2.796	2.796	0.846	0.846	Platykurtic



- Arah timur

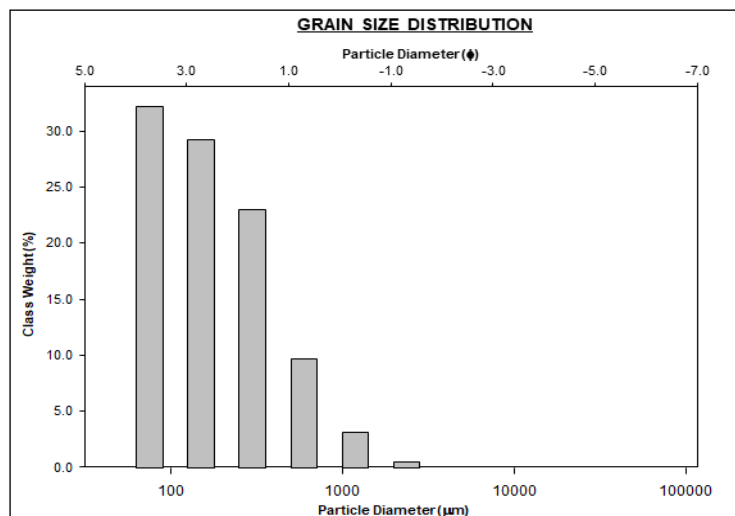
SAMPLE STATISTICS						
SAMPLE IDENTITY: Stasiun 2 T MP			ANALYST & DATE: Grain Size, 5/22/22			
SAMPLE TYPE: Trimodal, Moderately Sorted			TEXTURAL GROUP: Sand			
SEDIMENT NAME: Moderately Sorted Very Coarse Sand						
	μm	ϕ	GRAIN SIZE DISTRIBUTION			
MODE 1:	1200.0	-0.243	GRAVEL: 0.0%		COARSE SAND: 32.1%	
MODE 2:	605.0	0.747	SAND: 100.0%		MEDIUM SAND: 22.4%	
MODE 3:	302.5	1.747	MUD: 0.0%		FINE SAND: 0.0%	
D_{10} :	292.4	-0.379			V FINE SAND: 0.0%	
MEDIAN or D_{50} :	676.1	0.565	V COARSE GRAVEL: 0.0%		V COARSE SILT: 0.0%	
D_{90} :	1300.3	1.774	COARSE GRAVEL: 0.0%		COARSE SILT: 0.0%	
(D_{90} / D_{10}) :	4.447	-4.683	MEDIUM GRAVEL: 0.0%		MEDIUM SILT: 0.0%	
$(D_{90} - D_{10})$:	1007.9	2.153	FINE GRAVEL: 0.0%		FINE SILT: 0.0%	
(D_{75} / D_{25}) :	2.262	-4.381	V FINE GRAVEL: 0.0%		V FINE SILT: 0.0%	
$(D_{75} - D_{25})$:	649.3	1.178	V COARSE SAND: 45.5%		CLAY: 0.0%	
	METHOD OF MOMENTS			FOLK & WARD METHOD		
	Arithmetic	Geometric	Logarithmic	Geometric	Logarithmic	Description
	μm	μm	ϕ	μm	ϕ	
MEAN (\bar{x}):	808.1	697.2	0.520	646.4	0.629	Coarse Sand
SORTING (σ):	374.7	1.725	0.786	1.790	0.840	Moderately Sorted
SKEWNESS (S_k):	-0.081	-0.441	0.441	-0.120	0.120	Fine Skewed
KURTOSIS (K):	1.315	1.731	1.731	0.807	0.807	Platykurtic



c. Stasiun 3

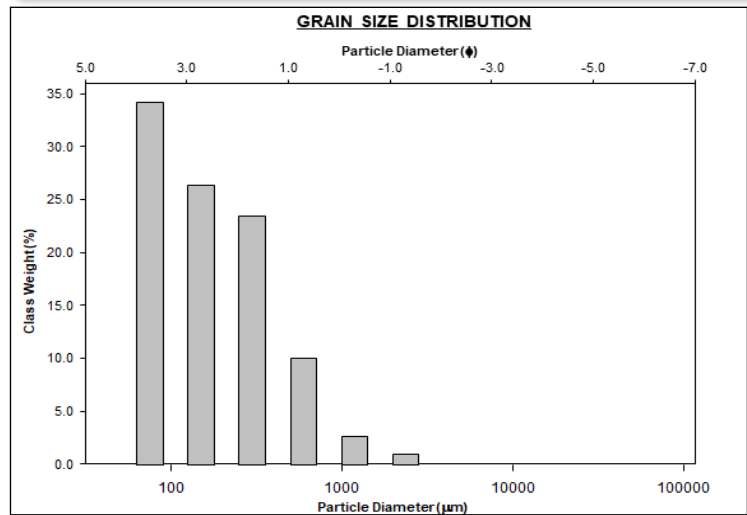
- Arah utara

SAMPLE STATISTICS						
SAMPLE IDENTITY: Stasiun 3 U MP			ANALYST & DATE: Grain Size, 5/22/22			
SAMPLE TYPE: Polymodal, Poorly Sorted			TEXTURAL GROUP: Slightly Gravelly Muddy Sand			
SEDIMENT NAME: Slightly Very Fine Gravelly Very Coarse Silty Very Fine Sand						
	μm	φ	GRAIN SIZE DISTRIBUTION			
MODE 1:	76.50	3.731	GRAVEL: 0.4%	COARSE SAND: 7.8%		
MODE 2:	152.5	2.737	SAND: 79.8%	MEDIUM SAND: 18.6%		
MODE 3:	302.5	1.747	MUD: 19.8%	FINE SAND: 24.5%		
D ₁₀ :	15.82	0.957		V FINE SAND: 26.4%		
MEDIAN or D ₅₀ :	132.2	2.919	V COARSE GRAVEL: 0.0%	V COARSE SILT: 3.3%		
D ₉₀ :	515.3	5.982	COARSE GRAVEL: 0.0%	COARSE SILT: 3.3%		
(D ₉₀ / D ₁₀):	32.57	6.254	MEDIUM GRAVEL: 0.0%	MEDIUM SILT: 3.3%		
(D ₉₀ - D ₁₀):	499.5	5.025	FINE GRAVEL: 0.0%	FINE SILT: 3.3%		
(D ₇₅ / D ₂₅):	4.012	2.064	V FINE GRAVEL: 0.4%	V FINE SILT: 3.3%		
(D ₇₅ - D ₂₅):	203.4	2.004	V COARSE SAND: 2.4%	CLAY: 3.3%		
	METHOD OF MOMENTS		FOLK & WARD METHOD			
	Arithmetic	Geometric	Logarithmic	Geometric	Logarithmic	Description
	μm	μm	φ	μm	φ	
MEAN (\bar{x}):	206.2	93.61	3.417	115.8	3.110	Very Fine Sand
SORTING (σ):	261.1	4.119	2.042	3.355	1.746	Poorly Sorted
SKEWNESS (S_k):	3.845	-0.596	0.596	-0.232	0.232	Fine Skewed
KURTOSIS (K):	24.97	2.542	2.542	1.300	1.300	Leptokurtic



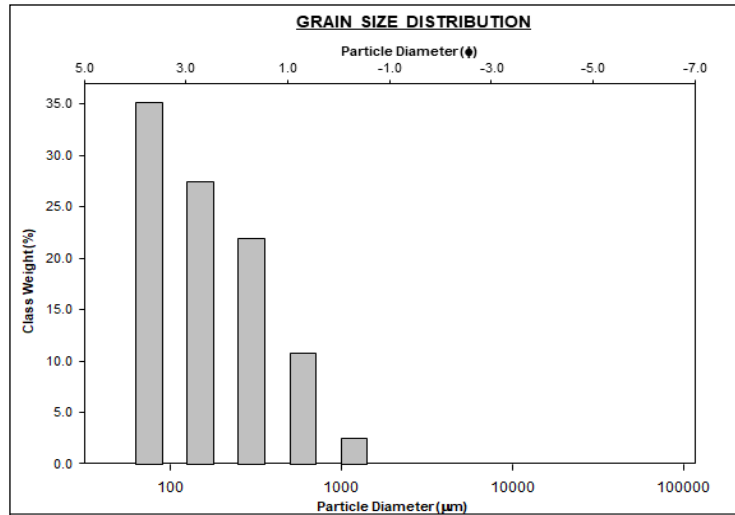
- Arah selatan

SAMPLE STATISTICS						
SAMPLE IDENTITY: Stasiun 3 S MP			ANALYST & DATE: Grain Size, 5/22/22			
SAMPLE TYPE: Polymodal, Poorly Sorted			TEXTURAL GROUP: Slightly Gravelly Muddy Sand			
SEDIMENT NAME: Slightly Very Fine Gravelly Very Coarse Silty Very Fine Sand						
	μm	ϕ	GRAIN SIZE DISTRIBUTION			
MODE 1:	76.50	3.731	GRAVEL: 0.8%		COARSE SAND: 8.3%	
MODE 2:	152.5	2.737	SAND: 80.8%		MEDIUM SAND: 19.3%	
MODE 3:	302.5	1.747	MUD: 18.3%		FINE SAND: 22.5%	
D_{10} :	17.77	0.924			V FINE SAND: 28.6%	
MEDIAN or D_{50} :	131.3	2.929	V COARSE GRAVEL: 0.0%		V COARSE SILT: 3.1%	
D_{90} :	526.9	5.815	COARSE GRAVEL: 0.0%		COARSE SILT: 3.1%	
(D_{90} / D_{10}) :	29.66	6.290	MEDIUM GRAVEL: 0.0%		MEDIUM SILT: 3.1%	
$(D_{90} - D_{10})$:	509.1	4.890	FINE GRAVEL: 0.0%		FINE SILT: 3.1%	
(D_{75} / D_{25}) :	4.040	2.086	V FINE GRAVEL: 0.8%		V FINE SILT: 3.1%	
$(D_{75} - D_{25})$:	208.1	2.014	V COARSE SAND: 2.1%		CLAY: 3.1%	
	METHOD OF MOMENTS		FOLK & WARD METHOD			
	Arithmetic	Geometric	Logarithmic	Geometric	Logarithmic	Description
	μm	μm	ϕ	μm	ϕ	
MEAN (\bar{x}):	216.0	98.05	3.350	123.5	3.017	Very Fine Sand
SORTING (σ):	294.8	4.049	2.018	3.191	1.674	Poorly Sorted
SKEWNESS ($S\bar{k}$):	4.290	-0.584	0.584	-0.179	0.179	Fine Skewed
KURTOSIS (K):	27.99	2.699	2.699	1.279	1.279	Leptokurtic



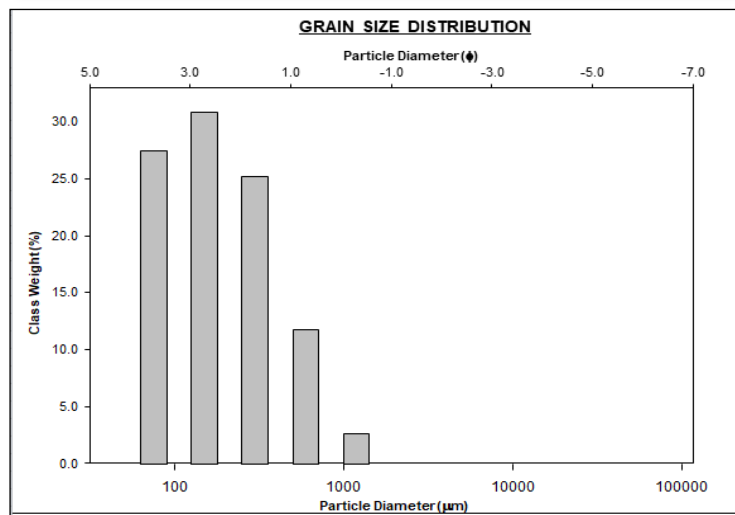
- Arah barat

SAMPLE STATISTICS						
SAMPLE IDENTITY: Stasiun 3 B MP			ANALYST & DATE: Grain Size, 5/22/22			
SAMPLE TYPE: Polymodal, Poorly Sorted			TEXTURAL GROUP: Muddy Sand			
SEDIMENT NAME: Very Coarse Silty Very Fine Sand						
	μm	ϕ	GRAIN SIZE DISTRIBUTION			
MODE 1:	76.50	3.731	GRAVEL: 0.0%		COARSE SAND: 9.1%	
MODE 2:	152.5	2.737	SAND: 84.0%		MEDIUM SAND: 18.6%	
MODE 3:	302.5	1.747	MUD: 16.0%		FINE SAND: 24.1%	
D_{10} :	22.08	0.938			V FINE SAND: 30.2%	
MEDIAN or D_{50} :	132.3	2.918	V COARSE GRAVEL: 0.0%		V COARSE SILT: 2.7%	
D_{90} :	522.1	5.501	COARSE GRAVEL: 0.0%		COARSE SILT: 2.7%	
(D_{90} / D_{10}) :	23.64	5.866	MEDIUM GRAVEL: 0.0%		MEDIUM SILT: 2.7%	
$(D_{90} - D_{10})$:	500.0	4.563	FINE GRAVEL: 0.0%		FINE SILT: 2.7%	
(D_{75} / D_{25}) :	3.900	2.049	V FINE GRAVEL: 0.0%		V FINE SILT: 2.7%	
$(D_{75} - D_{25})$:	203.1	1.963	V COARSE SAND: 2.0%		CLAY: 2.7%	
	METHOD OF MOMENTS		FOLK & WARD METHOD			
	Arithmetic	Geometric	Logarithmic	Geometric	Logarithmic	Description
	μm	μm	ϕ	μm	ϕ	
MEAN (\bar{x}):	200.4	101.9	3.295	138.8	2.849	Fine Sand
SORTING (σ):	216.2	3.737	1.902	2.861	1.516	Poorly Sorted
SKEWNESS ($S\bar{k}$):	2.476	-0.729	0.729	-0.086	0.086	Symmetrical
KURTOSIS (K):	10.44	2.916	2.916	1.271	1.271	Leptokurtic



- Arah timur

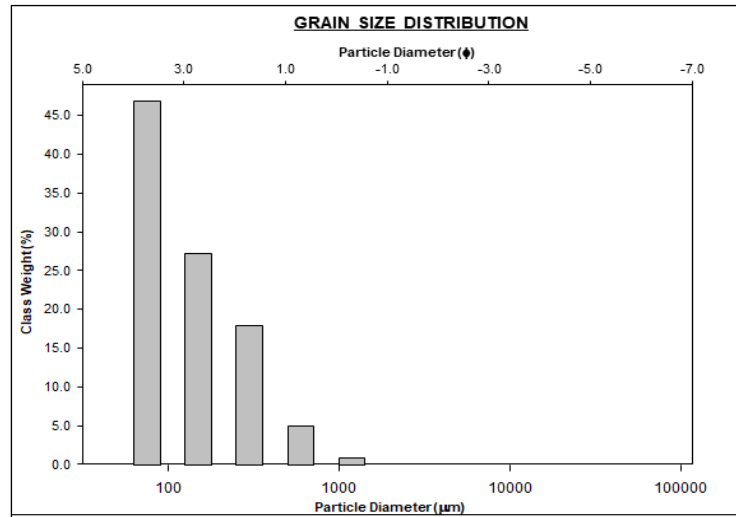
SAMPLE STATISTICS						
SAMPLE IDENTITY: Stasiun 3 T MP			ANALYST & DATE: Grain Size, 5/22/22			
SAMPLE TYPE: Polymodal, Poorly Sorted			TEXTURAL GROUP: Muddy Sand			
SEDIMENT NAME: Very Coarse Silty Fine Sand						
	μm	φ	GRAIN SIZE DISTRIBUTION			
MODE 1:	152.5	2.737	GRAVEL: 0.0%	COARSE SAND: 9.8%		
MODE 2:	76.50	3.731	SAND: 83.1%	MEDIUM SAND: 21.0%		
MODE 3:	302.5	1.747	MUD: 16.9%	FINE SAND: 26.8%		
D ₁₀ :	20.12	0.899		V FINE SAND: 23.3%		
MEDIAN or D ₅₀ :	142.7	2.809	V COARSE GRAVEL: 0.0%	V COARSE SILT: 2.8%		
D ₉₀ :	536.1	5.635	COARSE GRAVEL: 0.0%	COARSE SILT: 2.8%		
(D ₉₀ / D ₁₀):	26.64	6.265	MEDIUM GRAVEL: 0.0%	MEDIUM SILT: 2.8%		
(D ₉₀ - D ₁₀):	516.0	4.735	FINE GRAVEL: 0.0%	FINE SILT: 2.8%		
(D ₇₅ / D ₂₅):	4.007	2.107	V FINE GRAVEL: 0.0%	V FINE SILT: 2.8%		
(D ₇₅ - D ₂₅):	214.3	2.003	V COARSE SAND: 2.1%	CLAY: 2.8%		
	METHOD OF MOMENTS		FOLK & WARD METHOD			
	Arithmetic	Geometric	Logarithmic	Geometric	Logarithmic	Description
	μm	μm	φ	μm	φ	
MEAN (\bar{x}):	212.5	107.0	3.224	136.6	2.872	Fine Sand
SORTING (σ):	219.7	3.897	1.962	3.014	1.592	Poorly Sorted
SKEWNESS (S_k):	2.339	-0.799	0.799	-0.185	0.185	Fine Skewed
KURTOSIS (K):	9.742	2.837	2.837	1.264	1.264	Leptokurtic



d. Stasiun 4

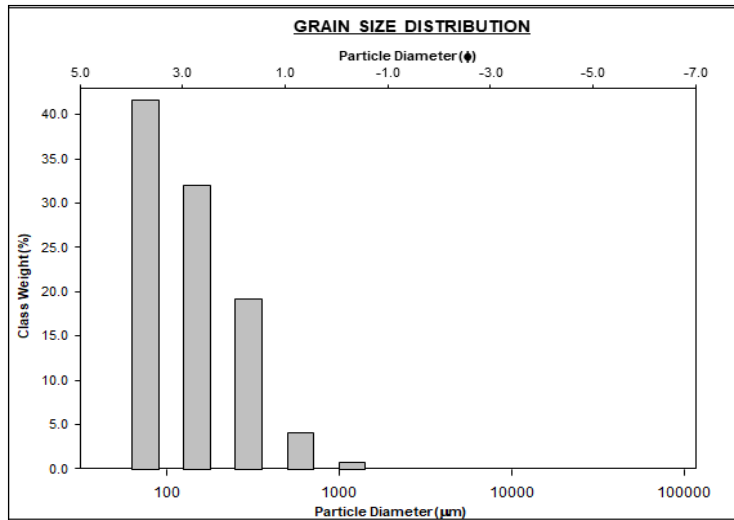
- Arah utara

SAMPLE STATISTICS						
SAMPLE IDENTITY: Stasiun 4 U MP			ANALYST & DATE: Grain Size, 5/22/22			
SAMPLE TYPE: Trimodal, Poorly Sorted			TEXTURAL GROUP: Muddy Sand			
SEDIMENT NAME: Very Coarse Silty Very Fine Sand						
	μm	ϕ	GRAIN SIZE DISTRIBUTION			
MODE 1:	76.50	3.731	GRAVEL:	0.0%	COARSE SAND:	3.5%
MODE 2:	152.5	2.737	SAND:	70.8%	MEDIUM SAND:	12.8%
MODE 3:	302.5	1.747	MUD:	29.2%	FINE SAND:	20.1%
D_{10} :	10.12	1.727			V FINE SAND:	33.8%
MEDIAN or D_{50} :	78.46	3.672	V COARSE GRAVEL:	0.0%	V COARSE SILT:	4.9%
D_{90} :	302.0	6.627	COARSE GRAVEL:	0.0%	COARSE SILT:	4.9%
(D_{90} / D_{10}) :	29.86	3.837	MEDIUM GRAVEL:	0.0%	MEDIUM SILT:	4.9%
$(D_{90} - D_{10})$:	291.9	4.900	FINE GRAVEL:	0.0%	FINE SILT:	4.9%
(D_{75} / D_{25}) :	3.686	1.701	V FINE GRAVEL:	0.0%	V FINE SILT:	4.9%
$(D_{75} - D_{25})$:	113.2	1.882	V COARSE SAND:	0.6%	CLAY:	4.9%
	METHOD OF MOMENTS		FOLK & WARD METHOD			
	Arithmetic	Geometric	Logarithmic	Geometric	Logarithmic	Description
	μm	μm	ϕ	μm	ϕ	
MEAN (\bar{x}):	132.9	58.20	4.103	71.13	3.813	Very Fine Sand
SORTING (σ):	149.5	4.057	2.020	3.570	1.836	Poorly Sorted
SKEWNESS ($S\bar{k}$):	3.326	-0.370	0.370	-0.185	0.185	Fine Skewed
KURTOSIS (K):	19.04	1.899	1.899	1.260	1.260	Leptokurtic



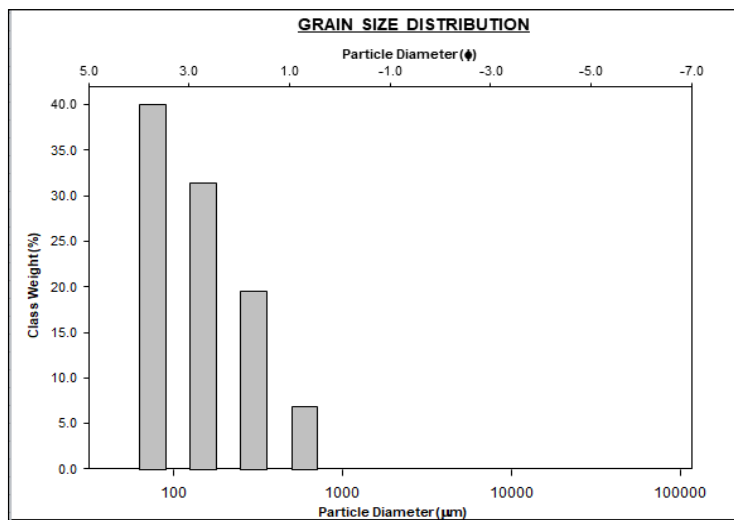
- Arah selatan

SAMPLE STATISTICS						
SAMPLE IDENTITY: Stasiun 4 S MP			ANALYST & DATE: Grain Size, 5/22/22			
SAMPLE TYPE: Trimodal, Poorly Sorted			TEXTURAL GROUP: Muddy Sand			
SEDIMENT NAME: Very Coarse Silty Very Fine Sand						
	μm	ϕ	GRAIN SIZE DISTRIBUTION			
MODE 1:	76.50	3.731	GRAVEL:	0.0%	COARSE SAND:	2.9%
MODE 2:	152.5	2.737	SAND:	69.3%	MEDIUM SAND:	13.3%
MODE 3:	302.5	1.747	MUD:	30.7%	FINE SAND:	23.1%
D_{10} :	9.640	1.743			V FINE SAND:	29.4%
MEDIAN or D_{50} :	79.59	3.651	V COARSE GRAVEL:	0.0%	V COARSE SILT:	5.1%
D_{90} :	298.7	6.697	COARSE GRAVEL:	0.0%	COARSE SILT:	5.1%
(D_{90} / D_{10}) :	30.99	3.842	MEDIUM GRAVEL:	0.0%	MEDIUM SILT:	5.1%
$(D_{90} - D_{10})$:	289.1	4.954	FINE GRAVEL:	0.0%	FINE SILT:	5.1%
(D_{75} / D_{25}) :	4.230	1.782	V FINE GRAVEL:	0.0%	V FINE SILT:	5.1%
$(D_{75} - D_{25})$:	120.7	2.081	V COARSE SAND:	0.5%	CLAY:	5.1%
	METHOD OF MOMENTS		FOLK & WARD METHOD			
	Arithmetic	Geometric	Logarithmic	Geometric	Logarithmic	Description
	μm	μm	ϕ	μm	ϕ	
MEAN (\bar{x}):	131.8	56.99	4.133	69.56	3.846	Very Fine Sand
SORTING (σ):	143.1	4.147	2.052	3.640	1.864	Poorly Sorted
SKEWNESS ($S\bar{k}$):	3.352	-0.367	0.367	-0.212	0.212	Fine Skewed
KURTOSIS (K):	20.21	1.781	1.781	1.141	1.141	Leptokurtic



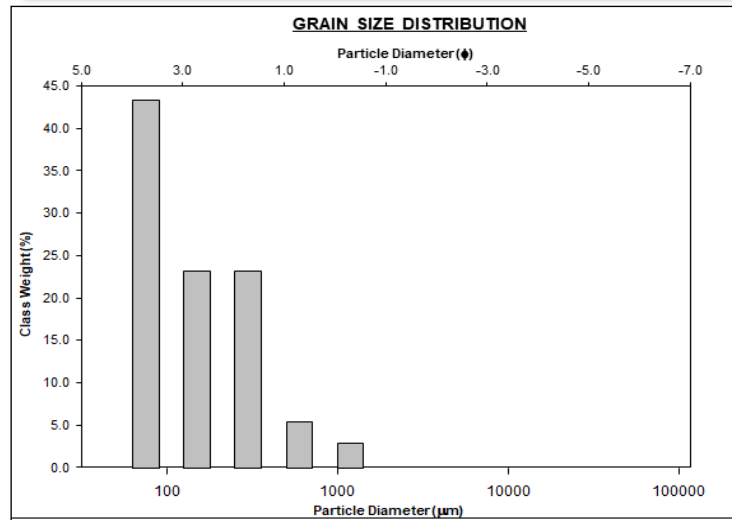
- Arah barat

SAMPLE STATISTICS						
SAMPLE IDENTITY: Stasiun 4 B MP			ANALYST & DATE: Grain Size, 5/22/22			
SAMPLE TYPE: Polymodal, Poorly Sorted			TEXTURAL GROUP: Muddy Sand			
SEDIMENT NAME: Very Coarse Silty Very Fine Sand						
	µm	φ	GRAIN SIZE DISTRIBUTION			
MODE 1:	76.50	3.731	GRAVEL:	0.0%	COARSE SAND:	4.9%
MODE 2:	152.5	2.737	SAND:	70.5%	MEDIUM SAND:	13.8%
MODE 3:	302.5	1.747	MUD:	29.5%	FINE SAND:	23.1%
D ₁₀ :	10.01	1.683			V FINE SAND:	28.8%
MEDIAN or D ₅₀ :	81.19	3.623	V COARSE GRAVEL:	0.0%	V COARSE SILT:	4.9%
D ₉₀ :	311.4	6.643	COARSE GRAVEL:	0.0%	COARSE SILT:	4.9%
(D ₉₀ / D ₁₀):	31.12	3.947	MEDIUM GRAVEL:	0.0%	MEDIUM SILT:	4.9%
(D ₉₀ - D ₁₀):	301.4	4.960	FINE GRAVEL:	0.0%	FINE SILT:	4.9%
(D ₇₅ / D ₂₅):	3.965	1.759	V FINE GRAVEL:	0.0%	V FINE SILT:	4.9%
(D ₇₅ - D ₂₅):	121.7	1.987	V COARSE SAND:	0.0%	CLAY:	4.9%
	METHOD OF MOMENTS		FOLK & WARD METHOD			
	Arithmetic	Geometric	Logarithmic	Geometric	Logarithmic	Description
	µm	µm	φ	µm	φ	
MEAN (\bar{x}):	137.7	60.45	4.048	72.55	3.785	Very Fine Sand
SORTING (σ):	137.0	4.174	2.061	3.638	1.863	Poorly Sorted
SKEWNESS (S_k):	2.006	-0.412	0.412	-0.197	0.197	Fine Skewed
KURTOSIS (K):	6.976	1.804	1.804	1.201	1.201	Leptokurtic



- Arah timur

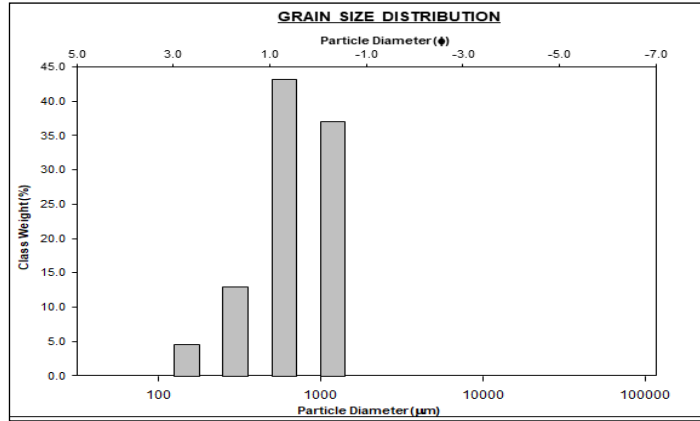
SAMPLE STATISTICS						
SAMPLE IDENTITY: Stasiun 4 TMP			ANALYST & DATE: Grain Size, 5/22/22			
SAMPLE TYPE: Trimodal, Very Poorly Sorted			TEXTURAL GROUP: Muddy Sand			
SEDIMENT NAME: Coarse Silty Very Fine Sand						
	μm	ϕ	GRAIN SIZE DISTRIBUTION			
MODE 1:	76.50	3.731	GRAVEL: 0.0%		COARSE SAND: 3.7%	
MODE 2:	152.5	2.737	SAND: 69.1%		MEDIUM SAND: 16.0%	
MODE 3:	302.5	1.747	MUD: 30.9%		FINE SAND: 16.7%	
D_{10} :	9.582	1.629			V FINE SAND: 30.6%	
MEDIAN or D_{50} :	78.66	3.668	V COARSE GRAVEL: 0.0%		V COARSE SILT: 5.2%	
D_{90} :	323.3	6.706	COARSE GRAVEL: 0.0%		COARSE SILT: 5.2%	
(D_{90} / D_{10}) :	33.74	4.116	MEDIUM GRAVEL: 0.0%		MEDIUM SILT: 5.2%	
$(D_{50} - D_{10})$:	313.7	5.076	FINE GRAVEL: 0.0%		FINE SILT: 5.2%	
(D_{75} / D_{25}) :	4.556	1.849	V FINE GRAVEL: 0.0%		V FINE SILT: 5.2%	
$(D_{75} - D_{25})$:	130.9	2.188	V COARSE SAND: 2.0%		CLAY: 5.2%	
	METHOD OF MOMENTS			FOLK & WARD METHOD		
	Arithmetic	Geometric	Logarithmic	Geometric	Logarithmic	Description
	μm	μm	ϕ	μm	ϕ	
MEAN (\bar{x}):	153.6	59.63	4.068	71.54	3.805	Very Fine Sand
SORTING (σ):	198.1	4.442	2.151	4.013	2.005	Very Poorly Sorted
SKEWNESS (S_k):	3.337	-0.241	0.241	-0.121	0.121	Fine Skewed
KURTOSIS (K):	16.52	1.834	1.834	1.208	1.208	Leptokurtic



e. Stasiun 1 menuju surut

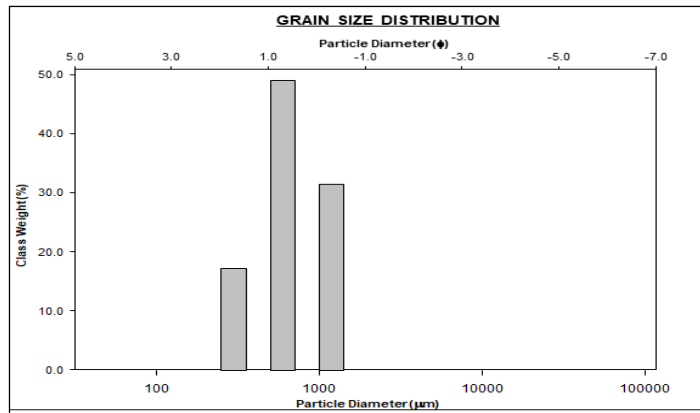
- Arah utara

SAMPLE STATISTICS						
SAMPLE IDENTITY: Stasiun 1 UMS			ANALYST & DATE: Grain Size, 5/22/22			
SAMPLE TYPE: Trimodal, Moderately Sorted			TEXTURAL GROUP: Sand			
SEDIMENT NAME: Moderately Sorted Coarse Sand						
	μm	ϕ	GRAIN SIZE DISTRIBUTION			
MODE 1:	605.0	0.747	GRAVEL: 0.0%		COARSE SAND: 44.8%	
MODE 2:	1200.0	-0.243	SAND: 100.0%		MEDIUM SAND: 13.5%	
MODE 3:	302.5	1.747	MUD: 0.0%		FINE SAND: 4.9%	
D_{10} :	285.3	-0.354			V FINE SAND: 0.0%	
MEDIAN or D_{50} :	640.4	0.643	V COARSE GRAVEL: 0.0%		V COARSE SILT: 0.0%	
D_{90} :	1277.8	1.810	COARSE GRAVEL: 0.0%		COARSE SILT: 0.0%	
(D_{90} / D_{10}) :	4.479	-5.117	MEDIUM GRAVEL: 0.0%		MEDIUM SILT: 0.0%	
$(D_{50} - D_{10})$:	992.5	2.163	FINE GRAVEL: 0.0%		FINE SILT: 0.0%	
(D_{75} / D_{25}) :	2.116	-5.936	V FINE GRAVEL: 0.0%		V FINE SILT: 0.0%	
$(D_{75} - D_{25})$:	587.7	1.081	V COARSE SAND: 36.8%		CLAY: 0.0%	
	METHOD OF MOMENTS			FOLK & WARD METHOD		
	Arithmetic	Geometric	Logarithmic	Geometric	Logarithmic	Description
	μm	μm	ϕ	μm	ϕ	
MEAN (\bar{x}):	761.0	652.7	0.615	636.8	0.651	Coarse Sand
SORTING (σ):	358.4	1.766	0.821	1.779	0.831	Moderately Sorted
SKEWNESS (S_k):	0.116	-0.785	0.785	-0.067	0.067	Symmetrical
KURTOSIS (K):	1.615	3.129	3.129	0.916	0.916	Mesokurtic



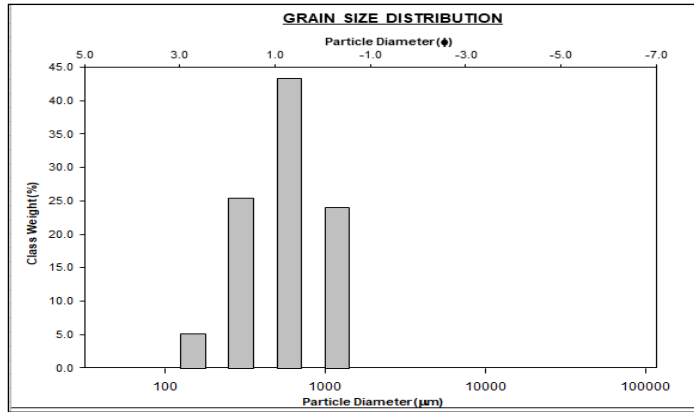
- Arah selatan

SAMPLE STATISTICS						
SAMPLE IDENTITY: Stasiun 1 S MS			ANALYST & DATE: Grain Size, 5/22/22			
SAMPLE TYPE: Trimodal, Moderately Sorted			TEXTURAL GROUP: Sand			
SEDIMENT NAME: Moderately Sorted Coarse Sand						
	µm	φ	GRAIN SIZE DISTRIBUTION			
MODE 1:	605.0	0.747	GRAVEL:	0.0%	COARSE SAND:	50.9%
MODE 2:	1200.0	-0.243	SAND:	100.0%	MEDIUM SAND:	17.8%
MODE 3:	302.5	1.747	MUD:	0.0%	FINE SAND:	0.0%
D ₁₀ :	304.4	-0.330			V FINE SAND:	0.0%
MEDIAN or D ₅₀ :	624.2	0.680	V COARSE GRAVEL:	0.0%	V COARSE SILT:	0.0%
D ₉₀ :	1257.4	1.716	COARSE GRAVEL:	0.0%	COARSE SILT:	0.0%
(D ₉₀ / D ₁₀):	4.131	-5.192	MEDIUM GRAVEL:	0.0%	MEDIUM SILT:	0.0%
(D ₉₀ - D ₁₀):	953.0	2.046	FINE GRAVEL:	0.0%	FINE SILT:	0.0%
(D ₇₅ / D ₂₅):	2.037	-9.466	V FINE GRAVEL:	0.0%	V FINE SILT:	0.0%
(D ₇₅ - D ₂₅):	544.9	1.027	V COARSE SAND:	31.3%	CLAY:	0.0%
	METHOD OF MOMENTS		FOLK & WARD METHOD			
	Arithmetic	Geometric	Logarithmic	Geometric	Logarithmic	Description
	µm	µm	φ	µm	φ	
MEAN (\bar{x}):	737.5	652.9	0.615	631.7	0.663	Coarse Sand
SORTING (σ):	331.1	1.606	0.684	1.728	0.789	Moderately Sorted
SKEWNESS (S_k):	0.417	-0.193	0.193	-0.005	0.005	Symmetrical
KURTOSIS (K):	1.736	2.114	2.114	0.905	0.905	Mesokurtic



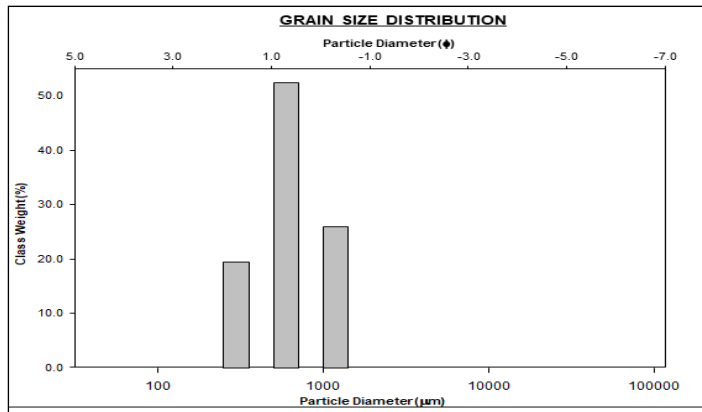
- Arah barat

SAMPLE STATISTICS						
SAMPLE IDENTITY: Stasiun 1 B MS			ANALYST & DATE: Grain Size, 5/22/22			
SAMPLE TYPE: Trimodal, Moderately Sorted			TEXTURAL GROUP: Sand			
SEDIMENT NAME: Moderately Sorted Coarse Sand						
	µm	φ	GRAIN SIZE DISTRIBUTION			
MODE 1:	605.0	0.747	GRAVEL:	0.0%	COARSE SAND:	44.6%
MODE 2:	302.5	1.747	SAND:	100.0%	MEDIUM SAND:	26.1%
MODE 3:	1200.0	-0.243	MUD:	0.0%	FINE SAND:	5.6%
D ₁₀ :	265.3	-0.281			V FINE SAND:	0.0%
MEDIAN or D ₅₀ :	577.3	0.793	V COARSE GRAVEL:	0.0%	V COARSE SILT:	0.0%
D ₉₀ :	1214.7	1.914	COARSE GRAVEL:	0.0%	COARSE SILT:	0.0%
(D ₉₀ / D ₁₀):	4.579	-6.824	MEDIUM GRAVEL:	0.0%	MEDIUM SILT:	0.0%
(D ₉₀ - D ₁₀):	949.4	2.195	FINE GRAVEL:	0.0%	FINE SILT:	0.0%
(D ₇₅ / D ₂₅):	2.166	3.191	V FINE GRAVEL:	0.0%	V FINE SILT:	0.0%
(D ₇₅ - D ₂₅):	378.3	1.115	V COARSE SAND:	23.7%	CLAY:	0.0%
	METHOD OF MOMENTS		FOLK & WARD METHOD			
	Arithmetic	Geometric	Logarithmic	Geometric	Logarithmic	Description
	µm	µm	φ	µm	φ	
MEAN (\bar{x}):	641.7	541.6	0.885	570.0	0.811	Coarse Sand
SORTING (σ):	343.3	1.782	0.834	1.905	0.930	Moderately Sorted
SKEWNESS (S_k):	0.605	-0.312	0.312	-0.110	0.110	Fine Skewed
KURTOSIS (K):	2.136	2.449	2.449	1.070	1.070	Mesokurtic



▪ Arah Timur

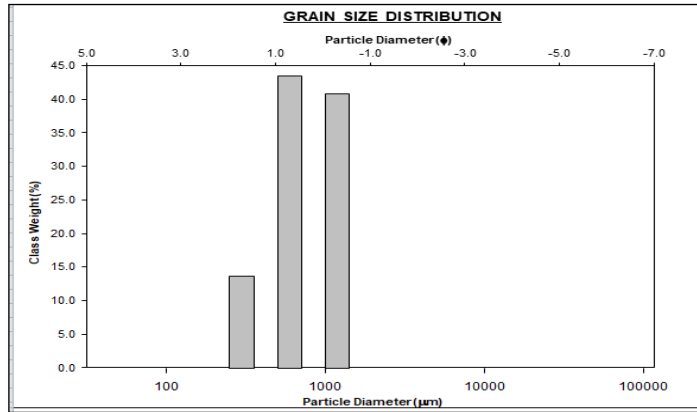
SAMPLE STATISTICS						
SAMPLE IDENTITY: Stasiun 1 TMS			ANALYST & DATE: Grain Size, 5/22/22			
SAMPLE TYPE: Trimodal, Moderately Sorted			TEXTURAL GROUP: Sand			
SEDIMENT NAME: Moderately Sorted Coarse Sand						
	µm	φ	GRAIN SIZE DISTRIBUTION			
MODE 1:	605.0	0.747	GRAVEL: 0.0%	COARSE SAND: 54.1%		
MODE 2:	1200.0	-0.243	SAND: 100.0%	MEDIUM SAND: 20.2%		
MODE 3:	302.5	1.747	MUD: 0.0%	FINE SAND: 0.0%		
D ₁₀ :	297.5	-0.296	V FINE SAND: 0.0%			
MEDIAN or D ₅₀ :	606.6	0.721	V COARSE GRAVEL: 0.0%	V COARSE SILT: 0.0%		
D ₉₀ :	1228.1	1.749	COARSE GRAVEL: 0.0%	COARSE SILT: 0.0%		
(D ₉₀ / D ₁₀):	4.128	-5.900	MEDIUM GRAVEL: 0.0%	MEDIUM SILT: 0.0%		
(D ₉₀ - D ₁₀):	930.7	2.046	FINE GRAVEL: 0.0%	FINE SILT: 0.0%		
(D ₇₅ / D ₂₅):	1.956	-73.172	V FINE GRAVEL: 0.0%	V FINE SILT: 0.0%		
(D ₇₅ - D ₂₅):	493.2	0.968	V COARSE SAND: 25.7%	CLAY: 0.0%		
	METHOD OF MOMENTS		FOLK & WARD METHOD			
	Arithmetic	Geometric	Logarithmic	Geometric	Logarithmic	Description
	µm	µm	φ	µm	φ	
MEAN (x̄):	696.9	618.0	0.694	610.4	0.712	Coarse Sand
SORTING (σ):	317.8	1.592	0.671	1.728	0.789	Moderately Sorted
SKEWNESS (S _k):	0.621	-0.079	0.079	-0.002	0.002	Symmetrical
KURTOSIS (K):	2.097	2.196	2.196	0.959	0.959	Mesokurtic



f. Stasiun II

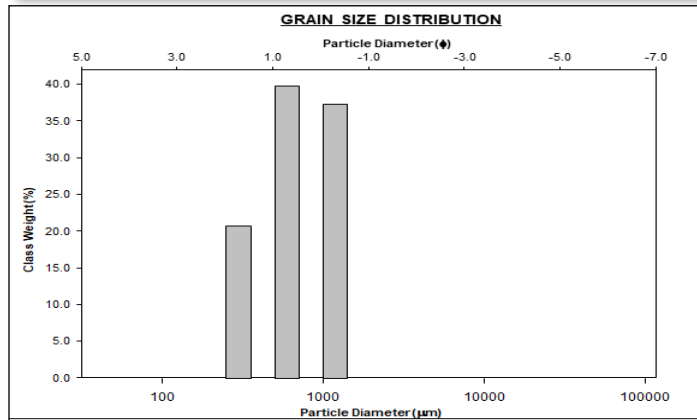
▪ Arah Utara

SAMPLE STATISTICS						
SAMPLE IDENTITY: Stasiun 2 UMS			ANALYST & DATE: Grain Size, 5/22/22			
SAMPLE TYPE: Trimodal, Moderately Well Sorted			TEXTURAL GROUP: Sand			
SEDIMENT NAME: Moderately Well Sorted Coarse Sand						
	µm	φ	GRAIN SIZE DISTRIBUTION			
MODE 1:	605.0	0.747	GRAVEL: 0.0%	COARSE SAND: 45.2%		
MODE 2:	1200.0	-0.243	SAND: 100.0%	MEDIUM SAND: 14.2%		
MODE 3:	302.5	1.747	MUD: 0.0%	FINE SAND: 0.0%		
D ₁₀ :	320.3	-0.366	V FINE SAND: 0.0%			
MEDIAN or D ₅₀ :	660.3	0.599	V COARSE GRAVEL: 0.0%	V COARSE SILT: 0.0%		
D ₉₀ :	1288.8	1.643	COARSE GRAVEL: 0.0%	COARSE SILT: 0.0%		
(D ₉₀ / D ₁₀):	4.024	-4.488	MEDIUM GRAVEL: 0.0%	MEDIUM SILT: 0.0%		
(D ₉₀ - D ₁₀):	968.5	2.009	FINE GRAVEL: 0.0%	FINE SILT: 0.0%		
(D ₇₅ / D ₂₅):	2.093	-4.703	V FINE GRAVEL: 0.0%	V FINE SILT: 0.0%		
(D ₇₅ - D ₂₅):	594.4	1.065	V COARSE SAND: 40.6%	CLAY: 0.0%		
	METHOD OF MOMENTS		FOLK & WARD METHOD			
	Arithmetic	Geometric	Logarithmic	Geometric	Logarithmic	Description
	µm	µm	φ	µm	φ	
MEAN (x̄):	804.0	713.8	0.486	743.3	0.428	Coarse Sand
SORTING (σ):	342.4	1.610	0.687	1.579	0.659	Moderately Well Sorted
SKEWNESS (S _k):	0.095	-0.414	0.414	0.157	-0.157	Coarse Skewed
KURTOSIS (K):	1.430	2.132	2.132	0.864	0.864	Platykurtic



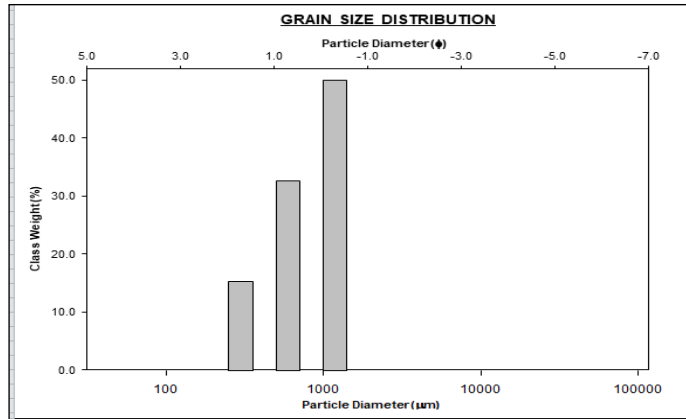
▪ Arah Selatan

SAMPLE STATISTICS						
SAMPLE IDENTITY: Stasiun 2 S MS			ANALYST & DATE: Grain Size, 5/22/22			
SAMPLE TYPE: Trimodal, Moderately Sorted			TEXTURAL GROUP: Sand			
SEDIMENT NAME: Moderately Sorted Coarse Sand						
	μm	ϕ	GRAIN SIZE DISTRIBUTION			
MODE 1:	605.0	0.747	GRAVEL: 0.0%	COARSE SAND: 41.3%		
MODE 2:	1200.0	-0.243	SAND: 100.0%	MEDIUM SAND: 21.6%		
MODE 3:	302.5	1.747	MUD: 0.0%	FINE SAND: 0.0%		
D_{10} :	294.2	-0.355	V FINE SAND: 0.0%			
MEDIAN or D_{50} :	636.5	0.652	V COARSE GRAVEL: 0.0%	V COARSE SILT: 0.0%		
D_{90} :	1278.7	1.765	COARSE GRAVEL: 0.0%	COARSE SILT: 0.0%		
(D_{90} / D_{10}) :	4.347	-4.977	MEDIUM GRAVEL: 0.0%	MEDIUM SILT: 0.0%		
$(D_{90} - D_{10})$:	984.5	2.120	FINE GRAVEL: 0.0%	FINE SILT: 0.0%		
(D_{75} / D_{25}) :	2.168	-6.041	V FINE GRAVEL: 0.0%	V FINE SILT: 0.0%		
$(D_{75} - D_{25})$:	601.3	1.116	V COARSE SAND: 37.1%	CLAY: 0.0%		
	METHOD OF MOMENTS		FOLK & WARD METHOD			
	Arithmetic	Geometric	Logarithmic	Geometric	Logarithmic	Description
	μm	μm	ϕ	μm	ϕ	
MEAN (\bar{x}):	760.7	662.0	0.595	630.0	0.667	Coarse Sand
SORTING (σ):	356.3	1.677	0.746	1.770	0.824	Moderately Sorted
SKEWNESS (S_k):	0.203	-0.271	0.271	-0.046	0.046	Symmetrical
KURTOSIS (K_k):	1.463	1.819	1.819	0.845	0.845	Platykurtic



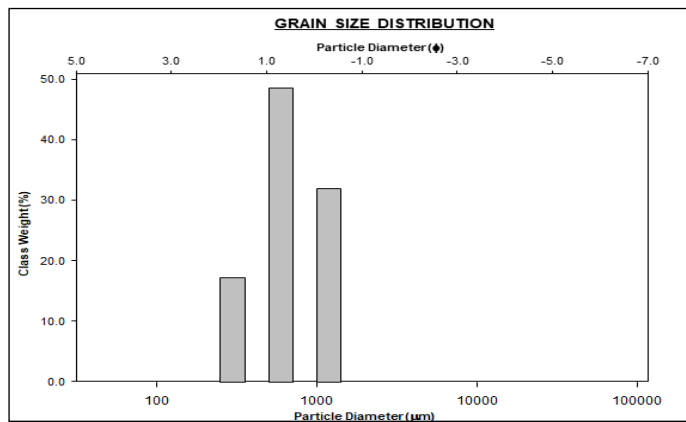
▪ Arah Barat

SAMPLE STATISTICS						
SAMPLE IDENTITY: Stasiun 2 B MS			ANALYST & DATE: Grain Size, 5/22/22			
SAMPLE TYPE: Trimodal, Moderately Well Sorted			TEXTURAL GROUP: Sand			
SEDIMENT NAME: Moderately Well Sorted Very Coarse Sand						
	μm	ϕ	GRAIN SIZE DISTRIBUTION			
MODE 1:	1200.0	-0.243	GRAVEL: 0.0%	COARSE SAND: 34.1%		
MODE 2:	605.0	0.747	SAND: 100.0%	MEDIUM SAND: 15.9%		
MODE 3:	302.5	1.747	MUD: 0.0%	FINE SAND: 0.0%		
D_{10} :	311.5	-0.388	V FINE SAND: 0.0%			
MEDIAN or D_{50} :	1000.0	0.000	V COARSE GRAVEL: 0.0%	V COARSE SILT: 0.0%		
D_{90} :	1308.9	1.683	COARSE GRAVEL: 0.0%	COARSE SILT: 0.0%		
(D_{90} / D_{10}) :	4.202	-4.333	MEDIUM GRAVEL: 0.0%	MEDIUM SILT: 0.0%		
$(D_{90} - D_{10})$:	997.4	2.071	FINE GRAVEL: 0.0%	FINE SILT: 0.0%		
(D_{75} / D_{25}) :	2.156	-3.566	V FINE GRAVEL: 0.0%	V FINE SILT: 0.0%		
$(D_{75} - D_{25})$:	634.3	1.108	V COARSE SAND: 50.0%	CLAY: 0.0%		
	METHOD OF MOMENTS		FOLK & WARD METHOD			
	Arithmetic	Geometric	Logarithmic	Geometric	Logarithmic	Description
	μm	μm	ϕ	μm	ϕ	
MEAN (\bar{x}):	854.3	751.8	0.412	856.8	0.223	Coarse Sand
SORTING (σ):	359.8	1.662	0.733	1.599	0.677	Moderately Well Sorted
SKEWNESS (S_k):	-0.245	-0.642	0.642	-0.560	0.560	Very Fine Skewed
KURTOSIS (K_k):	1.386	2.093	2.093	0.843	0.843	Platykurtic



▪ Arah Timur

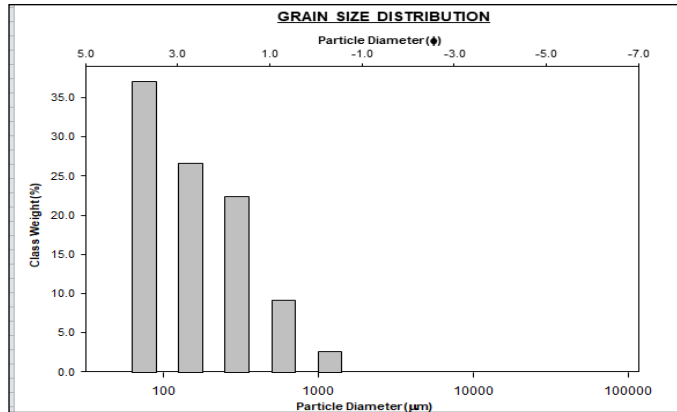
SAMPLE STATISTICS						
SAMPLE IDENTITY: Stasiun 2 T MS			ANALYST & DATE: Grain Size, 5/22/22			
SAMPLE TYPE: Trimodal, Moderately Sorted			TEXTURAL GROUP: Sand			
SEDIMENT NAME: Moderately Sorted Coarse Sand						
	µm	φ	GRAIN SIZE DISTRIBUTION			
MODE 1:	605.0	0.747	GRAVEL:	0.0%	COARSE SAND:	50.3%
MODE 2:	1200.0	-0.243	SAND:	100.0%	MEDIUM SAND:	17.9%
MODE 3:	302.5	1.747	MUD:	0.0%	FINE SAND:	0.0%
D ₁₀ :	304.2	-0.333			V FINE SAND:	0.0%
MEDIAN or D ₅₀ :	625.4	0.677	V COARSE GRAVEL:	0.0%	V COARSE SILT:	0.0%
D ₉₀ :	1259.4	1.717	COARSE GRAVEL:	0.0%	COARSE SILT:	0.0%
(D ₉₀ / D ₁₀):	4.140	-5.161	MEDIUM GRAVEL:	0.0%	MEDIUM SILT:	0.0%
(D ₉₀ - D ₁₀):	955.2	2.050	FINE GRAVEL:	0.0%	FINE SILT:	0.0%
(D ₇₅ / D ₂₅):	2.045	-8.957	V FINE GRAVEL:	0.0%	V FINE SILT:	0.0%
(D ₇₅ - D ₂₅):	549.1	1.032	V COARSE SAND:	31.8%	CLAY:	0.0%
	METHOD OF MOMENTS		FOLK & WARD METHOD			
	Arithmetic	Geometric	Logarithmic	Geometric	Logarithmic	Description
	µm	µm	φ	µm	φ	
MEAN (x̄):	740.0	654.6	0.611	632.4	0.661	Coarse Sand
SORTING (σ):	332.7	1.610	0.687	1.730	0.791	Moderately Sorted
SKEWNESS (Sk):	0.400	-0.202	0.202	-0.008	0.008	Symmetrical
KURTOSIS (K):	1.711	2.097	2.097	0.900	0.900	Mesokurtic



g. Stasiun III

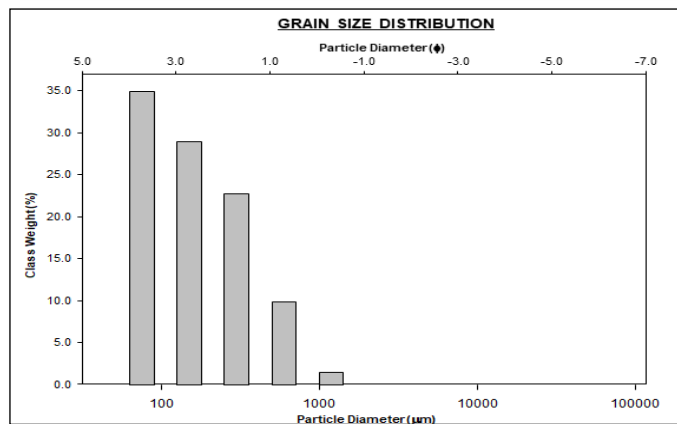
▪ Arah Utara

SAMPLE STATISTICS						
SAMPLE IDENTITY: Stasiun 3 U MS			ANALYST & DATE: Grain Size, 5/22/22			
SAMPLE TYPE: Polymodal, Poorly Sorted			TEXTURAL GROUP: Muddy Sand			
SEDIMENT NAME: Coarse Silty Very Fine Sand						
	µm	φ	GRAIN SIZE DISTRIBUTION			
MODE 1:	76.50	3.731	GRAVEL:	0.0%	COARSE SAND:	6.9%
MODE 2:	152.5	2.737	SAND:	75.0%	MEDIUM SAND:	16.8%
MODE 3:	302.5	1.747	MUD:	25.0%	FINE SAND:	20.9%
D ₁₀ :	11.88	1.530			V FINE SAND:	28.5%
MEDIAN or D ₅₀ :	86.22	3.536	V COARSE GRAVEL:	0.0%	V COARSE SILT:	4.2%
D ₉₀ :	346.3	6.395	COARSE GRAVEL:	0.0%	COARSE SILT:	4.2%
(D ₉₀ / D ₁₀):	29.15	4.180	MEDIUM GRAVEL:	0.0%	MEDIUM SILT:	4.2%
(D ₉₀ - D ₁₀):	334.4	4.865	FINE GRAVEL:	0.0%	FINE SILT:	4.2%
(D ₇₅ / D ₂₅):	4.022	2.014	V FINE GRAVEL:	0.0%	V FINE SILT:	4.2%
(D ₇₅ - D ₂₅):	190.4	2.008	V COARSE SAND:	1.9%	CLAY:	4.2%
	METHOD OF MOMENTS		FOLK & WARD METHOD			
	Arithmetic	Geometric	Logarithmic	Geometric	Logarithmic	Description
	µm	µm	φ	µm	φ	
MEAN (x̄):	177.2	75.72	3.723	84.81	3.560	Very Fine Sand
SORTING (σ):	208.5	4.313	2.109	3.763	1.912	Poorly Sorted
SKEWNESS (Sk):	2.763	-0.453	0.453	-0.075	0.075	Symmetrical
KURTOSIS (K):	12.34	2.099	2.099	1.322	1.322	Leptokurtic



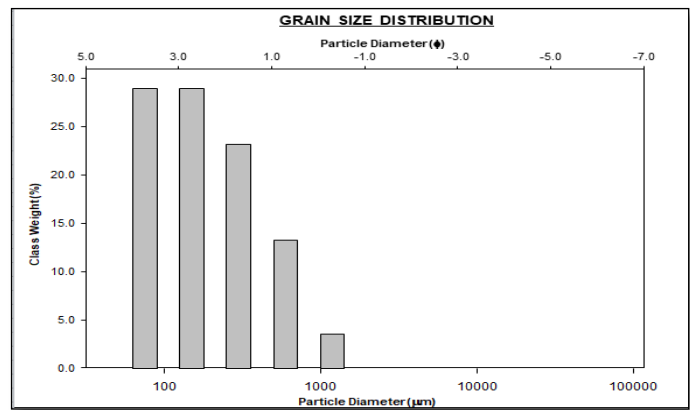
▪ Arah Selatan

SAMPLE STATISTICS						
SAMPLE IDENTITY: Stasiun 3 S MS			ANALYST & DATE: Grain Size, 5/22/22			
SAMPLE TYPE: Polymodal, Poorly Sorted			TEXTURAL GROUP: Muddy Sand			
SEDIMENT NAME: Very Coarse Silty Very Fine Sand						
	µm	φ	GRAIN SIZE DISTRIBUTION			
MODE 1:	76.50	3.731	GRAVEL:	0.0%	COARSE SAND:	7.4%
MODE 2:	152.5	2.737	SAND:	75.3%	MEDIUM SAND:	17.2%
MODE 3:	302.5	1.747	MUD:	24.7%	FINE SAND:	22.7%
D ₁₀ :	12.04	1.538			V FINE SAND:	26.9%
MEDIAN or D ₅₀ :	88.17	3.504	V COARSE GRAVEL:	0.0%	V COARSE SILT:	4.1%
D ₉₀ :	344.5	6.376	COARSE GRAVEL:	0.0%	COARSE SILT:	4.1%
(D ₉₀ / D ₁₀):	28.61	4.147	MEDIUM GRAVEL:	0.0%	MEDIUM SILT:	4.1%
(D ₉₀ - D ₁₀):	332.4	4.839	FINE GRAVEL:	0.0%	FINE SILT:	4.1%
(D ₇₅ / D ₂₅):	4.010	2.012	V FINE GRAVEL:	0.0%	V FINE SILT:	4.1%
(D ₇₅ - D ₂₅):	190.4	2.004	V COARSE SAND:	1.1%	CLAY:	4.1%
	METHOD OF MOMENTS		FOLK & WARD METHOD			
	Arithmetic	Geometric	Logarithmic	Geometric	Logarithmic	Description
	µm	µm	φ	µm	φ	
MEAN (x̄):	173.2	76.68	3.705	85.98	3.540	Very Fine Sand
SORTING (σ):	189.2	4.255	2.089	3.721	1.896	Poorly Sorted
SKEWNESS (Sk):	2.549	-0.515	0.515	-0.088	0.088	Symmetrical
KURTOSIS (K):	11.64	2.098	2.098	1.315	1.315	Leptokurtic



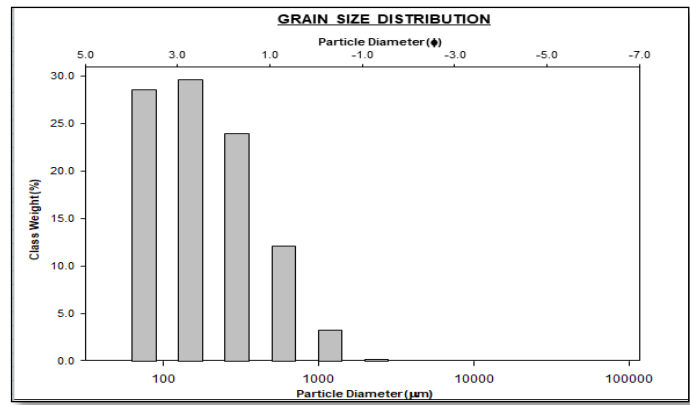
▪ Arah Barat

SAMPLE STATISTICS						
SAMPLE IDENTITY: Stasiun 3 B MS			ANALYST & DATE: Grain Size, 5/22/22			
SAMPLE TYPE: Polymodal, Poorly Sorted			TEXTURAL GROUP: Muddy Sand			
SEDIMENT NAME: Very Coarse Silty Fine Sand						
	µm	φ	GRAIN SIZE DISTRIBUTION			
MODE 1:	76.50	3.731	GRAVEL:	0.0%	COARSE SAND:	10.6%
MODE 2:	152.5	2.737	SAND:	79.8%	MEDIUM SAND:	18.6%
MODE 3:	302.5	1.747	MUD:	20.2%	FINE SAND:	24.1%
D ₁₀ :	15.40	0.838			V FINE SAND:	23.7%
MEDIAN or D ₅₀ :	137.1	2.867	V COARSE GRAVEL:	0.0%	V COARSE SILT:	3.4%
D ₉₀ :	559.2	6.021	COARSE GRAVEL:	0.0%	COARSE SILT:	3.4%
(D ₉₀ / D ₁₀):	36.30	7.180	MEDIUM GRAVEL:	0.0%	MEDIUM SILT:	3.4%
(D ₉₀ - D ₁₀):	543.8	5.182	FINE GRAVEL:	0.0%	FINE SILT:	3.4%
(D ₇₅ / D ₂₅):	4.214	2.146	V FINE GRAVEL:	0.0%	V FINE SILT:	3.4%
(D ₇₅ - D ₂₅):	217.5	2.075	V COARSE SAND:	2.8%	CLAY:	3.4%
	METHOD OF MOMENTS		FOLK & WARD METHOD			
	Arithmetic	Geometric	Logarithmic	Geometric	Logarithmic	Description
	µm	µm	φ	µm	φ	
MEAN (x̄):	215.1	97.60	3.357	117.6	3.088	Very Fine Sand
SORTING (σ):	238.2	4.260	2.091	3.454	1.788	Poorly Sorted
SKEWNESS (Sk):	2.293	-0.629	0.629	-0.248	0.248	Fine Skewed
KURTOSIS (K):	8.971	2.426	2.426	1.266	1.266	Leptokurtic



▪ Arah Timur

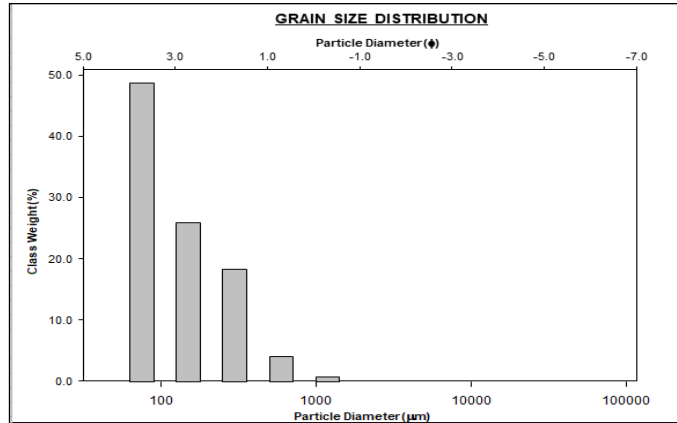
SAMPLE STATISTICS						
SAMPLE IDENTITY: Stasiun 3 T MS			ANALYST & DATE: Grain Size, 5/22/22			
SAMPLE TYPE: Polymodal, Poorly Sorted			TEXTURAL GROUP: Slightly Gravelly Muddy Sand			
SEDIMENT NAME: Slightly Very Fine Gravelly Very Coarse Silty Fine Sand						
	µm	φ	GRAIN SIZE DISTRIBUTION			
MODE 1:	152.5	2.737	GRAVEL: 0.2%	COARSE SAND: 10.0%		
MODE 2:	76.50	3.731	SAND: 81.7%	MEDIUM SAND: 19.8%		
MODE 3:	302.5	1.747	MUD: 18.1%	FINE SAND: 25.4%		
D ₁₀ :	18.11	0.858		V FINE SAND: 23.9%		
MEDIAN or D ₅₀ :	140.2	2.835	V COARSE GRAVEL: 0.0%	V COARSE SILT: 3.0%		
D ₉₀ :	551.8	5.787	COARSE GRAVEL: 0.0%	COARSE SILT: 3.0%		
(D ₉₀ / D ₁₀):	30.47	6.746	MEDIUM GRAVEL: 0.0%	MEDIUM SILT: 3.0%		
(D ₉₀ - D ₁₀):	533.7	4.929	FINE GRAVEL: 0.0%	FINE SILT: 3.0%		
(D ₇₅ / D ₂₅):	4.097	2.126	V FINE GRAVEL: 0.2%	V FINE SILT: 3.0%		
(D ₇₅ - D ₂₅):	216.2	2.034	V COARSE SAND: 2.6%	CLAY: 3.0%		
	METHOD OF MOMENTS		FOLK & WARD METHOD		Description	
	Arithmetic	Geometric	Logarithmic	Geometric	Logarithmic	
	µm	µm	φ	µm	φ	
MEAN (\bar{x}):	219.0	103.9	3.256	128.8	2.957	Fine Sand
SORTING (σ):	250.2	4.065	2.023	3.190	1.674	Poorly Sorted
SKEWNESS (Sk):	3.058	-0.699	0.699	-0.209	0.209	Fine Skewed
KURTOSIS (K):	17.58	2.678	2.678	1.267	1.267	Leptokurtic



h. Stasiun IV

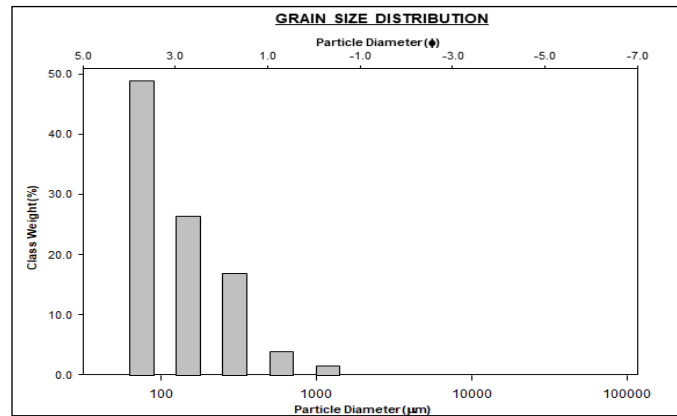
▪ Arah Utara

SAMPLE STATISTICS						
SAMPLE IDENTITY: Stasiun 4 U MS			ANALYST & DATE: Grain Size, 5/22/22			
SAMPLE TYPE: Trimodal, Poorly Sorted			TEXTURAL GROUP: Muddy Sand			
SEDIMENT NAME: Very Coarse Silty Very Fine Sand						
	µm	φ	GRAIN SIZE DISTRIBUTION			
MODE 1:	76.50	3.731	GRAVEL: 0.0%	COARSE SAND: 2.9%		
MODE 2:	152.5	2.737	SAND: 71.3%	MEDIUM SAND: 13.1%		
MODE 3:	302.5	1.747	MUD: 28.7%	FINE SAND: 19.2%		
D ₁₀ :	10.26	1.747		V FINE SAND: 35.4%		
MEDIAN or D ₅₀ :	78.00	3.680	V COARSE GRAVEL: 0.0%	V COARSE SILT: 4.8%		
D ₉₀ :	298.0	6.607	COARSE GRAVEL: 0.0%	COARSE SILT: 4.8%		
(D ₉₀ / D ₁₀):	29.05	3.783	MEDIUM GRAVEL: 0.0%	MEDIUM SILT: 4.8%		
(D ₉₀ - D ₁₀):	287.7	4.860	FINE GRAVEL: 0.0%	FINE SILT: 4.8%		
(D ₇₅ / D ₂₅):	3.515	1.671	V FINE GRAVEL: 0.0%	V FINE SILT: 4.8%		
(D ₇₅ - D ₂₅):	109.8	1.814	V COARSE SAND: 0.5%	CLAY: 4.8%		
	METHOD OF MOMENTS		FOLK & WARD METHOD		Description	
	Arithmetic	Geometric	Logarithmic	Geometric	Logarithmic	
	µm	µm	φ	µm	φ	
MEAN (\bar{x}):	129.4	57.86	4.111	71.30	3.810	Very Fine Sand
SORTING (σ):	143.1	3.981	1.993	3.530	1.820	Poorly Sorted
SKEWNESS (Sk):	3.438	-0.391	0.391	-0.181	0.181	Fine Skewed
KURTOSIS (K):	20.70	1.923	1.923	1.299	1.299	Leptokurtic



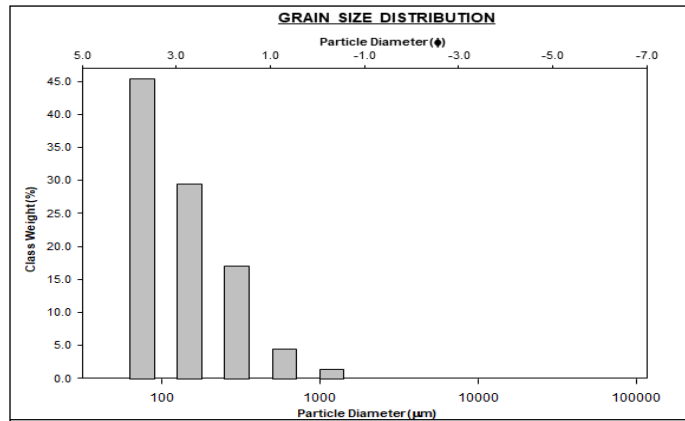
▪ Arah Selatan

SAMPLE STATISTICS						
SAMPLE IDENTITY: Stasiun 4 S MS			ANALYST & DATE: Grain Size, 5/22/22			
SAMPLE TYPE: Trimodal, Poorly Sorted			TEXTURAL GROUP: Muddy Sand			
SEDIMENT NAME: Fine Silty Very Fine Sand						
			GRAIN SIZE DISTRIBUTION			
MODE 1:	µm	φ	GRAVEL: 0.0%		COARSE SAND: 3.0%	
MODE 2:	152.5	2.737	SAND: 76.7%		MEDIUM SAND: 13.1%	
MODE 3:	302.5	1.747	MUD: 23.3%		FINE SAND: 21.2%	
D ₁₀ :	12.88	1.720			V FINE SAND: 38.3%	
MEDIAN or D ₅₀ :	80.79	3.630	V COARSE GRAVEL: 0.0%		V COARSE SILT: 3.9%	
D ₉₀ :	303.5	6.279	COARSE GRAVEL: 0.0%		COARSE SILT: 3.9%	
(D ₉₀ / D ₁₀):	23.57	3.650	MEDIUM GRAVEL: 0.0%		MEDIUM SILT: 3.9%	
(D ₉₀ - D ₁₀):	290.6	4.559	FINE GRAVEL: 0.0%		FINE SILT: 3.9%	
(D ₇₅ / D ₂₅):	2.460	1.487	V FINE GRAVEL: 0.0%		V FINE SILT: 3.9%	
(D ₇₅ - D ₂₅):	93.45	1.299	V COARSE SAND: 1.2%		CLAY: 3.9%	
			METHOD OF MOMENTS		FOLK & WARD METHOD	
	Arithmetic	Geometric	Logarithmic	Geometric	Logarithmic	Description
	µm	µm	φ	µm	φ	
MEAN (\bar{x}):	140.6	67.62	3.886	81.92	3.610	Very Fine Sand
SORTING (σ):	164.9	3.747	1.906	3.191	1.674	Poorly Sorted
SKEWNESS (S \bar{x}):	3.762	-0.528	0.528	-0.116	0.116	Fine Skewed
KURTOSIS (K):	21.70	2.360	2.360	1.771	1.771	Very Leptokurtic



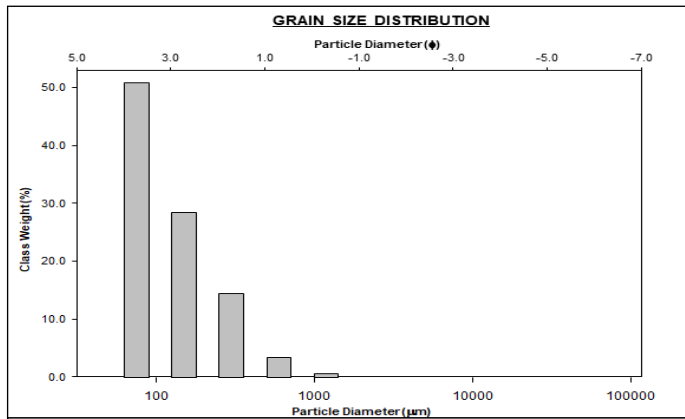
▪ Arah Barat

SAMPLE STATISTICS						
SAMPLE IDENTITY: Stasiun 4 B MS			ANALYST & DATE: Grain Size, 5/22/22			
SAMPLE TYPE: Trimodal, Poorly Sorted			TEXTURAL GROUP: Muddy Sand			
SEDIMENT NAME: Very Coarse Silty Very Fine Sand						
			GRAIN SIZE DISTRIBUTION			
MODE 1:	µm	φ	GRAVEL: 0.0%		COARSE SAND: 3.4%	
MODE 2:	152.5	2.737	SAND: 73.6%		MEDIUM SAND: 12.6%	
MODE 3:	302.5	1.747	MUD: 26.4%		FINE SAND: 22.5%	
D ₁₀ :	11.16	1.717			V FINE SAND: 34.0%	
MEDIAN or D ₅₀ :	80.65	3.632	V COARSE GRAVEL: 0.0%		V COARSE SILT: 4.4%	
D ₉₀ :	304.1	6.486	COARSE GRAVEL: 0.0%		COARSE SILT: 4.4%	
(D ₉₀ / D ₁₀):	27.26	3.777	MEDIUM GRAVEL: 0.0%		MEDIUM SILT: 4.4%	
(D ₉₀ - D ₁₀):	293.0	4.769	FINE GRAVEL: 0.0%		FINE SILT: 4.4%	
(D ₇₅ / D ₂₅):	2.939	1.585	V FINE GRAVEL: 0.0%		V FINE SILT: 4.4%	
(D ₇₅ - D ₂₅):	104.4	1.555	V COARSE SAND: 1.1%		CLAY: 4.4%	
			METHOD OF MOMENTS		FOLK & WARD METHOD	
	Arithmetic	Geometric	Logarithmic	Geometric	Logarithmic	Description
	µm	µm	φ	µm	φ	
MEAN (\bar{x}):	140.2	63.43	3.979	75.74	3.723	Very Fine Sand
SORTING (σ):	165.0	3.964	1.987	3.416	1.772	Poorly Sorted
SKEWNESS (S \bar{x}):	3.637	-0.444	0.444	-0.168	0.168	Fine Skewed
KURTOSIS (K):	20.65	2.096	2.096	1.509	1.509	Very Leptokurtic



▪ Arah Timur

SAMPLE STATISTICS						
SAMPLE IDENTITY: Stasiun 4 T MS			ANALYST & DATE: Grain Size, 5/22/22			
SAMPLE TYPE: Trimodal, Poorly Sorted			TEXTURAL GROUP: Muddy Sand			
SEDIMENT NAME: Coarse Silty Very Fine Sand						
	µm	φ	GRAIN SIZE DISTRIBUTION			
MODE 1:	76.50	3.731	GRAVEL:	0.0%	COARSE SAND:	2.7%
MODE 2:	152.5	2.737	SAND:	78.5%	MEDIUM SAND:	11.3%
MODE 3:	302.5	1.747	MUD:	21.5%	FINE SAND:	23.2%
D ₁₀ :	14.17	1.794			V FINE SAND:	40.6%
MEDIAN or D ₅₀ :	80.87	3.628	V COARSE GRAVEL:	0.0%	V COARSE SILT:	3.6%
D ₉₀ :	288.4	6.141	COARSE GRAVEL:	0.0%	COARSE SILT:	3.6%
(D ₉₀ / D ₁₀):	20.35	3.423	MEDIUM GRAVEL:	0.0%	MEDIUM SILT:	3.6%
(D ₉₀ - D ₁₀):	274.2	4.347	FINE GRAVEL:	0.0%	FINE SILT:	3.6%
(D ₇₅ / D ₂₅):	2.355	1.456	V FINE GRAVEL:	0.0%	V FINE SILT:	3.6%
(D ₇₅ - D ₂₅):	87.97	1.236	V COARSE SAND:	0.5%	CLAY:	3.6%
	METHOD OF MOMENTS		FOLK & WARD METHOD			
	Arithmetic	Geometric	Logarithmic	Geometric	Logarithmic	Description
	µm	µm	φ	µm	φ	
MEAN (x̄):	130.8	68.09	3.876	75.90	3.720	Very Fine Sand
SORTING (σ):	138.5	3.511	1.812	2.758	1.463	Poorly Sorted
SKEWNESS (Sk):	3.736	-0.652	0.652	-0.180	0.180	Fine Skewed
KURTOSIS (K):	23.57	2.536	2.536	1.824	1.824	Very Leptokurtic



Lampiran 10. Dokumentasi Kegiatan di Lapangan



Lampiran 11. Dokumentasi Kegiatan di Laboratorium

