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LAMPIRAN

Lampiran 1. Data Arah Kecepatan Arus

Tabel 7. Data arah kecepatan arus

No	Lokasi	Ulangan	Surut				Pasang			
			Jarak	Waktu	Kecepatan Arus	Arah	Jarak	Waktu	Kecepatan Arus	Arah
			Tempuh (s)	(detik) (t)	(m/dt) $V= s/t$		Tempuh (s)	(detik) (t)	(m/dt) $V= s/t$	
1		1	10	205	0.0488	Utara	10	179	0.0559	utara
2	Stasiun	2	10	171	0.0585	Utara	10	165	0.0606	Utara
3	1	3	10	160	0.0625	Utara	10	165	0.0606	Utara
1		1	10	167	0.0599	Utara	10	210	0.0476	utara
2	Stasiun	2	10	119	0.0840	Utara	10	156	0.0641	Utara
3	2	3	10	117	0.0855	Utara	10	160	0.0625	Utara
1		1	10	255	0.0392	Utara	10	232	0.0431	utara
2	Stasiun	2	10	323	0.0310	Utara	10	160	0.0625	Utara
3	3	3	10	320	0.0313	Utara	10	170	0.0588	Utara

Lampiran 2. Data Pasang Surut

Tabel 8. Data pasang Surut

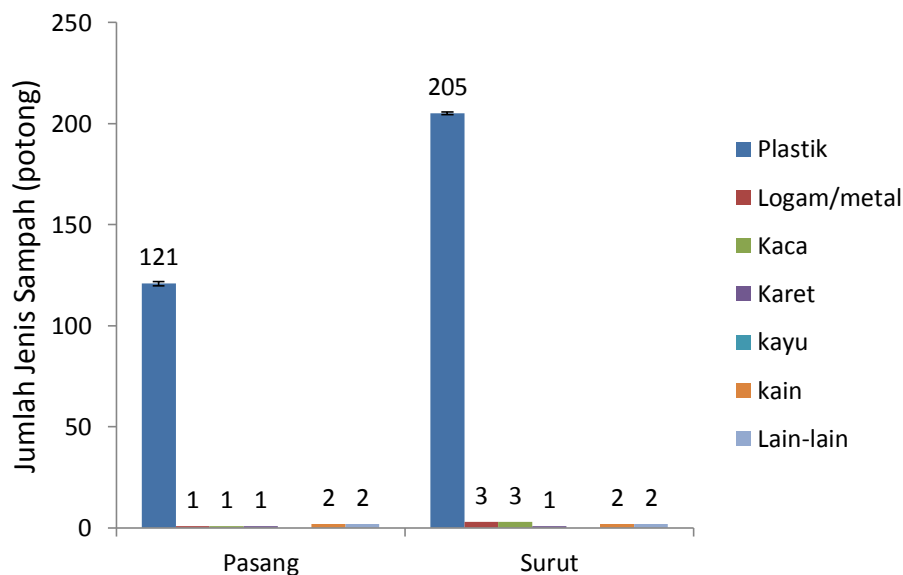
NO	Hari/Tgl	Jam	Tinggi Muka Air (H) (Cm)	Konstanta (C)	H.C
1	21 September 2019	0:00	51	1	51
2	21 September 2019	1:00	60	0	0
3	21 September 2019	2:00	73	1	73
4	21 September 2019	3:00	81	0	0
5	21 September 2019	4:00	87	0	0
6	21 September 2019	5:00	101	1	101
7	21 September 2019	6:00	119	0	0
8	21 September 2019	7:00	105	1	105
9	21 September 2019	8:00	85	1	85
10	21 September 2019	9:00	70	0	0
11	21 September 2019	10:00	68	2	136
12	21 September 2019	11:00	65	0	0
13	21 September 2019	12:00	63	1	63
14	21 September 2019	13:00	60	1	60
15	21 September 2019	14:00	58	0	0
16	21 September 2019	15:00	65	2	130
17	21 September 2019	16:00	70	1	70
18	21 September 2019	17:00	79	1	79
19	21 September 2019	18:00	85	2	170
20	21 September 2019	19:00	94	0	0
21	21 September 2019	20:00	103	2	206
22	21 September 2019	21:00	110	1	110
23	21 September 2019	22:00	117	1	117
24	21 September 2019	23:00	85	2	170
Total				21	1726

Lampiran 3. Data Gelombang

Tabel 9. Data Gelombang

Waktu Pengamatan	Pengamatan		
	Periode T	Tinggi gelombang HS	Tinggi gelombang Hu
	(detik)	(cm)	(cm)
6:00	7.51	9.77	27
8:00	6.72	11.47	18
10:00	7.45	6.53	10
12:00	7.55	5.94	9
14:00	2.94	7.00	9
16:00	6.47	9.53	12
18:00	7.33	15.05	21

Lampiran 4. Jumlah Jenis Sampah



Gambar 8. Diagram jumlah Jenis sampah laut pada saat pasang dan surut

Lampiran 5. Uji Statistik Jenis Sampah

Tabel 10. Hasil uji statistik perbedaan jenis sampah

N0	Variabel Massa	Analisis Statistik	f hit	sig.
1	Jenis Sampah Stasiun 1	One Way Anova	121.513	0.000*
2	Jenis Sampah Stasiun 2	One Way Anova	17.086	0.000*
3	Jenis Sampah Stasiun 3	One Way Anova	13.911	0.000*

* Signikan pada $\alpha = 0.05$ ($n=1036$)

1. One Way Anova

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
ST1	Between Groups	5416.000	6	902.667	121.513	.000
	Within Groups	104.000	14	7.429		
	Total	5520.000	20			
ST2	Between Groups	1806.286	6	301.048	17.086	.000
	Within Groups	246.667	14	17.619		
	Total	2052.952	20			
ST3	Between Groups	3553.238	6	592.206	13.911	.000
	Within Groups	596.000	14	42.571		
	Total	4149.238	20			

Post Hoc Tests

Multiple Comparisons

Dependent Variable (I)	Jenis (J)	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
Plastik	Logam	45.66667	2.22539	.000	38.0679	53.2655
	Kaca	46.00000	2.22539	.000	38.4012	53.5988
	Karet	45.66667	2.22539	.000	38.0679	53.2655
	Kayu	46.33333	2.22539	.000	38.7345	53.9321
	Kain	46.00000	2.22539	.000	38.4012	53.5988
	Lain-lain	45.66667	2.22539	.000	38.0679	53.2655
Logam	Plastik	-45.66667	2.22539	.000	-53.2655	-38.0679
	Kaca	.33333	2.22539	1.000	-7.2655	7.9321
	Karet	.00000	2.22539	1.000	-7.5988	7.5988
	Kayu	.66667	2.22539	1.000	-6.9321	8.2655
	Kain	.33333	2.22539	1.000	-7.2655	7.9321
	Lain-lain	.00000	2.22539	1.000	-7.5988	7.5988
Kaca	Plastik	-46.00000	2.22539	.000	-53.5988	-38.4012
	Logam	-.33333	2.22539	1.000	-7.9321	7.2655
	Karet	-.33333	2.22539	1.000	-7.9321	7.2655
	Kayu	.33333	2.22539	1.000	-7.2655	7.9321
	Kain	.00000	2.22539	1.000	-7.5988	7.5988
	Lain-lain	-.33333	2.22539	1.000	-7.9321	7.2655
Karet	Plastik	-45.66667	2.22539	.000	-53.2655	-38.0679
	Logam	.00000	2.22539	1.000	-7.5988	7.5988
	Kaca	.33333	2.22539	1.000	-7.2655	7.9321
	Kayu	.66667	2.22539	1.000	-6.9321	8.2655
	Kain	.33333	2.22539	1.000	-7.2655	7.9321
	Lain-lain	.00000	2.22539	1.000	-7.5988	7.5988
Kayu	Plastik	-46.33333	2.22539	.000	-53.9321	-38.7345
	Logam	-.66667	2.22539	1.000	-8.2655	6.9321

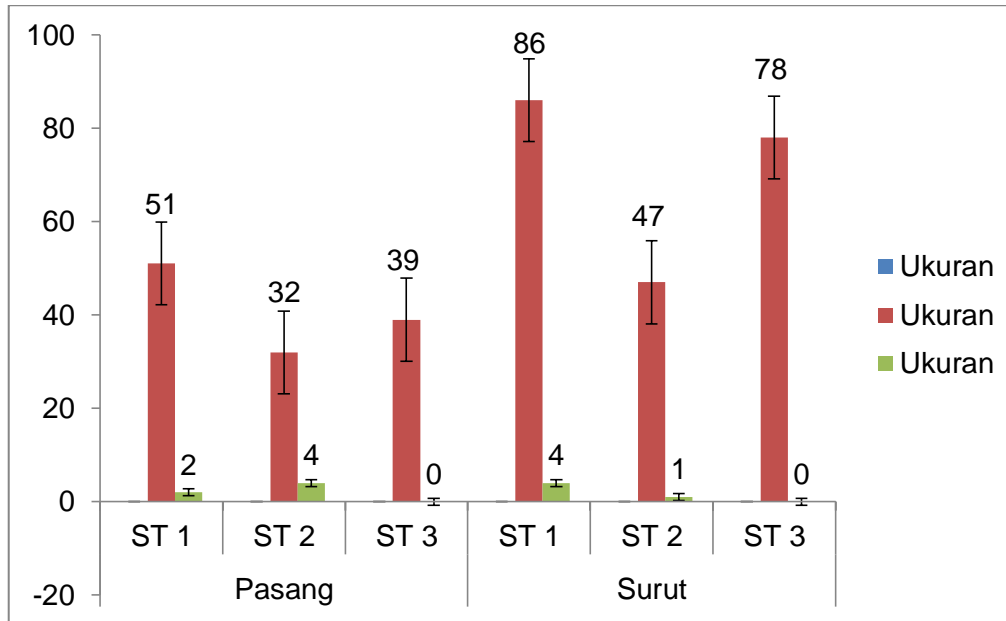
		Kaca		- .33333	2.22539	1.000	-7.9321	7.2655
		Karet		- .66667	2.22539	1.000	-8.2655	6.9321
		Kain		- .33333	2.22539	1.000	-7.9321	7.2655
		Lain-lain		- .66667	2.22539	1.000	-8.2655	6.9321
	Kain	Plastik		-46.00000	2.22539	.000	-53.5988	-38.4012
		Logam		- .33333	2.22539	1.000	-7.9321	7.2655
		Kaca		.00000	2.22539	1.000	-7.5988	7.5988
		Karet		- .33333	2.22539	1.000	-7.9321	7.2655
		Kayu		.33333	2.22539	1.000	-7.2655	7.9321
		Lain-lain		- .33333	2.22539	1.000	-7.9321	7.2655
		Plastik		-45.66667	2.22539	.000	-53.2655	-38.0679
		Logam		.00000	2.22539	1.000	-7.5988	7.5988
		Kaca		.33333	2.22539	1.000	-7.2655	7.9321
		Karet		.00000	2.22539	1.000	-7.5988	7.5988
		Kayu		.66667	2.22539	1.000	-6.9321	8.2655
		Kain		.33333	2.22539	1.000	-7.2655	7.9321
ST2	Tukey HSD	Plastik	Logam	26.33333	3.42725	.000	14.6307	38.0360
			Kaca	26.33333	3.42725	.000	14.6307	38.0360
			Karet	26.66667	3.42725	.000	14.9640	38.3693
			Kayu	26.66667	3.42725	.000	14.9640	38.3693
			Kain	26.33333	3.42725	.000	14.6307	38.0360
			Lain-lain	26.66667	3.42725	.000	14.9640	38.3693
	Logam	Plastik		-26.33333	3.42725	.000	-38.0360	-14.6307
		Kaca		.00000	3.42725	1.000	-11.7026	11.7026
		Karet		.33333	3.42725	1.000	-11.3693	12.0360
		Kayu		.33333	3.42725	1.000	-11.3693	12.0360
		Kain		.00000	3.42725	1.000	-11.7026	11.7026
		Lain-lain		.33333	3.42725	1.000	-11.3693	12.0360
	Kaca	Plastik		-26.33333	3.42725	.000	-38.0360	-14.6307
		Logam		.00000	3.42725	1.000	-11.7026	11.7026
		Karet		.33333	3.42725	1.000	-11.3693	12.0360
		Kayu		.33333	3.42725	1.000	-11.3693	12.0360
		Kain		.00000	3.42725	1.000	-11.7026	11.7026
		Lain-lain		.33333	3.42725	1.000	-11.3693	12.0360
	Karet	Plastik		-26.66667	3.42725	.000	-38.3693	-14.9640
		Logam		- .33333	3.42725	1.000	-12.0360	11.3693
		Kaca		- .33333	3.42725	1.000	-12.0360	11.3693
		Kayu		.00000	3.42725	1.000	-11.7026	11.7026
		Kain		- .33333	3.42725	1.000	-12.0360	11.3693
		Lain-lain		.00000	3.42725	1.000	-11.7026	11.7026
	Kayu	Plastik		-26.66667	3.42725	.000	-38.3693	-14.9640
		Logam		- .33333	3.42725	1.000	-12.0360	11.3693
		Kaca		- .33333	3.42725	1.000	-12.0360	11.3693
		Karet		.00000	3.42725	1.000	-11.7026	11.7026
		Kain		- .33333	3.42725	1.000	-12.0360	11.3693
		Lain-lain		.00000	3.42725	1.000	-11.7026	11.7026
	Kain	Plastik		-26.33333	3.42725	.000	-38.0360	-14.6307
		Logam		.00000	3.42725	1.000	-11.7026	11.7026

	Kaca	.00000	3.42725	1.000	-11.7026	11.7026
	Karet	.33333	3.42725	1.000	-11.3693	12.0360
	Kayu	.33333	3.42725	1.000	-11.3693	12.0360
	Lain-lain	.33333	3.42725	1.000	-11.3693	12.0360
Lain-lain	Plastik	-26.66667	3.42725	.000	-38.3693	-14.9640
	Logam	-.33333	3.42725	1.000	-12.0360	11.3693
	Kaca	-.33333	3.42725	1.000	-12.0360	11.3693
	Karet	.00000	3.42725	1.000	-11.7026	11.7026
	Kayu	.00000	3.42725	1.000	-11.7026	11.7026
	Kain	-.33333	3.42725	1.000	-12.0360	11.3693
	Logam	37.00000	5.32738	.000	18.8092	55.1908
	Kaca	37.33333	5.32738	.000	19.1425	55.5241
	Karet	37.33333	5.32738	.000	19.1425	55.5241
	Kayu	37.33333	5.32738	.000	19.1425	55.5241
	Kain	36.66667	5.32738	.000	18.4759	54.8575
	Lain-lain	37.33333	5.32738	.000	19.1425	55.5241
Logam	Plastik	-37.00000	5.32738	.000	-55.1908	-18.8092
	Kaca	.33333	5.32738	1.000	-17.8575	18.5241
	Karet	.33333	5.32738	1.000	-17.8575	18.5241
	Kayu	.33333	5.32738	1.000	-17.8575	18.5241
	Kain	-.33333	5.32738	1.000	-18.5241	17.8575
	Lain-lain	.33333	5.32738	1.000	-17.8575	18.5241
Kaca	Plastik	-37.33333	5.32738	.000	-55.5241	-19.1425
	Logam	-.33333	5.32738	1.000	-18.5241	17.8575
	Karet	.00000	5.32738	1.000	-18.1908	18.1908
	Kayu	.00000	5.32738	1.000	-18.1908	18.1908
	Kain	-.66667	5.32738	1.000	-18.8575	17.5241
	Lain-lain	.00000	5.32738	1.000	-18.1908	18.1908
Karet	Plastik	-37.33333	5.32738	.000	-55.5241	-19.1425
	Logam	-.33333	5.32738	1.000	-18.5241	17.8575
	Kaca	.00000	5.32738	1.000	-18.1908	18.1908
	Kayu	.00000	5.32738	1.000	-18.1908	18.1908
	Kain	-.66667	5.32738	1.000	-18.8575	17.5241
	Lain-lain	.00000	5.32738	1.000	-18.1908	18.1908
Kayu	Plastik	-37.33333	5.32738	.000	-55.5241	-19.1425
	Logam	-.33333	5.32738	1.000	-18.5241	17.8575
	Kaca	.00000	5.32738	1.000	-18.1908	18.1908
	Karet	.00000	5.32738	1.000	-18.1908	18.1908
	Kain	-.66667	5.32738	1.000	-18.8575	17.5241
	Lain-lain	.00000	5.32738	1.000	-18.1908	18.1908
Kain	Plastik	-36.66667	5.32738	.000	-54.8575	-18.4759
	Logam	.33333	5.32738	1.000	-17.8575	18.5241
	Kaca	.66667	5.32738	1.000	-17.5241	18.8575
	Karet	.66667	5.32738	1.000	-17.5241	18.8575
	Kayu	.66667	5.32738	1.000	-17.5241	18.8575
	Lain-lain	.66667	5.32738	1.000	-17.5241	18.8575
Lain-lain	Plastik	-37.33333	5.32738	.000	-55.5241	-19.1425
	Logam	-.33333	5.32738	1.000	-18.5241	17.8575

Kaca	.00000	5.32738	1.000	-18.1908	18.1908
Karet	.00000	5.32738	1.000	-18.1908	18.1908
Kayu	.00000	5.32738	1.000	-18.1908	18.1908
Kain	-.66667	5.32738	1.000	-18.8575	17.5241

*. The mean difference is significant at the 0.05 level.

Lampiran 6. Ukuran Sampah Laut



Gambar 9. Diagram Ukuran Sampah Laut

1. Uji *One Way Anova* ukuran sampah laut

Tabel 11. Statistik ukuran sampah laut

No	Variabel	Analisis Data	F Hitung/T Hitung	Sig.
1	Ukuran Stasiun 1 (Pasang)	One Way Anova	49.245	0.000*
2	Ukuran Stasiun 1 (Surut)	One Way Anova	56.469	0.000*
3	Ukuran Stasiun 2 (Pasang)	One Way Anova	27.781	0.001*
4	Ukuran Stasiun 2 (Surut)	One Way Anova	9.441	0.014*
5	Ukuran Stasiun 3 (Pasang)	One Way Anova	25.569	0.001*
6	Ukuran Stasiun 3 (Surut)	One Way Anova	8.769	0.017*
7	Mega (Pasang) Di 3 Stasiun	One Way Anova	-	-
8	Makro (Pasang) Di 3 Stasiun	One Way Anova	2.037	0.211
9	Meso (Pasang) Di 3 Stasiun	One Way Anova	6.000	0.037*
10	Mega (Surut) Di 3 Stasiun	One Way Anova	-	-
11	Makro (Surut) Di 3 Stasiun	One Way Anova	1.242	0.354
12	Meso (Surut) Di 3 Stasiun	One Way Anova	2.600	0.154

13	Stasiun 1 Mega	Uji T Berpasangan	-	-
14	Stasiun 1 Makro	Uji T Berpasangan	-	0.901
15	Stasiun 1 Meso	Uji T Berpasangan	-	0.667
16	Stasiun 2 Mega	Uji T Berpasangan	-	-
17	Stasiun 2 Makro	Uji T Berpasangan	-	0.212
18	Stasiun 2 Meso	Uji T Berpasangan	-	-
19	Stasiun 3 Mega	Uji T Berpasangan	-	-
20	Stasiun 3 Makro	Uji T Berpasangan	-	0.854
21	Stasiun 3 Meso	Uji T Berpasangan	-	-

*signifikan pada alpha = 0.05

a. Perbedaan ukuran Sampah Laut (Pasang) di Stasiun 1

Jumlah	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	536.222	2	268.111	49.245	.000
Within Groups	32.667	6	5.444		
Total	568.889	8			

Post Hoc Tests

Multiple Comparisons

Dependent Variable: Jumlah

(I) Ukuran	(J) Ukuran	Mean Difference (I-J)	Std. Error	Sig.
Tukey HSD	Mega Makro	-17.000*	1.905	.000
	Meso Makro	-1.333	1.905	.772
	Makro Mega	17.000*	1.905	.000
	Meso Mega	15.667*	1.905	.000
	Meso Makro	1.333	1.905	.772
	Makro Meso	-15.667*	1.905	.000
LSD	Mega Makro	-17.000*	1.905	.000
	Meso Makro	-1.333	1.905	.510
	Makro Mega	17.000*	1.905	.000
	Meso Mega	15.667*	1.905	.000

Meso	Mega	1.333	1.905	.510
	Makro	-15.667*	1.905	.000

*. The mean difference is significant at the 0.05 level.

b. Perbedaan ukuran Sampah Laut (Surut) di Stasiun 1

Jumlah	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	1606.222	2	803.111	56.469	.000
Within Groups	85.333	6	14.222		
Total	1691.556	8			

Post Hoc Tests

Multiple Comparisons

Dependent Variable: Jumlah

	(I) Ukuran	(J) Ukuran	Mean Difference (I-J)	Std. Error	Sig.
Tukey HSD	Mega	Makro	-28.667*	3.079	.000
		Meso	-.667	3.079	.975
	Makro	Mega	28.667*	3.079	.000
		Meso	28.000*	3.079	.000
	Meso	Mega	.667	3.079	.975
		Makro	-28.000*	3.079	.000
LSD	Mega	Makro	-28.667*	3.079	.000
		Meso	-.667	3.079	.836
	Makro	Mega	28.667*	3.079	.000
		Meso	28.000*	3.079	.000
	Meso	Mega	.667	3.079	.836
		Makro	-28.000*	3.079	.000

Multiple Comparisons

Dependent Variable:Jumlah

	(I) Ukuran	(J) Ukuran	Mean Difference (I-J)	Std. Error	Sig.
Tukey HSD	Mega	Makro	-28.667*	3.079	.000
		Meso	-.667	3.079	.975
	Makro	Mega	28.667*	3.079	.000
		Meso	28.000*	3.079	.000
	Meso	Mega	.667	3.079	.975
		Makro	-28.000*	3.079	.000
LSD	Mega	Makro	-28.667*	3.079	.000
		Meso	-.667	3.079	.836
	Makro	Mega	28.667*	3.079	.000
		Meso	28.000*	3.079	.000
	Meso	Mega	.667	3.079	.836
		Makro	-28.000*	3.079	.000

*. The mean difference is significant at the 0.05 level

c. Perbedaan ukuran Sampah Laut (Pasang) di Stasiun 2

ANOVA

Jumlah	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	197.556	2	98.778	27.781	.001
Within Groups	21.333	6	3.556		
Total	218.889	8			

Post Hoc Tests

Multiple Comparisons

Dependent Variable:Jumlah

(I) Ukuran	(J) Ukuran	Mean Difference (I-J)	Std. Error	Sig.

Tukey HSD	Mega	Makro	-10.667*	1.540	.001
		Meso	-1.667	1.540	.558
	Makro	Mega	10.667*	1.540	.001
		Meso	9.000*	1.540	.003
	Meso	Mega	1.667	1.540	.558
		Makro	-9.000*	1.540	.003
LSD	Mega	Makro	-10.667*	1.540	.000
		Meso	-1.667	1.540	.321
	Makro	Mega	10.667*	1.540	.000
		Meso	9.000*	1.540	.001
	Meso	Mega	1.667	1.540	.321
		Makro	-9.000*	1.540	.001

*. The mean difference is significant at the 0.05 level.

d. Perbedaan ukuran Sampah Laut (Surut) di Stasiun 2

ANOVA					
Jumlah					
	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	461.556	2	230.778	9.441	.014
Within Groups	146.667	6	24.444		
Total	608.222	8			

Post Hoc Tests

Multiple Comparisons

Dependent Variable:Jumlah

	(I)	(J)	Mean Difference	Std. Error	Sig.
	Ukuran	Ukuran	(I-J)		
Tukey HSD	Mega	Makro	-15.667*	4.037	.019
		Meso	-1.000	4.037	.967
	Makro	Mega	15.667*	4.037	.019
		Meso	14.667*	4.037	.025
	Meso	Mega	1.000	4.037	.967
		Makro	-14.667*	4.037	.025
LSD	Mega	Makro	-15.667*	4.037	.008
		Meso	-1.000	4.037	.813

	Makro	Mega	15.667*	4.037	.008
		Meso	14.667*	4.037	.011
	Meso	Mega	1.000	4.037	.813
		Makro	-14.667*	4.037	.011

e. Perbedaan ukuran Sampah Laut (Pasang) di Stasiun 3

ANOVA

Jumlah	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	329.556	2	164.778	25.569	.001
Within Groups	38.667	6	6.444		
Total	368.222	8			

Post Hoc Tests

Multiple Comparisons

Dependent Variable: Jumlah

	(I) Ukuran	(J) Ukuran	Mean Difference (I-J)	Std. Error	Sig.
Tukey HSD	Mega	Makro	-13.000*	2.073	.002
		Meso	-.333	2.073	.986
	Makro	Mega	13.000*	2.073	.002
		Meso	12.667*	2.073	.002
	Meso	Mega	.333	2.073	.986
		Makro	-12.667*	2.073	.002
LSD	Mega	Makro	-13.000*	2.073	.001
		Meso	-.333	2.073	.878
	Makro	Mega	13.000*	2.073	.001
		Meso	12.667*	2.073	.001
	Meso	Mega	.333	2.073	.878
		Makro	-12.667*	2.073	.001

*. The mean difference is significant at the 0.05 level.

f. Perbedaan ukuran Sampah Laut (Surut) di Stasiun 3

ANOVA

Jumlah	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	1334.889	2	667.444	8.769	.017
Within Groups	456.667	6	76.111		
Total	1791.556	8			

Post Hoc Tests

Multiple Comparisons

Dependent Variable: Jumlah

	(I) Ukuran	(J) Ukuran	Mean Difference (I-J)	Std. Error	Sig.
Tukey HSD	Mega	Makro	-26.000*	7.123	.025
		Meso	-.333	7.123	.999
	Makro	Mega	26.000*	7.123	.025
		Meso	25.667*	7.123	.026
	Meso	Mega	.333	7.123	.999
		Makro	-25.667*	7.123	.026
LSD	Mega	Makro	-26.000*	7.123	.011
		Meso	-.333	7.123	.964
	Makro	Mega	26.000*	7.123	.011
		Meso	25.667*	7.123	.011
	Meso	Mega	.333	7.123	.964
		Makro	-25.667*	7.123	.011

*. The mean difference is significant at the 0.05 level.

g. Perbedaan ukuran sampah laut (pasang) di 3 Stasiun

ANOVA

	Sum of Squares	df	Mean Square	F	Sig.
Mega Between Groups	.000	2	.000		
Within Groups	.000	6	.000		
Total	.000	8			

Makro	Between Groups	61.556	2	30.778	2.037	.211
	Within Groups	90.667	6	15.111		
	Total	152.222	8			
Meso	Between Groups	2.667	2	1.333	6.000	.037
	Within Groups	1.333	6	.222		
	Total	4.000	8			

Post Hoc Tests

Multiple Comparisons

Dependent Variable		(I)	(J)	Mean Difference (I-J)	Std. Error	Sig.
		Stasiun	Stasiun			
Makro	Tukey HSD	ST 1	ST 2	6.33333	3.17397	.194
			ST 3	4.00000	3.17397	.465
		ST 2	ST 1	-6.33333	3.17397	.194
			ST 3	-2.33333	3.17397	.753
		ST 3	ST 1	-4.00000	3.17397	.465
			ST 2	2.33333	3.17397	.753
	LSD	ST 1	ST 2	6.33333	3.17397	.093
			ST 3	4.00000	3.17397	.254
		ST 2	ST 1	-6.33333	3.17397	.093
			ST 3	-2.33333	3.17397	.490
		ST 3	ST 1	-4.00000	3.17397	.254
			ST 2	2.33333	3.17397	.490
Meso	Tukey HSD	ST 1	ST 2	-.66667	.38490	.269
			ST 3	.66667	.38490	.269
		ST 2	ST 1	.66667	.38490	.269
			ST 3	1.33333 [*]	.38490	.031
		ST 3	ST 1	-.66667	.38490	.269
			ST 2	-1.33333 [*]	.38490	.031
	LSD	ST 1	ST 2	-.66667	.38490	.134
			ST 3	.66667	.38490	.134
		ST 2	ST 1	.66667	.38490	.134
			ST 3	1.33333 [*]	.38490	.013
		ST 3	ST 1	-.66667	.38490	.134

ST 2	-1.33333 ¹	.38490	.013
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*. The mean difference is significant at the 0.05 level.

h. Perbedaan ukuran sampah laut (Surut) di 3 Stasiun

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
Mega	Between Groups	.000	2	.000		
	Within Groups	.000	6	.000		
	Total	.000	8			
Makro	Between Groups	282.889	2	141.444	1.242	.354
	Within Groups	683.333	6	113.889		
	Total	966.222	8			
Meso	Between Groups	2.889	2	1.444	2.600	.154
	Within Groups	3.333	6	.556		
	Total	6.222	8			

Post Hoc Tests

Multiple Comparisons

Dependent Variable		(I)	(J)	Mean Difference	Std. Error	Sig.
		Stasiun	Stasiun	(I-J)		
Makro	Tukey HSD	ST 1	ST 2	13.00000	8.71355	.359
			ST 3	2.66667	8.71355	.950
		ST 2	ST 1	-13.00000	8.71355	.359
			ST 3	-10.33333	8.71355	.503
		ST 3	ST 1	-2.66667	8.71355	.950
	ST 2		10.33333	8.71355	.503	
	LSD	ST 1	ST 2	13.00000	8.71355	.186
			ST 3	2.66667	8.71355	.770
		ST 2	ST 1	-13.00000	8.71355	.186
			ST 3	-10.33333	8.71355	.280
ST 3		ST 1	-2.66667	8.71355	.770	
	ST 2	10.33333	8.71355	.280		
Meso	Tukey HSD	ST 1	ST 2	1.00000	.60858	.300
			ST 3	1.33333	.60858	.151
		ST 2	ST 1	-1.00000	.60858	.300
			ST 3	.33333	.60858	.851
		ST 3	ST 1	-1.33333	.60858	.151
	ST 2		-.33333	.60858	.851	
	LSD	ST 1	ST 2	1.00000	.60858	.151
			ST 3	1.33333	.60858	.071
		ST 2	ST 1	-1.00000	.60858	.151
			ST 3	.33333	.60858	.604
ST 3		ST 1	-1.33333	.60858	.071	
	ST 2	-.33333	.60858	.604		

2. Uji T Berpasangan

a. Perbedaan ukuran mega di Stasiun 1

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	ST1megaPSG	.0000 ^a	3	.00000	.00000
	ST1megaSRT	.0000 ^a	3	.00000	.00000

The correlation and t cannot be computed because the standard error of the difference is 0.

b. Perbedaan ukuran makro di Stasiun 1

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	ST1makroPSG	17.0000	3	4.00000	2.30940
	ST1makroSRT	28.6667	3	6.42910	3.71184

		N	Correlation	Sig.
Pair 1	ST1makroPSG & ST1makroSRT	3	.156	.901

		Paired Differences		
		Mean	Std. Deviation	Std. Error Mean
Pair 1	ST1makroPSG - ST1makroSRT	-1.16667E1	7.02377	4.05518

		Paired Differences		t	df
		95% Confidence Interval of the Difference			
		Lower	Upper		

Paired Samples Test

		Paired Differences		t	df
		95% Confidence Interval of the Difference			
		Lower	Upper		
Pair 1	ST1makroPSG - ST1makroSRT	-29.11468	5.78134	-2.877	2

Paired Samples Test

		Sig. (2-tailed)
Pair 1	ST1makroPSG - ST1makroSRT	.103

c. Perbedaan ukuran meso di Stasiun 1

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	ST1mesoPSG	.6667	3	.57735	.33333
	ST1mesoSRT	1.3333	3	1.15470	.66667

Paired Samples Correlations

		N	Correlation	Sig.
Pair 1	ST1mesoPSG & ST1mesoSRT	3	-.500	.667

Paired Samples Test

		Paired Differences		
		Mean	Std. Deviation	Std. Error Mean
Pair 1	ST1mesoPSG - ST1mesoSRT	-.66667	1.52753	.88192

Paired Samples Test

		Paired Differences		t	df
		95% Confidence Interval of the Difference			

		Lower	Upper		
Pair 1	ST1mesoPSG - ST1mesoSRT	-4.46125	3.12792	-.756	2

Paired Samples Test

		Sig. (2-tailed)
Pair 1	ST1mesoPSG - ST1mesoSRT	.529

d. Perbedaan ukuran mega di Stasiun 2

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	ST2megaPSG	.0000 ^a	3	.00000	.00000
	ST2megaSRT	.0000 ^a	3	.00000	.00000

a. The correlation and t cannot be computed because the standard error of the difference is 0.

e. Perbedaan ukuran makro di Stasiun 2

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	ST2makroPSG	10.6667	3	3.21455	1.85592
	ST2makroSRT	15.6667	3	8.50490	4.91031

Paired Samples Correlations

		N	Correlation	Sig.
Pair 1	ST2makroPSG & ST2makroSRT	3	.945	.212

Paired Samples Test

		Paired Differences		
		Mean	Std. Deviation	Std. Error Mean

Paired Samples Test

		Paired Differences		
		Mean	Std. Deviation	Std. Error Mean
Pair 1	ST2makroPSG - ST2makroSRT	-5.00000	5.56776	3.21455

Paired Samples Test

		Paired Differences		t	df
		95% Confidence Interval of the Difference			
		Lower	Upper		
Pair 1	ST2makroPSG - ST2makroSRT	-18.83109	8.83109	-1.555	2

Paired Samples Test

		Sig. (2-tailed)
Pair 1	ST2makroPSG - ST2makroSRT	.260

f. Perbedaan ukuran meso di Stasiun 2

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	ST2mesoPSG	1.3333 ^a	3	.57735	.33333
	ST2mesoSRT	.3333 ^a	3	.57735	.33333

a. The correlation and t cannot be computed because the standard error of the difference is 0.

g. Perbedaan ukuran mega di Stasiun 3

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	ST3megaPSG	.0000 ^a	3	.00000	.00000
	ST3megaSRT	.0000 ^a	3	.00000	.00000

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	ST3megaPSG	.0000 ^a	3	.00000	.00000
	ST3megaSRT	.0000 ^a	3	.00000	.00000

a. The correlation and t cannot be computed because the standard error of the difference is 0.

h. Perbedaan ukuran makro di Stasiun 3

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	ST3makroPSG	13.0000	3	4.35890	2.51661
	ST3makroSRT	26.0000	3	15.09967	8.71780

Paired Samples Correlations

		N	Correlation	Sig.
Pair 1	ST3makroPSG & ST3makroSRT	3	.228	.854

Paired Samples Test

		Paired Differences		
		Mean	Std. Deviation	Std. Error Mean
Pair 1	ST3makroPSG - ST3makroSRT	-1.30000E1	14.73092	8.50490

Paired Samples Test

		Paired Differences		t	df
		95% Confidence Interval of the Difference			
		Lower	Upper		
Pair 1	ST3makroPSG - ST3makroSRT	-49.59363	23.59363	-1.529	2

Paired Samples Test

	Sig. (2-tailed)
Pair 1 ST3makroPSG - ST3makroSRT	.266

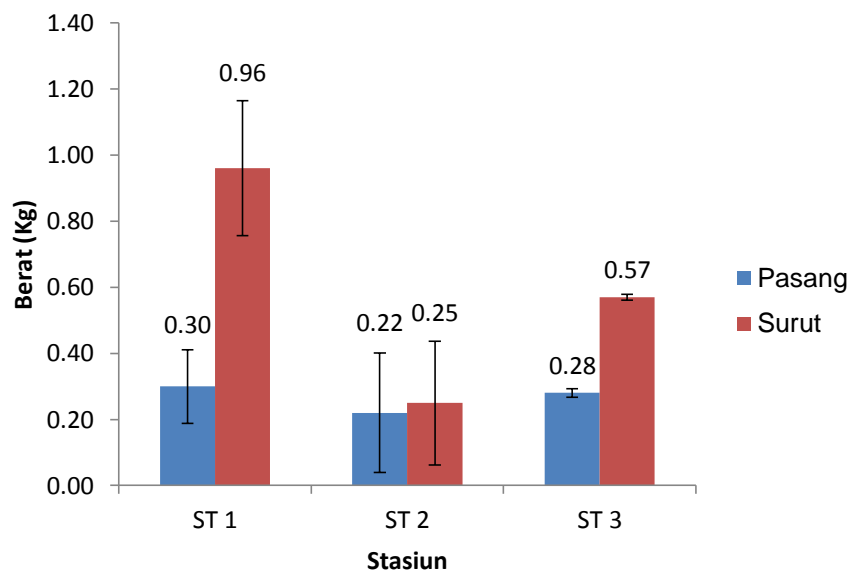
i. Perbedaan ukuran meso di Stasiun 3

Paired Samples Statistics

	Mean	N	Std. Deviation	Std. Error Mean
Pair 1 ST3mesoPSG	.0000 ^a	3	.00000	.00000
ST3mesoSRT	.0000 ^a	3	.00000	.00000

a. The correlation and t cannot be computed because the standard error of the difference is 0.

Lampiran 7. Massa sampah laut



Gambar 10. Diagram Massa sampah laut

Tabel 12. Statistik Massa sampah pada saat pasang dan surut

NO	VARIABEL	ANALISIS DATA	F hitung/t hitung	sig.
1	Massa Pasang 3 Stasiun	ONE WAY ANOVA	0.140	0.872
2	Massa Surut 3 Stasiun	ONE WAY ANOVA	2.201	0.192
3	Massa Stasiun 1	Uji T berpasangan	1.945	0.191
4	Massa Stasiun 2	Uji T berpasangan	0.160	0.888
5	Massa Stasiun 3	Uji T Berpasangan	1.894	0.199

1. Uji Statistik *one Way Anova* massa sampah pada saat pasang

ANOVA					
Massa					
	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	.001	2	.001	.140	.872
Within Groups	.022	6	.004		
Total	.023	8			

Post Hoc Tests

Multiple Comparisons

Dependent Variable: Massa

	(I) Stasiun	(J) Stasiun	Mean Difference (I-J)	Std. Error	Sig.
Tukey HSD	ST 1	ST 2	.02500	.04940	.871
		ST 3	.00600	.04940	.992
	ST 2	ST 1	-.02500	.04940	.871
		ST 3	-.01900	.04940	.923
	ST 3	ST 1	-.00600	.04940	.992
		ST 2	.01900	.04940	.923
LSD	ST 1	ST 2	.02500	.04940	.631
		ST 3	.00600	.04940	.907
	ST 2	ST 1	-.02500	.04940	.631
		ST 3	-.01900	.04940	.714
	ST 3	ST 1	-.00600	.04940	.907
		ST 2	.01900	.04940	.714

Homogeneous Subsets

Massa			
			Subset for alpha = 0.05
Stasiun		N	1
Tukey HSD ^a	ST 2	3	.0717
	ST 3	3	.0907
	ST 1	3	.0967
	Sig.		.871

2. Uji Statistik *one Way Anova* massa sampah pada saat Surut

ANOVA					
Massa					
	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	.084	2	.042	2.201	.192
Within Groups	.115	6	.019		
Total	.199	8			

Post Hoc Tests

Multiple Comparisons

Dependent Variable: Massa

	(I) Stasiun	(J) Stasiun	Mean Difference (I-J)	Std. Error	Sig.
Tukey HSD	ST 1	ST 2	.23633	.11283	.171
		ST 3	.13000	.11283	.520
	ST 2	ST 1	-.23633	.11283	.171
		ST 3	-.10633	.11283	.636
	ST 3	ST 1	-.13000	.11283	.520
		ST 2	.10633	.11283	.636
LSD	ST 1	ST 2	.23633	.11283	.081
		ST 3	.13000	.11283	.293
	ST 2	ST 1	-.23633	.11283	.081
		ST 3	-.10633	.11283	.382
	ST 3	ST 1	-.13000	.11283	.293

Multiple Comparisons

Dependent Variable: Massa

	(I) Stasiun	(J) Stasiun	Mean Difference (I-J)	Std. Error	Sig.
Tukey HSD	ST 1	ST 2	.23633	.11283	.171
		ST 3	.13000	.11283	.520
	ST 2	ST 1	-.23633	.11283	.171
		ST 3	-.10633	.11283	.636
	ST 3	ST 1	-.13000	.11283	.520
		ST 2	.10633	.11283	.636
LSD	ST 1	ST 2	.23633	.11283	.081
		ST 3	.13000	.11283	.293
	ST 2	ST 1	-.23633	.11283	.081
		ST 3	-.10633	.11283	.382
	ST 3	ST 1	-.13000	.11283	.293
		ST 2	.10633	.11283	.382

Homogeneous Subsets

Massa

		N	Subset for alpha = 0.05
	Stasiun		1
Tukey HSD ^a	ST 2	3	.0837
	ST 3	3	.1900
	ST 1	3	.3200
	Sig.		.171

Lampiran 8. Dokumentasi Penelitian



Lampiran 9. Jenis- jenis sampah Laut (*Marine Debris*) yang ditemukan di lokasi penelitian Pantai Ujung Suso Kabupaten Luwu Timur : a). Busa plastik Gabus, b). plastik wadah makanan, c). plastik wadah minuman, d). Kaca botol, e). plastik wadah makanan, f). Busa plastik gabus, g). Tutup botol plastik, h). Bahan lainnya, i). Plastik sedotan, j). plastik bahan lainnya, k). Karet sandal, l). Kantong plastik buram, m). Tali pita plastik, n). Botol plastik >2L, o). Pecahan kaca, p). Plastik korek rokok, q). Logam tutup botol, r). plastik wadah minuman, s). Plastik buram, t). kain pakaian, u). plastik terpal, v). plastik wadah makanan, w). jaring ikan, x). Logam kaleng aluminium.

