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LAMPIRAN

Lampiran 1. Data Faktor Lingkungan

STASIUN	SALINITAS	SUHU	INTENSITAS CAHAYA	KEKERUHAN
ST 1 (UFR)	30,00	29,00	2221,0	0,00
ST1 (LFR)	29,67	28,66	1726,0	0,00
ST 2 (UFR)	32,33	30,00	2236,5	0,69
ST 2 (LFR)	30,67	28,72	1732,0	0,64
ST 3 (UFR)	32,67	30,00	3706,5	0,54
ST 3 (LFR)	32,00	29,00	2953,0	0,45
ST 4 (UFR)	29,33	31,00	1687,0	1,13
ST 4 (LFR)	29,67	31,00	943,0	0,65

Lampiran 2. Hasil analisis Ragam (ANOVA) Zona *upper fore reef*

Descriptives

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
Kepadatan	Stasiun 1	4	.0025	.00500	.00250	-.0055	.0105	.00	.01
	Stasiun 2	4	.0750	.14341	.07171	-.1532	.3032	.00	.29
	Stasiun 3	4	.1925	.19517	.09759	-.1181	.5031	.05	.48
	Stasiun 4	4	.1425	.01258	.00629	.1225	.1625	.13	.16
	Total	16	.1031	.13124	.03281	.0332	.1731	.00	.48
Jumlah_Jenis	Stasiun 1	4	.2500	.50000	.25000	-.5456	1.0456	.00	1.00
	Stasiun 2	4	2.2500	3.86221	1.93111	-3.8956	8.3956	.00	8.00
	Stasiun 3	4	4.7500	4.19325	2.09662	-1.9224	11.4224	2.00	11.00
	Stasiun 4	4	4.2500	.95743	.47871	2.7265	5.7735	3.00	5.00
	Total	16	2.8750	3.18067	.79517	1.1801	4.5699	.00	11.00

Test of Homogeneity of Variances

	Levene Statistic	df1	df2	Sig.
Kepadatan	5.049	3	12	.017
Jumlah_Jenis	3.710	3	12	.043

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
Kepadatan	Between Groups	.082	3	.027	1.854	.191
	Within Groups	.177	12	.015		
	Total	.258	15			
Jumlah_Jenis	Between Groups	50.750	3	16.917	2.010	.166
	Within Groups	101.000	12	8.417		
	Total	151.750	15			

Multiple Comparisons

Tukey HSD

Dependent Variable	(I) Stasiun	(J) Stasiun	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
Kepadatan	Stasiun 1	Stasiun 2	-.07250	.08576	.832	-.3271	.1821
		Stasiun 3	-.19000	.08576	.174	-.4446	.0646
		Stasiun 4	-.14000	.08576	.398	-.3946	.1146
	Stasiun 2	Stasiun 1	.07250	.08576	.832	-.1821	.3271
		Stasiun 3	-.11750	.08576	.540	-.3721	.1371
		Stasiun 4	-.06750	.08576	.859	-.3221	.1871
	Stasiun 3	Stasiun 1	.19000	.08576	.174	-.0646	.4446
		Stasiun 2	.11750	.08576	.540	-.1371	.3721
		Stasiun 4	.05000	.08576	.935	-.2046	.3046
	Stasiun 4	Stasiun 1	.14000	.08576	.398	-.1146	.3946
		Stasiun 2	.06750	.08576	.859	-.1871	.3221
		Stasiun 3	-.05000	.08576	.935	-.3046	.2046
Jumlah_Jenis	Stasiun 1	Stasiun 2	-2.00000	2.05142	.766	-8.0905	4.0905
		Stasiun 3	-4.50000	2.05142	.180	-10.5905	1.5905
		Stasiun 4	-4.00000	2.05142	.259	-10.0905	2.0905

Lampiran 2. (lanjutan) Hasil analisis Ragam (ANOVA) Zona *upper fore reef*

Stasiun 2	Stasiun 1	2.00000	2.05142	.766	-4.0905	8.0905
	Stasiun 3	-2.50000	2.05142	.627	-8.5905	3.5905
	Stasiun 4	-2.00000	2.05142	.766	-8.0905	4.0905
Stasiun 3	Stasiun 1	4.50000	2.05142	.180	-1.5905	10.5905
	Stasiun 2	2.50000	2.05142	.627	-3.5905	8.5905
	Stasiun 4	.50000	2.05142	.995	-5.5905	6.5905
Stasiun 4	Stasiun 1	4.00000	2.05142	.259	-2.0905	10.0905
	Stasiun 2	2.00000	2.05142	.766	-4.0905	8.0905
	Stasiun 3	-.50000	2.05142	.995	-6.5905	5.5905

Kepadatan

Tukey HSD^a

Stasiun	N	Subset for alpha = 0.05
		1
Stasiun 1	4	.0025
Stasiun 2	4	.0750
Stasiun 4	4	.1425
Stasiun 3	4	.1925
Sig.		.174

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 4.000.

Jumlah_Jenis

Tukey HSD^a

Stasiun	N	Subset for alpha = 0.05
		1
Stasiun 1	4	.2500
Stasiun 2	4	2.2500
Stasiun 4	4	4.2500
Stasiun 3	4	4.7500
Sig.		.180

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 4.000.

Lampiran 3. Hasil Analisis Ragam (ANOVA) Zona *lower fore reef*

Descriptives

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
Kepadatan	Stasiun 1	4	.0225	.02630	.01315	-.0193	.0643	.00	.05
	Stasiun 2	4	.0475	.06602	.03301	-.0575	.1525	.00	.14
	Stasiun 3	4	.1900	.02160	.01080	.1556	.2244	.16	.21
	Stasiun 4	4	.0525	.01893	.00946	.0224	.0826	.04	.08
	Total	16	.0781	.07591	.01898	.0377	.1186	.00	.21
Jumlah_Jenis	Stasiun 1	4	1.2500	1.50000	.75000	-1.1368	3.6368	.00	3.00
	Stasiun 2	4	2.0000	2.44949	1.22474	-1.8977	5.8977	.00	5.00
	Stasiun 3	4	3.5000	1.73205	.86603	.7439	6.2561	2.00	6.00
	Stasiun 4	4	2.0000	.81650	.40825	.7008	3.2992	1.00	3.00
	Total	16	2.1875	1.75950	.43987	1.2499	3.1251	.00	6.00

Test of Homogeneity of Variances

	Levene Statistic	df1	df2	Sig.
Kepadatan	2.403	3	12	.118
Jumlah_Jenis	2.880	3	12	.080

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
Kepadatan	Between Groups	.069	3	.023	15.618	.000
	Within Groups	.018	12	.001		
	Total	.086	15			
Jumlah_Jenis	Between Groups	10.688	3	3.563	1.196	.353
	Within Groups	35.750	12	2.979		
	Total	46.438	15			

Multiple Comparisons

Tukey HSD

Dependent Variable	(I) Stasiun	(J) Stasiun	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
Kepadatan	Stasiun 1	Stasiun 2	-.02500	.02710	.794	-.1055	.0555
		Stasiun 3	-.16750*	.02710	.000	-.2480	-.0870
		Stasiun 4	-.03000	.02710	.692	-.1105	.0505
	Stasiun 2	Stasiun 1	.02500	.02710	.794	-.0555	.1055
		Stasiun 3	-.14250*	.02710	.001	-.2230	-.0620
		Stasiun 4	-.00500	.02710	.998	-.0855	.0755
Stasiun 3	Stasiun 1	.16750*	.02710	.000	.0870	.2480	
	Stasiun 2	.14250*	.02710	.001	.0620	.2230	

Lampiran 3. (lanjutan) Hasil Analisis Ragam (ANOVA) Zona *lower fore reef*

		Stasiun 4	.13750*	.02710	.001	.0570	.2180
	Stasiun 4	Stasiun 1	.03000	.02710	.692	-.0505	.1105
		Stasiun 2	.00500	.02710	.998	-.0755	.0855
		Stasiun 3	-.13750*	.02710	.001	-.2180	-.0570
Jumlah_Jenis	Stasiun 1	Stasiun 2	-.75000	1.22048	.925	-4.3735	2.8735
		Stasiun 3	-2.25000	1.22048	.301	-5.8735	1.3735
		Stasiun 4	-.75000	1.22048	.925	-4.3735	2.8735
	Stasiun 2	Stasiun 1	.75000	1.22048	.925	-2.8735	4.3735
		Stasiun 3	-1.50000	1.22048	.621	-5.1235	2.1235
		Stasiun 4	.00000	1.22048	1.000	-3.6235	3.6235
	Stasiun 3	Stasiun 1	2.25000	1.22048	.301	-1.3735	5.8735
		Stasiun 2	1.50000	1.22048	.621	-2.1235	5.1235
		Stasiun 4	1.50000	1.22048	.621	-2.1235	5.1235
	Stasiun 4	Stasiun 1	.75000	1.22048	.925	-2.8735	4.3735
		Stasiun 2	.00000	1.22048	1.000	-3.6235	3.6235
		Stasiun 3	-1.50000	1.22048	.621	-5.1235	2.1235

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

Kepadatan

Tukey HSD^a

Stasiun	N	Subset for alpha = 0.05	
		1	2
Stasiun 1	4	.0225	
Stasiun 2	4	.0475	
Stasiun 4	4	.0525	
Stasiun 3	4		.1900
Sig.		.692	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 4.000.

Jumlah_Jenis

Tukey HSD^a

Stasiun	N	Subset for alpha = 0.05
		1
Stasiun 1	4	1.2500
Stasiun 2	4	2.0000
Stasiun 4	4	2.0000
Stasiun 3	4	3.5000
Sig.		.301

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 4.000.

Lampiran 4. Hasil analisis Perbandingan Densitas (*t – student*)

Group Statistics

	Kedalaman	N	Mean	Std. Deviation	Std. Error Mean
Stasiun_1	Upper Fore Reef	4	.0025	.00500	.00250
	Lower Fore Reef	4	.0225	.02630	.01315
Stasiun_2	Upper Fore Reef	4	.0750	.14341	.07171
	Lower Fore Reef	4	.0475	.06602	.03301
Stasiun_3	Upper Fore Reef	4	.1925	.19517	.09759
	Lower Fore Reef	4	.1900	.02160	.01080
Stasiun_4	Upper Fore Reef	4	.1425	.01258	.00629
	Lower Fore Reef	4	.0525	.01893	.00946

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
									Lower	Upper
Stasiun_1	Equal variances assumed	61.364	.000	-1.494	6	.186	-.02000	.01339	-.05275	.01275
	Equal variances not assumed			-1.494	3.217	.226	-.02000	.01339	-.06102	.02102
Stasiun_2	Equal variances assumed	2.213	.187	.348	6	.739	.02750	.07894	-.16565	.22065
	Equal variances not assumed			.348	4.217	.744	.02750	.07894	-.18729	.24229
Stasiun_3	Equal variances assumed	6.193	.047	.025	6	.981	.00250	.09818	-.23774	.24274
	Equal variances not assumed			.025	3.073	.981	.00250	.09818	-.30577	.31077
Stasiun_4	Equal variances assumed	.615	.463	7.919	6	.000	.09000	.01137	.06219	.11781
	Equal variances not assumed			7.919	5.218	.000	.09000	.01137	.06115	.11885

Lampiran 5. Hasil Analisis Perbandingan Jumlah Jenis (*t-student*)

Group Statistics

	Kedalaman	N	Mean	Std. Deviation	Std. Error Mean
Stasiun_1	Upper Fore Reef	4	.25	.500	.250
	Lower Fore Reef	4	1.25	1.500	.750
Stasiun_2	Upper Fore Reef	4	2.25	3.862	1.931
	Lower Fore Reef	4	2.00	2.449	1.225
Stasiun_3	Upper Fore Reef	4	4.75	4.193	2.097
	Lower Fore Reef	4	3.50	1.732	.866
Stasiun_4	Upper Fore Reef	4	4.25	.957	.479
	Lower Fore Reef	4	2.00	.816	.408

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
									Lower	Upper
Stasiun_1	Equal variances assumed	13.364	.011	-1.265	6	.253	-1.000	.791	-2.934	.934
	Equal variances not assumed			-1.265	3.659	.280	-1.000	.791	-3.278	1.278
Stasiun_2	Equal variances assumed	.671	.444	.109	6	.917	.250	2.287	-5.345	5.845
	Equal variances not assumed			.109	5.077	.917	.250	2.287	-5.601	6.101
Stasiun_3	Equal variances assumed	2.567	.160	.551	6	.602	1.250	2.268	-4.301	6.801
	Equal variances not assumed			.551	3.995	.611	1.250	2.268	-5.051	7.551
Stasiun_4	Equal variances assumed	.500	.506	3.576	6	.012	2.250	.629	.711	3.789
	Equal variances not assumed			3.576	5.854	.012	2.250	.629	.701	3.799

Lampiran 6. Titik Koordinat Stasiun Penelitian

Stasiun	Titik Koordinat	
	S	E
1	-5.0418157	119.3291026
2	-5.0486232	119.3228947
3	-5.0539444	119.3211764
4	-5.0548014	119.3302191