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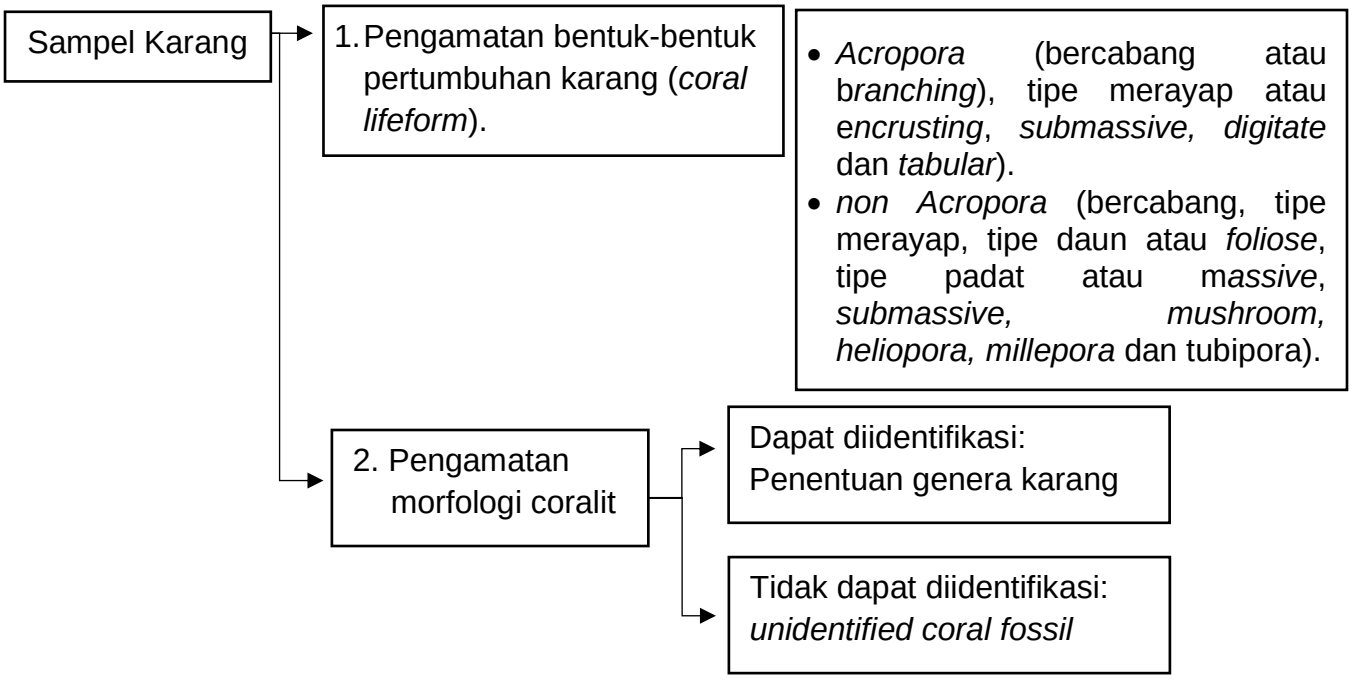
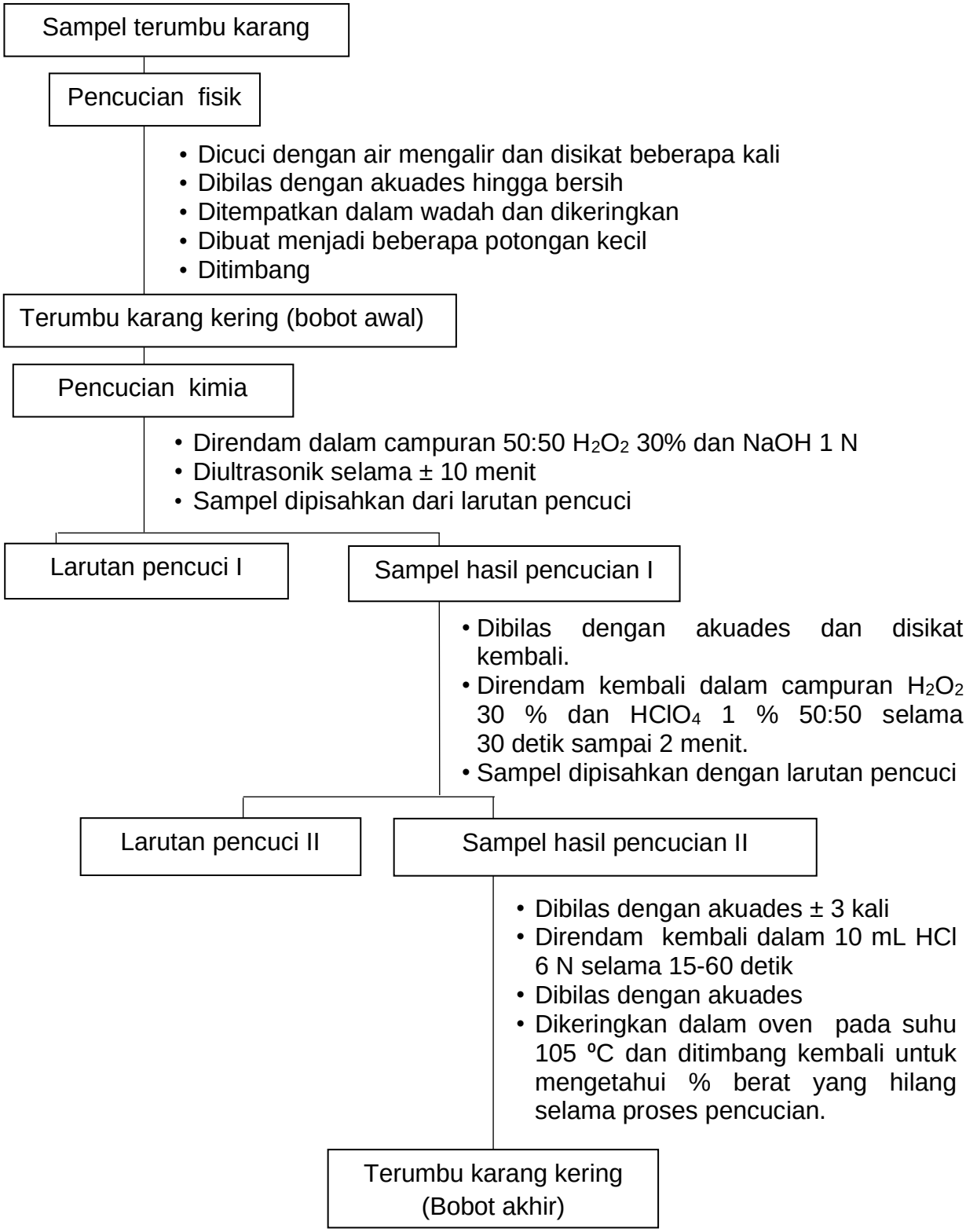
LAMPIRAN 1. PROSEDUR KERJA

Identifikasi Fosil Karang

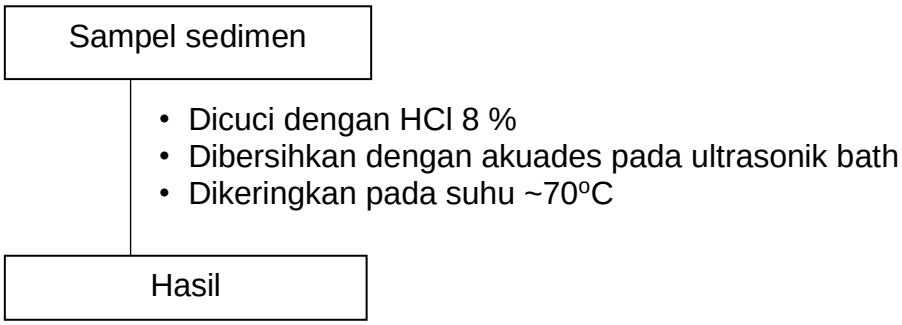


Bagan Kerja Pencucian Sampel

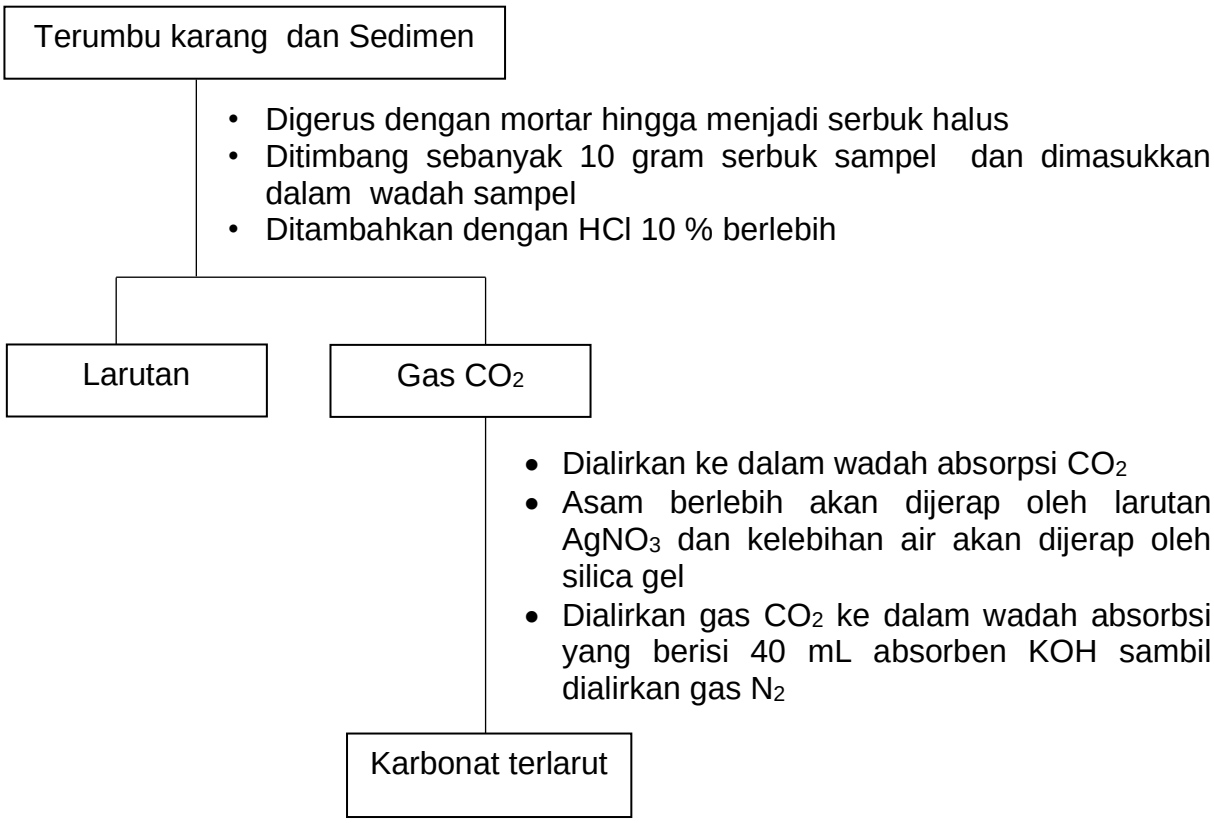
a. Terumbu Karang



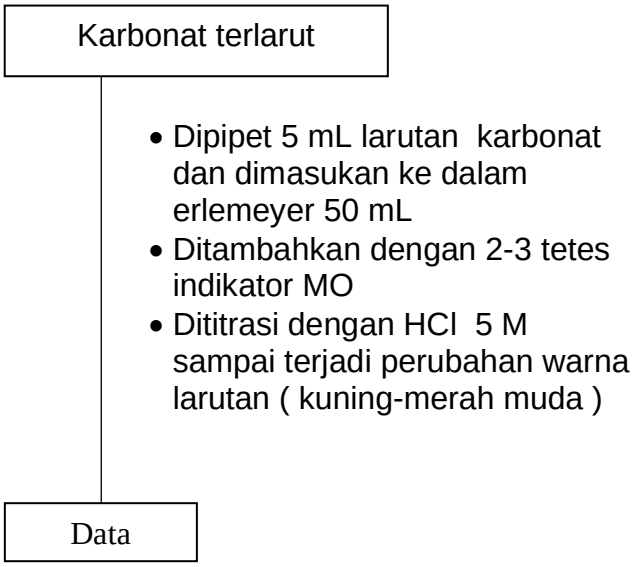
b. Sedimen


Sampel sedimen
• Dicuci dengan HCl 8 %
• Dibersihkan dengan akuades pada ultrasonik bath
• Dikeringkan pada suhu ~70^{o}C
Hasil

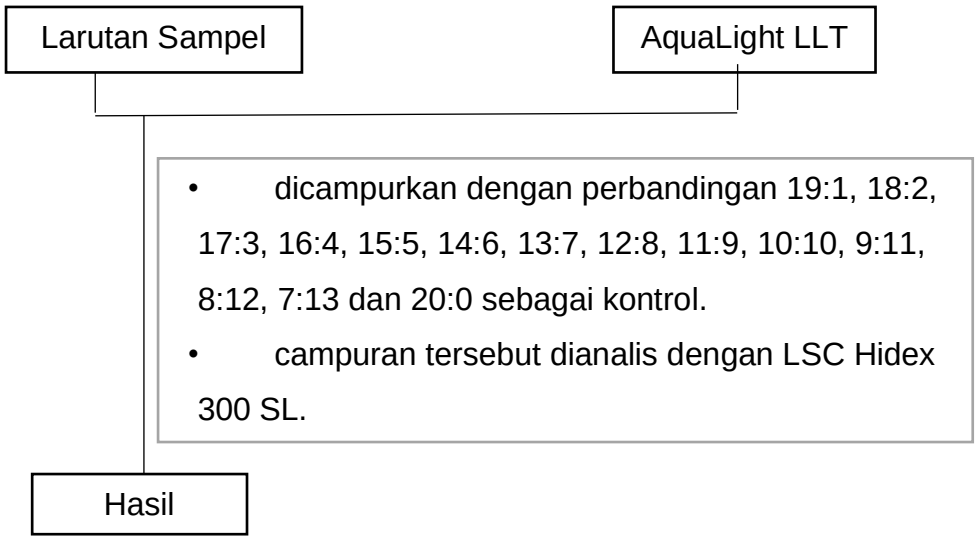
Bagan Kerja Proses Absorbsi CO_2



Bagan Kerja Penentuan Total Karbon

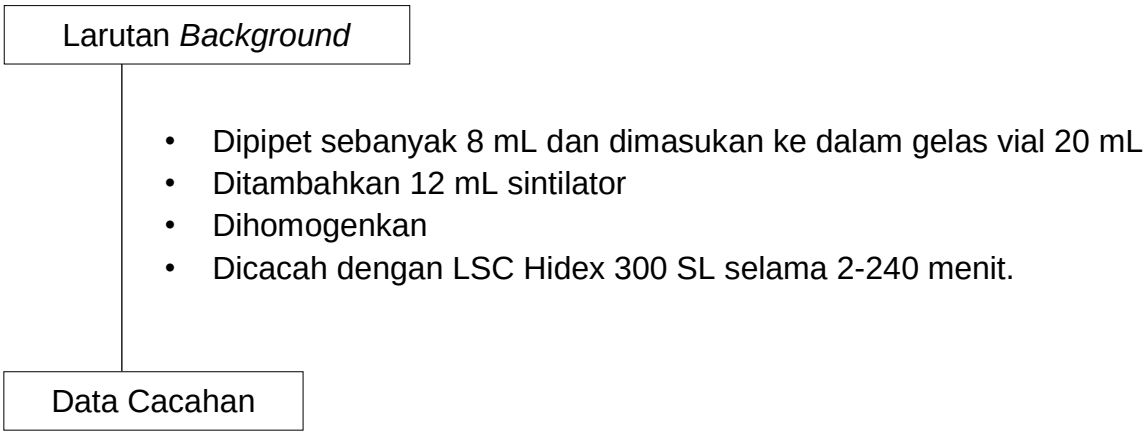


Optimalisasi Perbandingan Sampel dan Koktail AquaLight LLT

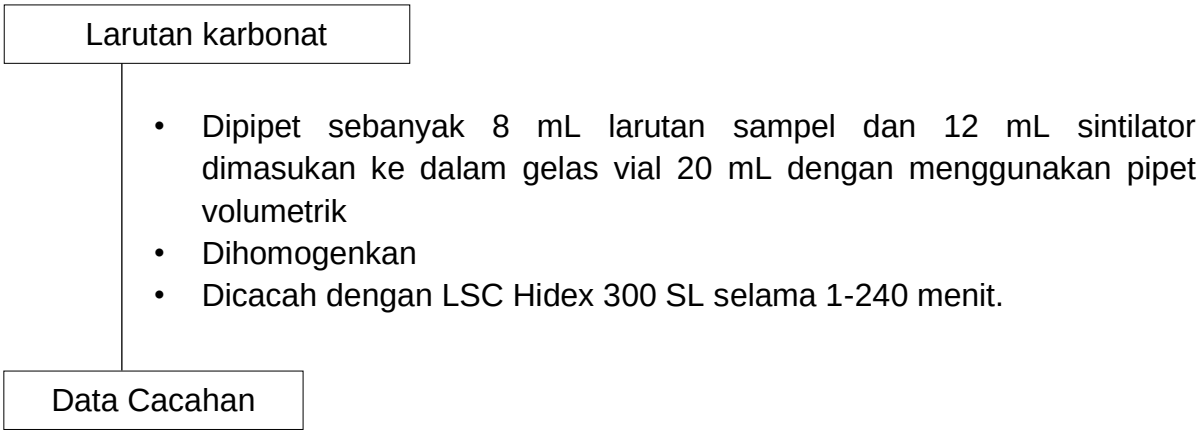


Bagan Kerja Pencacahan Sampel dan *Background* menggunakan LSC Hidex 300 SL

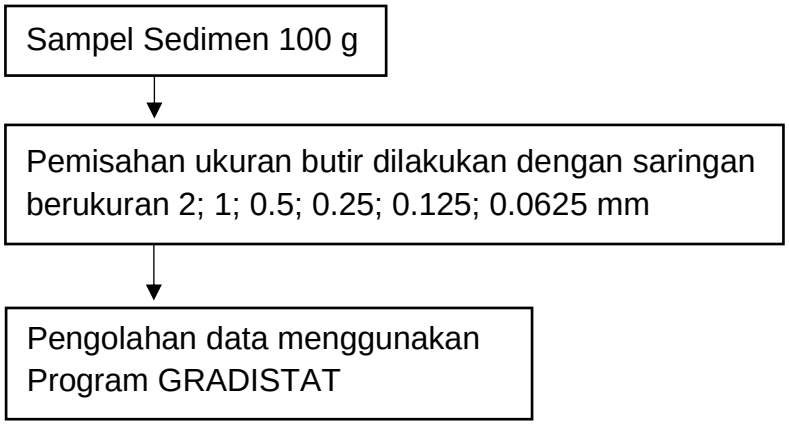
a. Pencacahan Latar (*Background*)



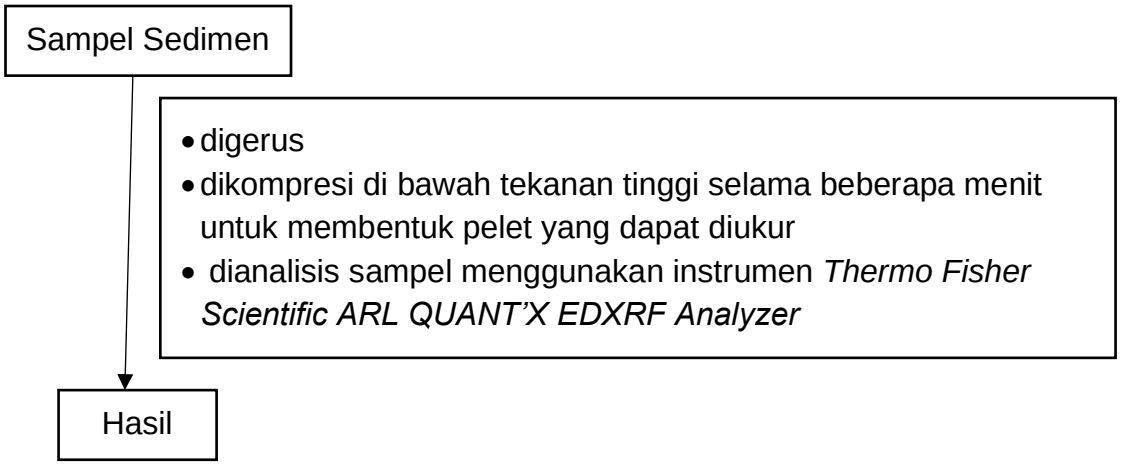
b. Pencacahan Sampel



Analisis Tekstur Sedimen



Analisis Kandungan Kimia Sedimen dengan XRF



LAMPIRAN 12 HASIL ANALISIS STATISTIK (UNIVARIATE TEST) AKTIVITAS SPESIFIK ^{14}CSAMPEL KARANG

Univariate Analysis of Variance

Between-Subjects Factors

		N
Zona	1.00	24
	2.00	12
	3.00	24
	4.00	6
Kedalaman	1.00	6
	2.00	12
	3.00	6
	4.00	6
	5.00	3
	6.00	3
	7.00	3
	8.00	6
	9.00	9
	10.00	6
	11.00	3
	12.00	3

Descriptive Statistics

Dependent Variable: Aktivitas Spesifik ^{14}C

Zona	Kedalaman	Mean	Std. Deviation	N
1.00	1.00	14.660667	.2984779	6
	2.00	9.377833	.3117545	12
	3.00	8.295000	.2989943	6
	Total	10.427833	2.5536561	24
2.00	4.00	11.767000	.2989943	6
	5.00	10.609667	.3337085	3
	6.00	10.621000	.3533384	3
	Total	11.191167	.6673290	12
3.00	7.00	10.609667	.3337085	3
	8.00	10.007000	.3192128	6
	9.00	9.999000	.3148750	9
	10.00	8.218000	.3734102	6
	Total	9.632083	.9122923	24
4.00	11.00	9.452000	.3342858	3
	12.00	8.782333	.3539157	3
	Total	9.117167	.4788918	6
Total	1.00	14.660667	.2984779	6
	2.00	9.377833	.3117545	12
	3.00	8.295000	.2989943	6
	4.00	11.767000	.2989943	6
	5.00	10.609667	.3337085	3
	6.00	10.621000	.3533384	3

Zona	Kedalaman	Mean	Std. Deviation	N
	7.00	10.609667	.3337085	3
	8.00	10.007000	.3192128	6
	9.00	9.999000	.3148750	9
	10.00	8.218000	.3734102	6
	11.00	9.452000	.3342858	3
	12.00	8.782333	.3539157	3
	Total	10.158106	1.7666531	66

Levene's Test of Equality of Error Variances[a,b]

		Levene Statistic	df1	df2	Sig.
Aktivitas Spesifik ^{14}C	Based on Mean	.032	11	54	1.000
	Based on Median	.042	11	54	1.000
	Based on Median and with adjusted df	.042	11	50.713	1.000
	Based on trimmed mean	.031	11	54	1.000

Tests the null hypothesis that the error variance of the dependent variable is equal across groups.

a. Dependent variable: Aktivitas Spesifik ^{14}C

b. Design: Intercept + Zone + Depth + Zone * Depth

Tests of Between-Subjects Effects

Dependent Variable: Aktivitas Spesifik ^{14}C

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	197.292[a]	11	17.936	173.648	<.001
Intercept	5126.351	1	5126.351	49632.090	<.001
Zone	.000	0	.	.	.
Depth	169.597	8	21.200	205.249	<.001
Zone * Depth	.000	0	.	.	.
Error	5.577	54	.103		
Total	7013.219	66			
Corrected Total	202.869	65			

a. R Squared = .973 (Adjusted R Squared = .967)

Post Hoc Tests

Zona

Multiple Comparisons

Dependent Variable: Aktivitas Spesifik ^{14}C

Tukey HSD

(I) Zona	(J) Zona	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
1.00	2.00	-.763333*	.1136260	<.001	-1.064542	-.462125
	3.00	.795750*	.0927753	<.001	.549814	1.041686
	4.00	1.310667*	.1466906	<.001	.921808	1.699525
2.00	1.00	.763333*	.1136260	<.001	.462125	1.064542
	3.00	1.559083*	.1136260	<.001	1.257875	1.860292
	4.00	2.074000*	.1606915	<.001	1.648027	2.499973
3.00	1.00	-.795750*	.0927753	<.001	-1.041686	-.549814
	2.00	-1.559083*	.1136260	<.001	-1.860292	-1.257875
	4.00	.514917*	.1466906	.005	.126058	.903775
4.00	1.00	-1.310667*	.1466906	<.001	-1.699525	-.921808
	2.00	-2.074000*	.1606915	<.001	-2.499973	-1.648027
	3.00	-.514917*	.1466906	.005	-.903775	-.126058

Based on observed means.

The error term is Mean Square(Error) = .103.

*. The mean difference is significant at the .05 level.

Homogeneous Subsets

Aktivitas Spesifik ^{14}C

Tukey HSD[a,b,c]

Zona	N	Subset 1	2	3	4
4.00	6	9.117167			
3.00	24		9.632083		
1.00	24			10.427833	
2.00	12				11.191167
Sig.		1.000	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = .103.

a. Uses Harmonic Mean Sample Size = 12.000.

b. The group sizes are unequal. The harmonic mean of the group sizes is used. Type I error levels are not guaranteed.

c. Alpha = .05.

Kedalaman

Multiple Comparisons

Dependent Variable: Aktivitas Spesifik ^{14}C

Tukey HSD

(I) Kedalaman	(J) Kedalaman	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval Lower Bound	95% Confidence Interval Upper Bound
1.00	2.00	5.282833*	.1606915	<.001	4.734069	5.831598

(I) Kedalaman	(J) Kedalaman	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
	3.00	6.365667*	.1855505	<.001	5.732008	6.999326
	4.00	2.893667*	.1855505	<.001	2.260008	3.527326
	5.00	4.051000*	.2272521	<.001	3.274929	4.827071
	6.00	4.039667*	.2272521	<.001	3.263596	4.815737
	7.00	4.051000*	.2272521	<.001	3.274929	4.827071
	8.00	4.653667*	.1855505	<.001	4.020008	5.287326
	9.00	4.661667*	.1693837	<.001	4.083218	5.240116
	10.00	6.442667*	.1855505	<.001	5.809008	7.076326
	11.00	5.208667*	.2272521	<.001	4.432596	5.984737
	12.00	5.878333*	.2272521	<.001	5.102263	6.654404
2.00	1.00	-5.282833*	.1606915	<.001	-5.831598	-4.734069
	3.00	1.082833*	.1606915	<.001	.534069	1.631598
	4.00	-2.389167*	.1606915	<.001	-2.937931	-1.840402
	5.00	-1.231833*	.2074518	<.001	-1.940286	-.523381
	6.00	-1.243167*	.2074518	<.001	-1.951619	-.534714
	7.00	-1.231833*	.2074518	<.001	-1.940286	-.523381
	8.00	-.629167*	.1606915	.012	-1.177931	-.080402
	9.00	-.621167*	.1417166	.003	-1.105132	-.137202
	10.00	1.159833*	.1606915	<.001	.611069	1.708598
	11.00	-.074167	.2074518	1.000	-.782619	.634286
	12.00	.595500	.2074518	.181	-.112952	1.303952
3.00	1.00	-6.365667*	.1855505	<.001	-6.999326	-5.732008
	2.00	-1.082833*	.1606915	<.001	-1.631598	-.534069

(I) Kedalaman	(J) Kedalaman	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
	4.00	-3.472000*	.1855505	<.001	-4.105659	-2.838341
	5.00	-2.314667*	.2272521	<.001	-3.090737	-1.538596
	6.00	-2.326000*	.2272521	<.001	-3.102071	-1.549929
	7.00	-2.314667*	.2272521	<.001	-3.090737	-1.538596
	8.00	-1.712000*	.1855505	<.001	-2.345659	-1.078341
	9.00	-1.704000*	.1693837	<.001	-2.282449	-1.125551
	10.00	.077000	.1855505	1.000	-.556659	.710659
	11.00	-1.157000*	.2272521	<.001	-1.933071	-.380929
	12.00	-.487333	.2272521	.595	-1.263404	.288737
4.00	1.00	-2.893667*	.1855505	<.001	-3.527326	-2.260008
	2.00	2.389167*	.1606915	<.001	1.840402	2.937931
	3.00	3.472000*	.1855505	<.001	2.838341	4.105659
	5.00	1.157333*	.2272521	<.001	.381263	1.933404
	6.00	1.146000*	.2272521	<.001	.369929	1.922071
	7.00	1.157333*	.2272521	<.001	.381263	1.933404
	8.00	1.760000*	.1855505	<.001	1.126341	2.393659
	9.00	1.768000*	.1693837	<.001	1.189551	2.346449
	10.00	3.549000*	.1855505	<.001	2.915341	4.182659
	11.00	2.315000*	.2272521	<.001	1.538929	3.091071
	12.00	2.984667*	.2272521	<.001	2.208596	3.760737
5.00	1.00	-4.051000*	.2272521	<.001	-4.827071	-3.274929
	2.00	1.231833*	.2074518	<.001	.523381	1.940286
	3.00	2.314667*	.2272521	<.001	1.538596	3.090737

(I) Kedalaman	(J) Kedalaman	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
	4.00	-1.157333*	.2272521	<.001	-1.933404	-.381263
	6.00	-.011333	.2624081	1.000	-.907462	.884796
	7.00	.000000	.2624081	1.000	-.896129	.896129
	8.00	.602667	.2272521	.278	-.173404	1.378737
	9.00	.610667	.2142553	.189	-.121020	1.342353
	10.00	2.391667*	.2272521	<.001	1.615596	3.167737
	11.00	1.157667*	.2624081	.003	.261538	2.053796
	12.00	1.827333*	.2624081	<.001	.931204	2.723462
6.00	1.00	-4.039667*	.2272521	<.001	-4.815737	-3.263596
	2.00	1.243167*	.2074518	<.001	.534714	1.951619
	3.00	2.326000*	.2272521	<.001	1.549929	3.102071
	4.00	-1.146000*	.2272521	<.001	-1.922071	-.369929
	5.00	.011333	.2624081	1.000	-.884796	.907462
	7.00	.011333	.2624081	1.000	-.884796	.907462
	8.00	.614000	.2272521	.253	-.162071	1.390071
	9.00	.622000	.2142553	.169	-.109686	1.353686
	10.00	2.403000*	.2272521	<.001	1.626929	3.179071
	11.00	1.169000*	.2624081	.002	.272871	2.065129
	12.00	1.838667*	.2624081	<.001	.942538	2.734796
7.00	1.00	-4.051000*	.2272521	<.001	-4.827071	-3.274929
	2.00	1.231833*	.2074518	<.001	.523381	1.940286
	3.00	2.314667*	.2272521	<.001	1.538596	3.090737
	4.00	-1.157333*	.2272521	<.001	-1.933404	-.381263

(I) Kedalaman	(J) Kedalaman	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
	5.00	.000000	.2624081	1.000	-.896129	.896129
	6.00	-.011333	.2624081	1.000	-.907462	.884796
	8.00	.602667	.2272521	.278	-.173404	1.378737
	9.00	.610667	.2142553	.189	-.121020	1.342353
	10.00	2.391667*	.2272521	<.001	1.615596	3.167737
	11.00	1.157667*	.2624081	.003	.261538	2.053796
	12.00	1.827333*	.2624081	<.001	.931204	2.723462
8.00	1.00	-4.653667*	.1855505	<.001	-5.287326	-4.020008
	2.00	.629167*	.1606915	.012	.080402	1.177931
	3.00	1.712000*	.1855505	<.001	1.078341	2.345659
	4.00	-1.760000*	.1855505	<.001	-2.393659	-1.126341
	5.00	-.602667	.2272521	.278	-1.378737	.173404
	6.00	-.614000	.2272521	.253	-1.390071	.162071
	7.00	-.602667	.2272521	.278	-1.378737	.173404
	9.00	.008000	.1693837	1.000	-.570449	.586449
	10.00	1.789000*	.1855505	<.001	1.155341	2.422659
	11.00	.555000	.2272521	.397	-.221071	1.331071
	12.00	1.224667*	.2272521	<.001	.448596	2.000737
9.00	1.00	-4.661667*	.1693837	<.001	-5.240116	-4.083218
	2.00	.621167*	.1417166	.003	.137202	1.105132
	3.00	1.704000*	.1693837	<.001	1.125551	2.282449
	4.00	-1.768000*	.1693837	<.001	-2.346449	-1.189551
	5.00	-.610667	.2142553	.189	-1.342353	.121020

(I) Kedalaman	(J) Kedalaman	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
	6.00	-.622000	.2142553	.169	-1.353686	.109686
	7.00	-.610667	.2142553	.189	-1.342353	.121020
	8.00	-.008000	.1693837	1.000	-.586449	.570449
	10.00	1.781000*	.1693837	<.001	1.202551	2.359449
	11.00	.547000	.2142553	.331	-.184686	1.278686
	12.00	1.216667*	.2142553	<.001	.484980	1.948353
10.00	1.00	-6.442667*	.1855505	<.001	-7.076326	-5.809008
	2.00	-1.159833*	.1606915	<.001	-1.708598	-.611069
	3.00	-.077000	.1855505	1.000	-.710659	.556659
	4.00	-3.549000*	.1855505	<.001	-4.182659	-2.915341
	5.00	-2.391667*	.2272521	<.001	-3.167737	-1.615596
	6.00	-2.403000*	.2272521	<.001	-3.179071	-1.626929
	7.00	-2.391667*	.2272521	<.001	-3.167737	-1.615596
	8.00	-1.789000*	.1855505	<.001	-2.422659	-1.155341
	9.00	-1.781000*	.1693837	<.001	-2.359449	-1.202551
	11.00	-1.234000*	.2272521	<.001	-2.010071	-.457929
	12.00	-.564333	.2272521	.372	-1.340404	.211737
11.00	1.00	-5.208667*	.2272521	<.001	-5.984737	-4.432596
	2.00	.074167	.2074518	1.000	-.634286	.782619
	3.00	1.157000*	.2272521	<.001	.380929	1.933071
	4.00	-2.315000*	.2272521	<.001	-3.091071	-1.538929
	5.00	-1.157667*	.2624081	.003	-2.053796	-.261538
	6.00	-1.169000*	.2624081	.002	-2.065129	-.272871

(I) Kedalaman	(J) Kedalaman	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
	7.00	-1.157667*	.2624081	.003	-2.053796	-.261538
	8.00	-.555000	.2272521	.397	-1.331071	.221071
	9.00	-.547000	.2142553	.331	-1.278686	.184686
	10.00	1.234000*	.2272521	<.001	.457929	2.010071
	12.00	.669667	.2624081	.332	-.226462	1.565796
12.00	1.00	-5.878333*	.2272521	<.001	-6.654404	-5.102263
	2.00	-.595500	.2074518	.181	-1.303952	.112952
	3.00	.487333	.2272521	.595	-.288737	1.263404
	4.00	-2.984667*	.2272521	<.001	-3.760737	-2.208596
	5.00	-1.827333*	.2624081	<.001	-2.723462	-.931204
	6.00	-1.838667*	.2624081	<.001	-2.734796	-.942538
	7.00	-1.827333*	.2624081	<.001	-2.723462	-.931204
	8.00	-1.224667*	.2272521	<.001	-2.000737	-.448596
	9.00	-1.216667*	.2142553	<.001	-1.948353	-.484980
	10.00	.564333	.2272521	.372	-.211737	1.340404
	11.00	-.669667	.2624081	.332	-1.565796	.226462

Based on observed means.

The error term is Mean Square(Error) = .103.

*. The mean difference is significant at the .05 level.

Homogeneous Subsets

Aktivitas Spesifik ^{14}C

Tukey HSD[a,b,c]

Zona	Pulau	Kedalaman (m)	N	Subset 1	2	3	4	5	6
3	Bonetambung	1.5	6	8.218000					
1	Kayangan	1.5	6	8.295000					
4	Papandangan	1.4	3	8.782333	8.782333				
1	Kayangan	1.35	12		9.377833	9.377833			
4	Langkai	1.3	3		9.452000	9.452000			
3	Kodingareng Lompo	1.25	9			9.999000	9.999000		
3	Kodingareng Lompo	1.2	6			10.007000	10.007000		
2	Panambungan	1	3				10.609667		
3	Kodingareng Lompo	1	3				10.609667		
2	Pajenekang	1	3				10.621000		
2	Panambungan	0.8	6					11.767000	
1	Kayangan	0.2	6						14.660667
		Sig.		.294	.107	.163	.174	1.000	1.000

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = .103.

a. Uses Harmonic Mean Sample Size = 4.454.

b. The group sizes are unequal. The harmonic mean of the group sizes is used. Type I error levels are not guaranteed.

c. Alpha = .05.

USIA SAMPEL KARANG

Between-Subjects Factors

		N
Zona	1.00	24
	2.00	12
	3.00	24
	4.00	6
Kedalaman	1.00	6
	2.00	12
	3.00	6
	4.00	6
	5.00	3
	6.00	3
	7.00	3
	8.00	6
	9.00	9
	10.00	6
	11.00	3
	12.00	3

Descriptive Statistics

Dependent Variable: Usia

Zona	Kedalaman	Mean	Std. Deviation	N
1.00	1.00	354.349333	167.2596916	6
	2.00	4051.549417	272.2349294	12
	3.00	5066.322667	294.7252539	6
	Total	3380.942708	1850.8590600	24
2.00	4.00	2173.100667	208.4289882	6
	5.00	3029.650667	257.7903593	3
	6.00	3021.141000	272.5295343	3
	Total	2599.248250	493.4110792	12
3.00	7.00	3029.650667	257.7903593	3
	8.00	3513.959000	261.2719432	6
	9.00	3520.707333	257.8608648	9
	10.00	5146.106500	374.4894451	6
	Total	3863.987958	819.7135290	24
4.00	11.00	3985.682000	289.5590579	3
	12.00	4594.286667	329.5041909	3
	Total	4289.984333	433.6898385	6
Total	1.00	354.349333	167.2596916	6
	2.00	4051.549417	272.2349294	12
	3.00	5066.322667	294.7252539	6
	4.00	2173.100667	208.4289882	6
	5.00	3029.650667	257.7903593	3

Zona	Kedalaman	Mean	Std. Deviation	N
	6.00	3021.141000	272.5295343	3
	7.00	3029.650667	257.7903593	3
	8.00	3513.959000	261.2719432	6
	9.00	3520.707333	257.8608648	9
	10.00	5146.106500	374.4894451	6
	11.00	3985.682000	289.5590579	3
	12.00	4594.286667	329.5041909	3
	Total	3497.109409	1329.3346081	66

Levene's Test of Equality of Error Variances[a,b]

		Levene Statistic	df1	df2	Sig.
Usia	Based on Mean	.624	11	54	.800
	Based on Median	.181	11	54	.998
	Based on Median and with adjusted df	.181	11	48.357	.998
	Based on trimmed mean	.575	11	54	.840

Tests the null hypothesis that the error variance of the dependent variable is equal across groups.

a. Dependent variable: Usia

b. Design: Intercept + Zone + Depth + Zone * Depth

Tests of Between-Subjects Effects

Dependent Variable: Usia

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	110883177.227[a]	11	10080288.839	136.757	<.001
Intercept	596412968.346	1	596412968.346	8091.415	<.001
Zone	.000	0	.	.	.
Depth	93883147.688	8	11735393.461	159.212	<.001
Zone * Depth	.000	0	.	.	.
Error	3980305.298	54	73709.357		
Total	922028580.989	66			
Corrected Total	114863482.525	65			

a. R Squared = .965 (Adjusted R Squared = .958)

Post Hoc Tests
Kedalaman

Multiple Comparisons
Dependent Variable: Usia
Tukey HSD

(I) Kedalaman	(J) Kedalaman	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
1.00	2.00	-3697.200083*	135.7473364	<.001	-4160.780051	-3233.620116
	3.00	-4711.973333*	156.7475224	<.001	-5247.269371	-4176.677295
	4.00	-1818.751333*	156.7475224	<.001	-2354.047371	-1283.455295
	5.00	-2675.301333*	191.9757242	<.001	-3330.902411	-2019.700256

(I) Kedalaman	(J) Kedalaman	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
	6.00	-2666.791667*	191.9757242	<.001	-3322.392744	-2011.190589
	7.00	-2675.301333*	191.9757242	<.001	-3330.902411	-2019.700256
	8.00	-3159.609667*	156.7475224	<.001	-3694.905705	-2624.313629
	9.00	-3166.358000*	143.0902565	<.001	-3655.014192	-2677.701808
	10.00	-4791.757167*	156.7475224	<.001	-5327.053205	-4256.461129
	11.00	-3631.332667*	191.9757242	<.001	-4286.933744	-2975.731589
	12.00	-4239.937333*	191.9757242	<.001	-4895.538411	-3584.336256
2.00	1.00	3697.200083*	135.7473364	<.001	3233.620116	4160.780051
	3.00	-1014.773250*	135.7473364	<.001	-1478.353218	-551.193282
	4.00	1878.448750*	135.7473364	<.001	1414.868782	2342.028718
	5.00	1021.898750*	175.2490577	<.001	423.419585	1620.377915
	6.00	1030.408417*	175.2490577	<.001	431.929252	1628.887581
	7.00	1021.898750*	175.2490577	<.001	423.419585	1620.377915
	8.00	537.590417*	135.7473364	.011	74.010449	1001.170384
	9.00	530.842083*	119.7178978	.002	122.002981	939.681186
	10.00	-1094.557083*	135.7473364	<.001	-1558.137051	-630.977116
	11.00	65.867417	175.2490577	1.000	-532.611748	664.346581
	12.00	-542.737250	175.2490577	.110	-1141.216415	55.741915
3.00	1.00	4711.973333*	156.7475224	<.001	4176.677295	5247.269371
	2.00	1014.773250*	135.7473364	<.001	551.193282	1478.353218
	4.00	2893.222000*	156.7475224	<.001	2357.925962	3428.518038
	5.00	2036.672000*	191.9757242	<.001	1381.070923	2692.273077
	6.00	2045.181667*	191.9757242	<.001	1389.580589	2700.782744

(I) Kedalaman	(J) Kedalaman	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
	7.00	2036.672000*	191.9757242	<.001	1381.070923	2692.273077
	8.00	1552.363667*	156.7475224	<.001	1017.067629	2087.659705
	9.00	1545.615333*	143.0902565	<.001	1056.959142	2034.271525
	10.00	-79.783833	156.7475224	1.000	-615.079871	455.512205
	11.00	1080.640667*	191.9757242	<.001	425.039589	1736.241744
	12.00	472.036000	191.9757242	.387	-183.565077	1127.637077
4.00	1.00	1818.751333*	156.7475224	<.001	1283.455295	2354.047371
	2.00	-1878.448750*	135.7473364	<.001	-2342.028718	-1414.868782
	3.00	-2893.222000*	156.7475224	<.001	-3428.518038	-2357.925962
	5.00	-856.550000*	191.9757242	.002	-1512.151077	-200.948923
	6.00	-848.040333*	191.9757242	.003	-1503.641411	-192.439256
	7.00	-856.550000*	191.9757242	.002	-1512.151077	-200.948923
	8.00	-1340.858333*	156.7475224	<.001	-1876.154371	-805.562295
	9.00	-1347.606667*	143.0902565	<.001	-1836.262858	-858.950475
	10.00	-2973.005833*	156.7475224	<.001	-3508.301871	-2437.709795
	11.00	-1812.581333*	191.9757242	<.001	-2468.182411	-1156.980256
	12.00	-2421.186000*	191.9757242	<.001	-3076.787077	-1765.584923
5.00	1.00	2675.301333*	191.9757242	<.001	2019.700256	3330.902411
	2.00	-1021.898750*	175.2490577	<.001	-1620.377915	-423.419585
	3.00	-2036.672000*	191.9757242	<.001	-2692.273077	-1381.070923
	4.00	856.550000*	191.9757242	.002	200.948923	1512.151077
	6.00	8.509667	221.6744721	1.000	-748.513250	765.532584
	7.00	.000000	221.6744721	1.000	-757.022917	757.022917

(I) Kedalaman	(J) Kedalaman	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
	8.00	-484.308333	191.9757242	.349	-1139.909411	171.292744
	9.00	-491.056667	180.9964486	.248	-1109.163290	127.049957
	10.00	-2116.455833*	191.9757242	<.001	-2772.056911	-1460.854756
	11.00	-956.031333*	221.6744721	.004	-1713.054250	-199.008416
	12.00	-1564.636000*	221.6744721	<.001	-2321.658917	-807.613083
6.00	1.00	2666.791667*	191.9757242	<.001	2011.190589	3322.392744
	2.00	-1030.408417*	175.2490577	<.001	-1628.887581	-431.929252
	3.00	-2045.181667*	191.9757242	<.001	-2700.782744	-1389.580589
	4.00	848.040333*	191.9757242	.003	192.439256	1503.641411
	5.00	-8.509667	221.6744721	1.000	-765.532584	748.513250
	7.00	-8.509667	221.6744721	1.000	-765.532584	748.513250
	8.00	-492.818000	191.9757242	.323	-1148.419077	162.783077
	9.00	-499.566333	180.9964486	.226	-1117.672957	118.540290
	10.00	-2124.965500*	191.9757242	<.001	-2780.566577	-1469.364423
	11.00	-964.541000*	221.6744721	.003	-1721.563917	-207.518083
	12.00	-1573.145667*	221.6744721	<.001	-2330.168584	-816.122750
7.00	1.00	2675.301333*	191.9757242	<.001	2019.700256	3330.902411
	2.00	-1021.898750*	175.2490577	<.001	-1620.377915	-423.419585
	3.00	-2036.672000*	191.9757242	<.001	-2692.273077	-1381.070923
	4.00	856.550000*	191.9757242	.002	200.948923	1512.151077
	5.00	.000000	221.6744721	1.000	-757.022917	757.022917
	6.00	8.509667	221.6744721	1.000	-748.513250	765.532584
	8.00	-484.308333	191.9757242	.349	-1139.909411	171.292744

(I) Kedalaman	(J) Kedalaman	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
	9.00	-491.056667	180.9964486	.248	-1109.163290	127.049957
	10.00	-2116.455833*	191.9757242	<.001	-2772.056911	-1460.854756
	11.00	-956.031333*	221.6744721	.004	-1713.054250	-199.008416
	12.00	-1564.636000*	221.6744721	<.001	-2321.658917	-807.613083
8.00	1.00	3159.609667*	156.7475224	<.001	2624.313629	3694.905705
	2.00	-537.590417*	135.7473364	.011	-1001.170384	-74.010449
	3.00	-1552.363667*	156.7475224	<.001	-2087.659705	-1017.067629
	4.00	1340.858333*	156.7475224	<.001	805.562295	1876.154371
	5.00	484.308333	191.9757242	.349	-171.292744	1139.909411
	6.00	492.818000	191.9757242	.323	-162.783077	1148.419077
	7.00	484.308333	191.9757242	.349	-171.292744	1139.909411
	9.00	-6.748333	143.0902565	1.000	-495.404525	481.907858
	10.00	-1632.147500*	156.7475224	<.001	-2167.443538	-1096.851462
	11.00	-471.723000	191.9757242	.388	-1127.324077	183.878077
	12.00	-1080.327667*	191.9757242	<.001	-1735.928744	-424.726589
9.00	1.00	3166.358000*	143.0902565	<.001	2677.701808	3655.014192
	2.00	-530.842083*	119.7178978	.002	-939.681186	-122.002981
	3.00	-1545.615333*	143.0902565	<.001	-2034.271525	-1056.959142
	4.00	1347.606667*	143.0902565	<.001	858.950475	1836.262858
	5.00	491.056667	180.9964486	.248	-127.049957	1109.163290
	6.00	499.566333	180.9964486	.226	-118.540290	1117.672957
	7.00	491.056667	180.9964486	.248	-127.049957	1109.163290
	8.00	6.748333	143.0902565	1.000	-481.907858	495.404525

(I) Kedalaman	(J) Kedalaman	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
	10.00	-1625.399167*	143.0902565	<.001	-2114.055358	-1136.742975
	11.00	-464.974667	180.9964486	.322	-1083.081290	153.131957
	12.00	-1073.579333*	180.9964486	<.001	-1691.685957	-455.472710
10.00	1.00	4791.757167*	156.7475224	<.001	4256.461129	5327.053205
	2.00	1094.557083*	135.7473364	<.001	630.977116	1558.137051
	3.00	79.783833	156.7475224	1.000	-455.512205	615.079871
	4.00	2973.005833*	156.7475224	<.001	2437.709795	3508.301871
	5.00	2116.455833*	191.9757242	<.001	1460.854756	2772.056911
	6.00	2124.965500*	191.9757242	<.001	1469.364423	2780.566577
	7.00	2116.455833*	191.9757242	<.001	1460.854756	2772.056911
	8.00	1632.147500*	156.7475224	<.001	1096.851462	2167.443538
	9.00	1625.399167*	143.0902565	<.001	1136.742975	2114.055358
	11.00	1160.424500*	191.9757242	<.001	504.823423	1816.025577
	12.00	551.819833	191.9757242	.180	-103.781244	1207.420911
11.00	1.00	3631.332667*	191.9757242	<.001	2975.731589	4286.933744
	2.00	-65.867417	175.2490577	1.000	-664.346581	532.611748
	3.00	-1080.640667*	191.9757242	<.001	-1736.241744	-425.039589
	4.00	1812.581333*	191.9757242	<.001	1156.980256	2468.182411
	5.00	956.031333*	221.6744721	.004	199.008416	1713.054250
	6.00	964.541000*	221.6744721	.003	207.518083	1721.563917
	7.00	956.031333*	221.6744721	.004	199.008416	1713.054250
	8.00	471.723000	191.9757242	.388	-183.878077	1127.324077
	9.00	464.974667	180.9964486	.322	-153.131957	1083.081290

(I) Kedalaman	(J) Kedalaman	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
	10.00	-1160.424500*	191.9757242	<.001	-1816.025577	-504.823423
	12.00	-608.604667	221.6744721	.233	-1365.627584	148.418250
12.00	1.00	4239.937333*	191.9757242	<.001	3584.336256	4895.538411
	2.00	542.737250	175.2490577	.110	-55.741915	1141.216415
	3.00	-472.036000	191.9757242	.387	-1127.637077	183.565077
	4.00	2421.186000*	191.9757242	<.001	1765.584923	3076.787077
	5.00	1564.636000*	221.6744721	<.001	807.613083	2321.658917
	6.00	1573.145667*	221.6744721	<.001	816.122750	2330.168584
	7.00	1564.636000*	221.6744721	<.001	807.613083	2321.658917
	8.00	1080.327667*	191.9757242	<.001	424.726589	1735.928744
	9.00	1073.579333*	180.9964486	<.001	455.472710	1691.685957
	10.00	-551.819833	191.9757242	.180	-1207.420911	103.781244
	11.00	608.604667	221.6744721	.233	-148.418250	1365.627584

Based on observed means.

The error term is Mean Square(Error) = 73709.357.

*. The mean difference is significant at the .05 level.

Homogeneous Subsets

Usia Sampel Karang

Tukey HSD[a,b,c]

Zona	Pulau	Kedalaman (m)	N	Subset 1	2	3	4	5	6
1	Kayangan	0.2	6	354.349333					
2	Panambungan	0.8	6		2173.100667				
2	Pajenekang	1	3			3021.141000			
2	Panambungan	1	12			3029.650667			
3	Kodingareng Lompo	1	3			3029.650667			
3	Kodingareng Lompo	1.2	9			3513.959000	3513.959000		
3	Kodingareng Lompo	1.25	6			3520.707333	3520.707333		
4	Langkai	1.3	3				3985.682000	3985.682000	
1	Kayangan	1.35	3				4051.549417	4051.549417	
4	Papandangan	1.4	3					4594.286667	4594.286667
1	Kayangan	1.5	6						5066.322667
3	Bonetambung	1.5	6						5146.106500
		Sig.		.294	.107	.163	.174	1.000	1.000

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = 73709.357.

a. Uses Harmonic Mean Sample Size = 4.454.

b. The group sizes are unequal. The harmonic mean of the group sizes is used. Type I error levels are not guaranteed.

c. Alpha = .05.

LAMPIRAN 2. DOKUMENTASI

Pengambilan Sampel

A. Pulau Kayangan

B. Pulau Ballang Caddi

C. Pulau Karanrang

D. Pulau Panambungan

E. Pulau Pajenekang

F. Pulau Barrang Lompo

G. Pulau Kodingareng Lompo

H. Pulau Langkai

Pengerjaan Penelitian di Laboratorium

Penimbangan Bobot Awal dan Akhir

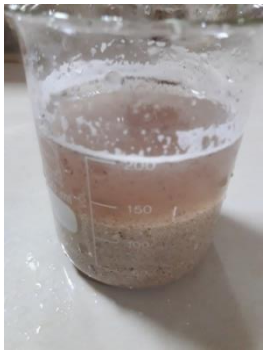
Pencucian Kimia Tahap 1. Sonifikasi Sampel Karang

Pencucian Kimia Tahap 2

Pencucian Kimia Tahap 3

Penggerusan Sampel Karang

Pencucian Sediment dengan HCl %



Sampel Sedimen Setelah Pencucian dengan HCl

Proses Sonifikasi Pada Sampel Sedimen

Absorbsi CO_2 untuk sampel karang dan sedimen

Titrasi

Foto tempat sampel dan Instrumen LSC Hidex 300 SL

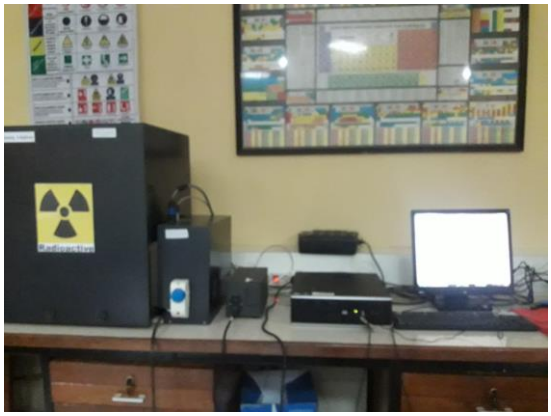
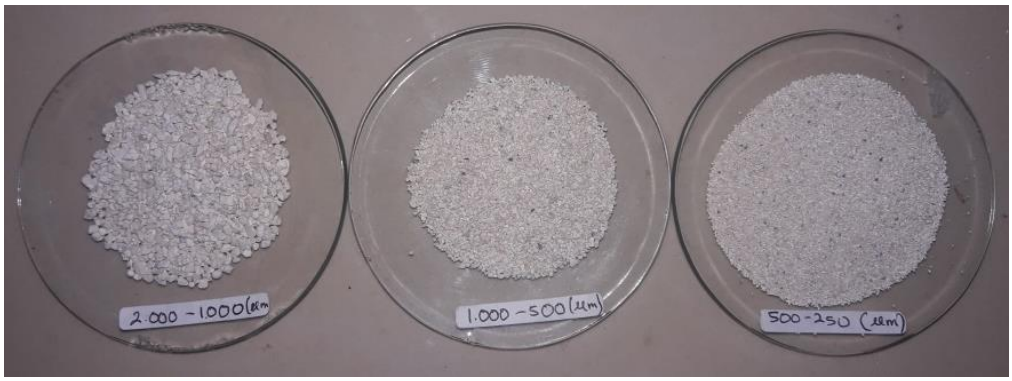
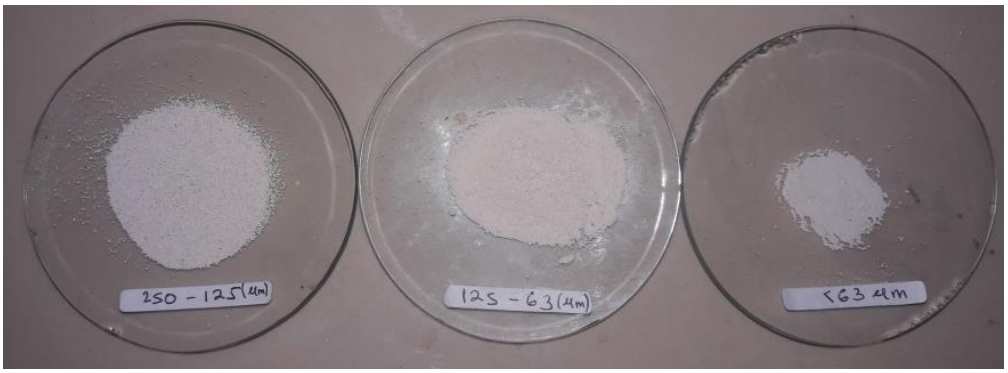


Foto tempat sampel dan Instrumen *Thermo Fisher Scientific ARL QUANT'X EDXRF Analyzer*

Foto Ayakan Kering

Analisis Tekstur Sedimen





Sedimen P. Kayangan

Sedimen P. Ballang Caddi

Sedimen P. Karanrang

Sedimen P. Barrang Lompo

Sedimen P. Panambungan

Sedimen P. Pajenekang

Sedimen P. Kodingareng Lompo

Sedimen P. Bone Tambung

Sedimen P. Sarappo Lompo

Sedimen P. Langkai

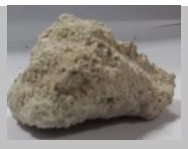
Sedimen P. Papandangan

Sedimen P. Suranti

LAMPIRAN 3 DATA SPESIES KARANG

Zona	Pulau	Kedalaman (m)	Genus	Gambar	Karakteristik
1	Pulau Kayangan	0.20	**Family:** *Poritidae,* **Genus:** *Porites,* ***Spesies**: Porites sp*		*Lifeform* karang masiv dan permukaannya halus
		0.20	**Family:** *Poritidae,* **Genus:** *Porites,* ***Spesies:** Porites sp*		*Lifeform* karang masiv dan permukaannya halus
		1.35	**Famili:** *Merulinidae* **Genus:** *Hydnopora* **Spesies:** *Hydnophora sp*		Ada garis proyeksi duri pada bagian tengah koloni yang membentuk duri dipermukaan. Namun, pada bagian permukaan sudah tidak nampak adanya duri, melainkan ada struktur yang mengarah pada pembentukan duri
		1.35	**Family:** *Poritidae,* **Genus:** *Porites* **Spesies:** *Porites sp*		*Lifeform* karang masiv dan permukaannya halus
		1.35	**Family:** *Poritidae,* **Genus:** *Porites* **Spesies:** *Porites sp*		*Lifeform* karang masiv dan permukaannya halus
		1.35	**Family:** *Acroporidae* **Genus:** *Acropora* **Spesies:** *Acropora sp*		Bentuk bercabang (*branching*), dominan tumbuh kearah axial (ujung percabangan). Terdapat

					percabangan sekunder pada fosil, cabang axial (utama) meruncing ke atas.
		1.50	*Fosil karang masiv tidak teridentifikasi*		-
		1.50	*Fosil karang masiv tidak teridentifikasi*		-
2	Pulau Panambungan	0.80	**Family:** *Poritidae,* **Genus:** *Porites* **Spesies:** *Porites sp*		*Lifeform* karang masiv dan permukaannya halus
		1.00	**Genus:** *Seriatopora* **Spesies:** *Seriatopora sp*		Percabangan kecil yang bersambung, tidak beraturan, dan dominan bentuk bercabang
2	Pulau Pajenekang	1.00	**Genus:** *Porites* **Spesies:** *Porites sp*		Koralit kecil, bentuk bercabang tebal, dan pendek
3	Pulau Kodingareng Lompo	1.00	Unidentified massive coral fossil		-
		1.20	Unidentified massive coral fossil		-.

		1.25	Unidentified massive coral fossil		-
		1.25	Unidentified massive coral fossil .		-.
		125	*Undentified fossil coral*		-
3	Pulau Bonetambung	1.50	**Family:** *Pocilloporidae* **Genus:** *Styllophora* **Spesies:** *Styllophora sp*		Percabangan pendek, koralit lebih jelas terlihat, dan bentuknya tidak teratur.
		1.50	*Unidentified coral fossil*		-
4	Pulau Langkai	1.30	*Unidentified massive coral fossil*		-
4	Pulau Papandangan	1.40	**Family:** *Poritidae* **Genus:** *Porites* **Spesies:** *Porites sp*		*Lifeform* karang masiv dan permukaannya halus

LAMPIRAN 4. KANDUNGAN KIMIA SEDIMEN KEPULAUAN SPERMONDE

No	Nama Pulau	Kedalaman (m)	Kandungan Kimia (%)					
			CaO	SrO	SiO_2	Fe_2O_3	TiO_2	MgO
1	Kayangan	0.5	95.25	2.25	1.34	1.02	0.09	0.00
2	Kayangan	1.0	91.53	2.39	1.42	1.08	0.08	3.39
3	Kayangan	1.5	90.01	1.93	0.53	0.86	0.00	3.17
4	Ballang Caddi	0.5	93,63	1,89	1,12	0,40	0.00	2.89
5	Ballang Caddi	1.0	93,26	2,22	0,74	0,41	0.04	3.25
6	Ballang Caddi	1.5	96,26	1,78	1,48	0,40	0.02	0.00
7	Karanrang	0.5	96.91	2.95	0.00	0.00	0.00	0.00
8	Karanrang	1.0	97.23	2.55	0.00	0.11	0.00	0.00
9	Karanrang	1.5	97.88	2.08	0.00	0.00	0.00	0.00
10	Barrang Lompo	0.5	97.40	2.33	0.00	0.11	0.03	0.00
11	Barrang Lompo	1.0	97.91	1.94	0.00	0.00	0.02	0.00
12	Barrang Lompo	1.5	92.35	2.33	1.35	0.59	0.15	3,16
13	Pajenekang	0.5	97.75	2.15	0.00	0.00	0.00	0.00
14	Pajenekang	1.0	94.31	2.44	0.00	0.00	0.00	3,15
15	Pajenekang	1.5	93.94	2.61	0.00	0.14	0.00	3.24
16	Panambungan	0.5	94.37	2.73	0.00	0.00	0.00	2.81
17	Panambungan	1.0	96.60	2.60	0.00	0.00	0.00	0.00
18	Panambungan	1.5	96.74	2.53	0.00	0.00	0.00	0.00
19	Kodingareng Lompo	0.5	91.64	2.07	0.00	0.00	0.00	6.21
20	Kodingareng Lompo	1.0	93.91	1.95	0.00	0.00	0.00	4.08
21	Kodingareng Lompo	1.5	91.81	1.99	0.00	0.00	0.00	6.13
22	Bone Tambung	0.5	97.10	2.78	0.00	0.00	0.00	0.00
23	Bone Tambung	1.0	97.29	2.57	0.00	0.00	0.02	0.00
24	Bone Tambung	1.5	97.19	2.73	0.00	0.00	0.00	0.00
25	Sarappo Lompo	0.5	97.60	2.34	0.00	0.00	0.00	0.00
26	Sarappo Lompo	1.0	98.03	1.87	0.00	0.00	0.01	0.00
27	Sarappo Lompo	1.5	92.13	1.95	0.00	0.00	0.00	5.87
28	Langkai	0.5	96.92	2.94	0.00	0.00	0.01	0.00
29	Langkai	1.0	97.17	2.72	0.00	0.00	0.00	0.00
30	Langkai	1.5	97.26	2.21	0.46	0.00	0.00	0.00
31	Papandangan	0.5	93.24	2.30	0.00	0.00	0.00	3.27
32	Papandangan	1.0	95.27	2.26	0.00	0.00	0.00	0.00
33	Papandangan	1.5	93.16	2.21	0.00	0.00	0.00	3.09
34	Suranti	0.5	97.01	2.87	0.00	0.00	0.00	0.00
35	Suranti	1.0	94.93	2.71	0.00	0.00	0.00	0.00
36	Suranti	1.5	94.42	2.35	0.00	0.00	0.00	0.00

LAMPIRAN 5. PERHITUNGAN OPTIMALISASI PERBANDINGAN KOKTAIL AQUALIGHT LLT DAN SAMPEL

Counting Time (m)	Control (20:0)	(19:1)	(18:2)	(17:3)	(16:4)	(15:5)	(14:6)	(13:7)	(12:8)	(11:9)	(10:10)	(9:11)	(8:12)	(7:13)
30	0,633	0,369	0,546	0,506	0,447	0,508	0,528	0,553	0,722	0,555	0,579	0,588	0,603	0,630
30	0,640	0,413	0,665	0,538	0,486	0,536	0,557	0,630	0,748	0,584	0,582	0,590	0,602	0,619
30	0,637	0,472	0,662	0,550	0,538	0,568	0,643	0,638	0,727	0,591	0,585	0,590	0,588	0,617
30	0,631	0,580	0,671	0,563	0,583	0,604	0,654	0,641	0,746	0,582	0,584	0,587	0,592	0,609
30	0,634	0,638	0,688	0,582	0,627	0,623	0,669	0,643	0,724	0,585	0,585	0,588	0,587	0,588
Average	0,635	0,494	0,646	0,548	0,536	0,568	0,610	0,621	0,733	0,579	0,583	0,589	0,594	0,613
S.D	0,004	0,113	0,057	0,028	0,072	0,047	0,063	0,038	0,013	0,014	0,003	0,001	0,008	0,016

LAMPIRAN 6. HASIL ANALISIS STATISTIK OPTIMALISASI PERBANDINGAN KOKTAIL AQUALIGHT LLT DAN SAMPEL

Oneway

Descriptives

TDCR

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum	Between- Component Variance
						Lower Bound	Upper Bound			
Control (20:0)		5	.635000	.0035355	.0015811	.630610	.639390	.6310	.6400	
19:1		5	.494400	.1126956	.0503990	.354470	.634330	.3690	.6380	
18:2		5	.646400	.0570202	.0255002	.575600	.717200	.5460	.6880	
17:3		5	.520800	.0463541	.0207302	.463244	.578356	.4470	.5630	
16:4		5	.563200	.0534107	.0238860	.496882	.629518	.4860	.6270	
15:5		5	.567800	.0472885	.0211480	.509084	.626516	.5080	.6230	
14:6		5	.610200	.0633222	.0283185	.531575	.688825	.5280	.6690	
13:7		5	.621000	.0383341	.0171435	.573402	.668598	.5530	.6430	
12:8		5	.733400	.0125618	.0056178	.717802	.748998	.7220	.7480	
11:9		5	.579400	.0140464	.0062817	.561959	.596841	.5550	.5910	
10:10		5	.583000	.0025495	.0011402	.579834	.586166	.5790	.5850	
9:11		5	.588600	.0013416	.0006000	.586934	.590266	.5870	.5900	
8:12		5	.594400	.0076354	.0034147	.584919	.603881	.5870	.6030	
7:13		5	.612600	.0156621	.0070043	.593153	.632047	.5880	.6300	
Total		70	.596443	.0690873	.0082575	.579970	.612916	.3690	.7480	
Model	Fixed Effects			.0457851	.0054724	.585480	.607405			
	Random Effects				.0152614	.563473	.629413			.0028415

Tests of Homogeneity of Variances

		Levene Statistic	df1	df2	Sig.
TDCR	Based on Mean	7.205	13	56	<.001
	Based on Median	2.872	13	56	.003
	Based on Median and with adjusted df	2.872	13	23.313	.013
	Based on trimmed mean	6.648	13	56	<.001

ANOVA

TDCR

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	.212	13	.016	7.778	<.001
Within Groups	.117	56	.002		
Total	.329	69			

Post Hoc Tests

Multiple Comparisons

Dependent Variable: TDCR

Tukey HSD

(I) Volume Ratio Aqualight LLT: Sample	(J) Volume Ratio Aqualight LLT: Sample	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
Control (20:0)	19:1	.140600*	.028957	<.001	.03911	.24209
	18:2	-.011400	.028957	1.000	-.11289	.09009
	17:3	.114200*	.028957	.015	.01271	.21569
	16:4	.071800	.028957	.440	-.02969	.17329
	15:5	.067200	.028957	.548	-.03429	.16869
	15:6	.024800	.028957	1.000	-.07669	.12629
	13:7	.014000	.028957	1.000	-.08749	.11549
	12:8	-.098400	.028957	.066	-.19989	.00309
	11:9	.055600	.028957	.807	-.04589	.15709
	10:10	.052000	.028957	.869	-.04949	.15349
	9:11	.046400	.028957	.938	-.05509	.14789
	8:12	.040600	.028957	.978	-.06089	.14209
	7:13	.022400	.028957	1.000	-.07909	.12389
19:1	Control (20:0)	-.140600*	.028957	<.001	-.24209	-.03911
	18:2	-.152000*	.028957	<.001	-.25349	-.05051
	17:3	-.026400	.028957	1.000	-.12789	.07509
	16:4	-.068800	.028957	.509	-.17029	.03269
	15:5	-.073400	.028957	.404	-.17489	.02809
	15:6	-.115800*	.028957	.012	-.21729	-.01431

(I) Volume Ratio Aqualight LLT: Sample	(J) Volume Ratio Aqualight LLT: Sample	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
	13:7	-.126600*	.028957	.004	-.22809	-.02511
	12:8	-.239000*	.028957	<.001	-.34049	-.13751
	11:9	-.085000	.028957	.194	-.18649	.01649
	10:10	-.088600	.028957	.148	-.19009	.01289
	9:11	-.094200	.028957	.095	-.19569	.00729
	8:12	-.100000	.028957	.057	-.20149	.00149
	7:13	-.118200*	.028957	.010	-.21969	-.01671
18:2	Control (20:0)	.011400	.028957	1.000	-.09009	.11289
	19:1	.152000*	.028957	<.001	.05051	.25349
	17:3	.125600*	.028957	.004	.02411	.22709
	16:4	.083200	.028957	.220	-.01829	.18469
	15:5	.078600	.028957	.298	-.02289	.18009
	15:6	.036200	.028957	.992	-.06529	.13769
	13:7	.025400	.028957	1.000	-.07609	.12689
	12:8	-.087000	.028957	.167	-.18849	.01449
	11:9	.067000	.028957	.552	-.03449	.16849
	10:10	.063400	.028957	.638	-.03809	.16489
	9:11	.057800	.028957	.763	-.04369	.15929
	8:12	.052000	.028957	.869	-.04949	.15349
	7:13	.033800	.028957	.996	-.06769	.13529
17:3	Control (20:0)	-.114200*	.028957	.015	-.21569	-.01271
	19:1	.026400	.028957	1.000	-.07509	.12789
	18:2	-.125600*	.028957	.004	-.22709	-.02411
	16:4	-.042400	.028957	.969	-.14389	.05909
	15:5	-.047000	.028957	.932	-.14849	.05449
	15:6	-.089400	.028957	.140	-.19089	.01209
	13:7	-.100200	.028957	.056	-.20169	.00129
	12:8	-.212600*	.028957	<.001	-.31409	-.11111
	11:9	-.058600	.028957	.746	-.16009	.04289
	10:10	-.062200	.028957	.666	-.16369	.03929
	9:11	-.067800	.028957	.533	-.16929	.03369

(I) Volume Ratio Aqualight LLT: Sample	(J) Volume Ratio Aqualight LLT: Sample	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
	8:12	-.073600	.028957	.400	-.17509	.02789
	7:13	-.091800	.028957	.115	-.19329	.00969
16:4	Control (20:0)	-.071800	.028957	.440	-.17329	.02969
	19:1	.068800	.028957	.509	-.03269	.17029
	18:2	-.083200	.028957	.220	-.18469	.01829
	17:3	.042400	.028957	.969	-.05909	.14389
	15:5	-.004600	.028957	1.000	-.10609	.09689
	15:6	-.047000	.028957	.932	-.14849	.05449
	13:7	-.057800	.028957	.763	-.15929	.04369
	12:8	-.170200*	.028957	<.001	-.27169	-.06871
	11:9	-.016200	.028957	1.000	-.11769	.08529
	10:10	-.019800	.028957	1.000	-.12129	.08169
	9:11	-.025400	.028957	1.000	-.12689	.07609
	8:12	-.031200	.028957	.998	-.13269	.07029
	7:13	-.049400	.028957	.905	-.15089	.05209
15:5	Control (20:0)	-.067200	.028957	.548	-.16869	.03429
	19:1	.073400	.028957	.404	-.02809	.17489
	18:2	-.078600	.028957	.298	-.18009	.02289
	17:3	.047000	.028957	.932	-.05449	.14849
	16:4	.004600	.028957	1.000	-.09689	.10609
	14:6	-.042400	.028957	.969	-.14389	.05909
	13:7	-.053200	.028957	.849	-.15469	.04829
	12:8	-.165600*	.028957	<.001	-.26709	-.06411
	11:9	-.011600	.028957	1.000	-.11309	.08989
	10:10	-.015200	.028957	1.000	-.11669	.08629
	9:11	-.020800	.028957	1.000	-.12229	.08069
	8:12	-.026600	.028957	1.000	-.12809	.07489
	7:13	-.044800	.028957	.952	-.14629	.05669
14:6	Control (20:0)	-.024800	.028957	1.000	-.12629	.07669
	19:1	.115800*	.028957	.012	.01431	.21729
	18:2	-.036200	.028957	.992	-.13769	.06529

(I) Volume Ratio Aqualight LLT: Sample	(J) Volume Ratio Aqualight LLT: Sample	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
	17:3	.089400	.028957	.140	-.01209	.19089
	16:4	.047000	.028957	.932	-.05449	.14849
	15:5	.042400	.028957	.969	-.05909	.14389
	13:7	-.010800	.028957	1.000	-.11229	.09069
	12:8	-.123200*	.028957	.006	-.22469	-.02171
	11:9	.030800	.028957	.998	-.07069	.13229
	10:10	.027200	.028957	1.000	-.07429	.12869
	9:11	.021600	.028957	1.000	-.07989	.12309
	8:12	.015800	.028957	1.000	-.08569	.11729
	7:13	-.002400	.028957	1.000	-.10389	.09909
13:7	Control (20:0)	-.014000	.028957	1.000	-.11549	.08749
	19:1	.126600*	.028957	.004	.02511	.22809
	18:2	-.025400	.028957	1.000	-.12689	.07609
	17:3	.100200	.028957	.056	-.00129	.20169
	16:4	.057800	.028957	.763	-.04369	.15929
	15:5	.053200	.028957	.849	-.04829	.15469
	14:6	.010800	.028957	1.000	-.09069	.11229
	12:8	-.112400*	.028957	.017	-.21389	-.01091
	11:9	.041600	.028957	.973	-.05989	.14309
	10:10	.038000	.028957	.987	-.06349	.13949
	9:11	.032400	.028957	.997	-.06909	.13389
	8:12	.026600	.028957	1.000	-.07489	.12809
	7:13	.008400	.028957	1.000	-.09309	.10989
12:8	Control (20:0)	.098400	.028957	.066	-.00309	.19989
	19:1	.239000*	.028957	<.001	.13751	.34049
	18:2	.087000	.028957	.167	-.01449	.18849
	17:3	.212600*	.028957	<.001	.11111	.31409
	16:4	.170200*	.028957	<.001	.06871	.27169
	15:5	.165600*	.028957	<.001	.06411	.26709
	14:6	.123200*	.028957	.006	.02171	.22469
	13:7	.112400*	.028957	.017	.01091	.21389

(I) Volume Ratio Aqualight LLT: Sample	(J) Volume Ratio Aqualight LLT: Sample	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
	11:9	.154000*	.028957	<.001	.05251	.25549
	10:10	.150400*	.028957	<.001	.04891	.25189
	9:11	.144800*	.028957	<.001	.04331	.24629
	8:12	.139000*	.028957	<.001	.03751	.24049
	7:13	.120800*	.028957	.007	.01931	.22229
11:9	Control (20:0)	-.055600	.028957	.807	-.15709	.04589
	19:1	.085000	.028957	.194	-.01649	.18649
	18:2	-.067000	.028957	.552	-.16849	.03449
	17:3	.058600	.028957	.746	-.04289	.16009
	16:4	.016200	.028957	1.000	-.08529	.11769
	15:5	.011600	.028957	1.000	-.08989	.11309
	14:6	-.030800	.028957	.998	-.13229	.07069
	13:7	-.041600	.028957	.973	-.14309	.05989
	12:8	-.154000*	.028957	<.001	-.25549	-.05251
	10:10	-.003600	.028957	1.000	-.10509	.09789
	9:11	-.009200	.028957	1.000	-.11069	.09229
	8:12	-.015000	.028957	1.000	-.11649	.08649
	7:13	-.033200	.028957	.996	-.13469	.06829
10:10	Control (20:0)	-.052000	.028957	.869	-.15349	.04949
	19:1	.088600	.028957	.148	-.01289	.19009
	18:2	-.063400	.028957	.638	-.16489	.03809
	17:3	.062200	.028957	.666	-.03929	.16369
	16:4	.019800	.028957	1.000	-.08169	.12129
	15:5	.015200	.028957	1.000	-.08629	.11669
	14:6	-.027200	.028957	1.000	-.12869	.07429
	13:7	-.038000	.028957	.987	-.13949	.06349
	12:8	-.150400*	.028957	<.001	-.25189	-.04891
	11:9	.003600	.028957	1.000	-.09789	.10509
	9:11	-.005600	.028957	1.000	-.10709	.09589
	8:12	-.011400	.028957	1.000	-.11289	.09009
	7:13	-.029600	.028957	.999	-.13109	.07189

(I) Volume Ratio Aqualight LLT: Sample	(J) Volume Ratio Aqualight LLT: Sample	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
9:11	Control (20:0)	-.046400	.028957	.938	-.14789	.05509
	19:1	.094200	.028957	.095	-.00729	.19569
	18:2	-.057800	.028957	.763	-.15929	.04369
	17:3	.067800	.028957	.533	-.03369	.16929
	16:4	.025400	.028957	1.000	-.07609	.12689
	15:5	.020800	.028957	1.000	-.08069	.12229
	14:6	-.021600	.028957	1.000	-.12309	.07989
	13:7	-.032400	.028957	.997	-.13389	.06909
	12:8	-.144800*	.028957	<.001	-.24629	-.04331
	11:9	.009200	.028957	1.000	-.09229	.11069
	10:10	.005600	.028957	1.000	-.09589	.10709
	8:12	-.005800	.028957	1.000	-.10729	.09569
	7:13	-.024000	.028957	1.000	-.12549	.07749
8:12	Control (20:0)	-.040600	.028957	.978	-.14209	.06089
	19:1	.100000	.028957	.057	-.00149	.20149
	18:2	-.052000	.028957	.869	-.15349	.04949
	17:3	.073600	.028957	.400	-.02789	.17509
	16:4	.031200	.028957	.998	-.07029	.13269
	15:5	.026600	.028957	1.000	-.07489	.12809
	14:6	-.015800	.028957	1.000	-.11729	.08569
	13:7	-.026600	.028957	1.000	-.12809	.07489
	12:8	-.139000*	.028957	<.001	-.24049	-.03751
	11:9	.015000	.028957	1.000	-.08649	.11649
	10:10	.011400	.028957	1.000	-.09009	.11289
	9:11	.005800	.028957	1.000	-.09569	.10729
	7:13	-.018200	.028957	1.000	-.11969	.08329
7:13	Control (20:0)	-.022400	.028957	1.000	-.12389	.07909
	19:1	.118200*	.028957	.010	.01671	.21969
	18:2	-.033800	.028957	.996	-.13529	.06769
	17:3	.091800	.028957	.115	-.00969	.19329
	16:4	.049400	.028957	.905	-.05209	.15089

(I) Volume Ratio Aqualight LLT: Sample	(J) Volume Ratio Aqualight LLT: Sample	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
	15:5	.044800	.028957	.952	-.05669	.14629
	14:6	.002400	.028957	1.000	-.09909	.10389
	13:7	-.008400	.028957	1.000	-.10989	.09309
	12:8	-.120800*	.028957	.007	-.22229	-.01931
	11:9	.033200	.028957	.996	-.06829	.13469
	10:10	.029600	.028957	.999	-.07189	.13109
	9:11	.024000	.028957	1.000	-.07749	.12549
	8:12	.018200	.028957	1.000	-.08329	.11969

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

Homogeneous Subsets

TDCR

Tukey HSD[a]

Konsentrasi	N	Subset for alpha = 0.05			
		1	2	3	4
19:1	5	.49440			
17:3	5	.52080	.52080		
16:4	5	.56320	.56320	.56320	
15:5	5	.56780	.56780	.56780	
11:9	5	.57940	.57940	.57940	
10:10	5	.58300	.58300	.58300	
9:11	5	.58860	.58860	.58860	
8:12	5	.59440	.59440	.59440	
14:6	5		.61020	.61020	
7:13	5		.61260	.61260	
13:7	5		.62100	.62100	
Control (20:1)	5			.63500	.63500
18:2	5			.64640	.64640
12:8	5				.73340
Sig.		.057	.056	.220	.066

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5.000.

LAMPIRAN 7. AKTIVITAS SPESIFIK SAMPEL SEDIMEN

No	Zona	Pulau	Kedalaman (cm)	At1	At2	At3		Ao	t1/2/ Ln 2	Ln(Ao/At1)	Ln(Ao/At2	Ln(Ao/At3)	Mean Aktivitas	S.D
1	1	Pulau Kayangan	50	14,323	13,672	13,672		15,3	8268,398	0,066	0,113	0,113	13,889	0,376
2			100	11,029	10,417	10,417		15,3	8268,398	0,327	0,384	0,384	10,621	0,353
3			150	8,578	7,966	7,966		15,3	8268,398	0,579	0,653	0,653	8,170	0,353
4		Pulau Ballang Caddi	50	14,093	13,48	13,48		15,3	8268,398	0,082	0,127	0,127	13,684	0,354
5			100	10,995	10,417	10,417		15,3	8268,398	0,330	0,384	0,384	10,610	0,334
6			150	8,578	7,966	7,966		15,3	8268,398	0,579	0,653	0,653	8,170	0,353
7		Pulau Karanrang	50	14,323	13,672	13,672		15,3	8268,398	0,066	0,113	0,113	13,889	0,376
8			100	11,068	10,417	10,417		15,3	8268,398	0,324	0,384	0,384	10,634	0,376
9			150	9,115	8,464	8,464		15,3	8268,398	0,518	0,592	0,592	8,681	0,376
10	2	Pulau Barrang Lompo	50	13,817	13,216	13,216		15,3	8268,398	0,102	0,146	0,146	13,416	0,347
11			100	11,029	10,417	10,417		15,3	8268,398	0,327	0,384	0,384	10,621	0,353
12			150	9,011	8,41	8,41		15,3	8268,398	0,529	0,598	0,598	8,610	0,347
13		Pulau Pajenekang	50	14,323	13,672	13,672		15,3	8268,398	0,066	0,113	0,113	13,889	0,376
14			100	10,965	10,417	10,417		15,3	8268,398	0,333	0,384	0,384	10,600	0,316
15			150	9,191	7,966	7,966		15,3	8268,398	0,510	0,653	0,653	8,374	0,707
16		Pulau Panambungan	50	13,636	13,636	13,636		15,3	8268,398	0,115	0,115	0,115	13,636	0,000
17			100	10,995	10,417	10,417		15,3	8268,398	0,330	0,384	0,384	10,610	0,334
18			150	8,681	8,102	8,102		15,3	8268,398	0,567	0,636	0,636	8,295	0,334

Ket: At= Aktivitas spesifik sampel; Ao=Aktivitas spesifik ^{14}C modern; Mean= Rata-Rata; S.D= Standar deviasi

AKTIVITAS SPESIFIK SAMPEL SEDIMEN

No	Zona	Pulau	Kedalaman (cm)	At1	At2	At3	Ao	t1/2/ Ln 2	Ln(Ao/At1)	Ln(Ao/At2	Ln(Ao/At3)	Mean Aktivitas	S.D
19	3	Pulau Kodingareng Lompo	50	13,636	13,636	13,636	15,3	8268,398	0,115	0,115	0,115	13,636	0,000
20			100	10,995	10,417	10,417	15,3	8268,398	0,330	0,384	0,384	10,610	0,334
21			150	8,681	8,102	8,102	15,3	8268,398	0,567	0,636	0,636	8,295	0,334
22		Pulau Bonetambung	50	14,254	13,706	13,706	15,3	8268,398	0,071	0,110	0,110	13,889	0,316
23			100	11,207	10,617	10,617	15,3	8268,398	0,311	0,365	0,365	10,814	0,341
24			150	8,848	8,258	8,258	15,3	8268,398	0,548	0,617	0,617	8,455	0,341
25		Pulau Sarappo Lompo	50	14,093	13,48	13,48	15,3	8268,398	0,082	0,127	0,127	13,684	0,354
26			100	11,068	10,417	10,417	15,3	8268,398	0,324	0,384	0,384	10,634	0,376
27			150	8,578	7,966	7,966	15,3	8268,398	0,579	0,653	0,653	8,170	0,353
28		Pulau Langkai	50	14,156	13,566	13,566	15,3	8268,398	0,078	0,120	0,120	13,763	0,341
29			100	11,029	10,417	10,417	15,3	8268,398	0,327	0,384	0,384	10,621	0,353
30			150	8,681	8,102	8,102	15,3	8268,398	0,567	0,636	0,636	8,295	0,334
31		Pulau Papandangan	50	14,156	13,566	13,566	15,3	8268,398	0,078	0,120	0,120	13,763	0,341
32			100	10,995	10,417	10,417	15,3	8268,398	0,330	0,384	0,384	10,610	0,334
33			150	8,681	8,102	8,102	15,3	8268,398	0,567	0,636	0,636	8,295	0,334
34		Pulau Suranti	50	13,889	13,31	13,31	15,3	8268,398	0,097	0,139	0,139	13,503	0,334
35			100	10,995	10,417	10,417	15,3	8268,398	0,330	0,384	0,384	10,610	0,334
36			150	8,681	8,102	8,102	15,3	8268,398	0,567	0,636	0,636	8,295	0,334

Ket: At= Aktivitas spesifik sampel; Ao=Aktivitas spesifik ^{14}C modern; Mean= Rata-Rata; S.D= Standar deviasi

LAMPIRAN 8. PERHITUNGAN UMUR SEDIMEN

No	Zona	Pulau	Kedalaman (cm)	U1	U2	U 3	Mean	S.D	Rentang-	Rentang+
1	1	Pulau Kayangan	50	545,600	930,219	930,219	802,012	222,060	579,953	1024,072
2			100	2706,451	3178,486	3178,486	3021,141	272,530	2748,611	3293,671
3			150	4784,526	5396,538	5396,538	5192,534	353,346	4839,188	5545,880
4		Pulau Ballang Caddi	50	679,452	1047,157	1047,157	924,589	212,295	712,294	1136,883
5			100	2731,980	3178,486	3178,486	3029,651	257,790	2771,860	3287,441
6			150	4784,526	5396,538	5396,538	5192,534	353,346	4839,188	5545,880
7		Pulau Karanrang	50	545,600	930,219	930,219	802,012	222,060	579,953	1024,072
8			100	2677,264	3178,486	3178,486	3011,412	289,381	2722,031	3300,793
9			150	4282,463	4895,148	4895,148	4690,920	353,734	4337,186	5044,653
10	2	Pulau Barrang Lompo	50	842,989	1210,697	1210,697	1088,128	212,296	875,831	1300,424
11			100	2706,451	3178,486	3178,486	3021,141	272,530	2748,611	3293,671
12			150	4377,346	4948,069	4948,069	4757,828	329,507	4428,321	5087,335
13		Pulau Pajenekang	50	545,600	930,219	930,219	802,012	222,060	579,953	1024,072
14			100	2754,571	3178,486	3178,486	3037,181	244,747	2792,434	3281,928
15			150	4213,808	5396,538	5396,538	5002,295	682,850	4319,445	5685,145
16		Pulau Panambungan	50	952,019	952,019	952,019	952,019	0,000	952,019	952,019
17			100	2731,980	3178,486	3178,486	3029,651	257,790	2771,860	3287,441
18			150	4685,834	5256,567	5256,567	5066,323	329,513	4736,810	5395,836

Ket: Age = Umur sampel (Tahun); Mean= Rata-rata umur (Tahun); S.D= Standar deviasi

PERHITUNGAN UMUR SEDIMEN

No	Zona	Pulau	Kedalaman (cm)	A 1	A2	A3	Mean	S.D	Rentang-	Rentang+
19	3	Pulau Kodingareng Lompo	50	952,019	952,019	952,019	952,019	0,000	952,019	952,019
20			100	2731,980	3178,486	3178,486	3029,651	257,790	2771,860	3287,441
21			150	4685,834	5256,567	5256,567	5066,323	329,513	4736,810	5395,836
22		Pulau Bonetambung	50	585,529	909,682	909,682	801,631	187,150	614,481	988,781
23			100	2574,070	3021,242	3021,242	2872,185	258,175	2614,010	3130,360
24			150	4528,282	5098,876	5098,876	4908,678	329,433	4579,246	5238,111
25		Pulau Sarappo Lompo	50	679,452	1047,157	1047,157	924,589	212,295	712,294	1136,883
26			100	2677,264	3178,486	3178,486	3011,412	289,381	2722,031	3300,793
27			150	4784,526	5396,538	5396,538	5192,534	353,346	4839,188	5545,880
28		Pulau Langkai	50	642,573	994,574	994,574	877,240	203,228	674,012	1080,468
29			100	2706,451	3178,486	3178,486	3021,141	272,530	2748,611	3293,671
30			150	4685,834	5256,567	5256,567	5066,323	329,513	4736,810	5395,836
31		Pulau Papandangan	50	642,573	994,574	994,574	877,240	203,228	674,012	1080,468
32			100	2731,980	3178,486	3178,486	3029,651	257,790	2771,860	3287,441
33			150	4685,834	5256,567	5256,567	5066,323	329,513	4736,810	5395,836
34		Pulau Suranti	50	800,014	1152,095	1152,095	1034,735	203,274	831,461	1238,009
35			100	2731,980	3178,486	3178,486	3029,651	257,790	2771,860	3287,441
36			150	4685,834	5256,567	5256,567	5066,323	329,513	4736,810	5395,836

Ket: Age = Umur sampel (Tahun); Mean= Rata-rata umur (Tahun); S.D= Standar deviasi

LAMPIRAN 9. AKTIVITAS SPESIFIK SAMPEL KARANG

No	Zona	Pulau	Kedalaman (m)	Spesies	At1	At2	At3	Ao	Ln2*t1/2	Ln(Ao/At1)	Ln(Ao/At2	Ln(Ao/At3)	Mean	S.D
1	1	Pulau Kayangan	0.2	*Porites sp*	15,046	14,468	14,468	15,3	8268,3983	0,017	0,056	0,056	14,661	0,334
2			0.2	*Porites sp*	15,046	14,468	14,468	15,3	8268,3983	0,017	0,056	0,056	14,661	0,334
3			1.35	*Hydrophora sp*	9,804	9,191	9,191	15,3	8268,3983	0,445	0,510	0,510	9,395	0,354
4			1.35	*Porites sp*	9,766	9,115	9,115	15,3	8268,3983	0,449	0,518	0,518	9,332	0,376
5			1.35	*Porites sp*	9,838	9,259	9,259	15,3	8268,3983	0,442	0,502	0,502	9,452	0,334
6			1.35	*Acropora sp*	9,766	9,115	9,115	15,3	8268,3983	0,449	0,518	0,518	9,332	0,376
7			1.5	*Fosil karang masiv tidak teridentifikasi*	8,681	8,102	8,102	15,3	8268,3983	0,567	0,636	0,636	8,295	0,334
8			1.5	*Fosil karang masiv tidak teridentifikasi*	8,681	8,102	8,102	15,3	8268,3983	0,567	0,636	0,636	8,295	0,334
9	2	Pulau panambungan	0.8	*Porites sp*	12,153	11,574	11,574	15,3	8268,3983	0,230	0,279	0,279	11,767	0,334
10			1,00	*Seriatopora sp*	10,995	10,417	10,417	15,3	8268,3983	0,330	0,384	0,384	10,610	0,334
11		Pulau Pajenekang	1,00	*Porites sp*	11,029	10,417	10,417	15,3	8268,3983	0,327	0,384	0,384	10,621	0,353

Ket: At=Aktivitas Spesifik Sampel; Ao= Aktivitas Spesifik ^{14}C Modern;

LAMPIRAN 9 AKTIVITAS SPESIFIK SAMPEL KARANG

No	Zona	Pulau	Kedalaman (m)	Spesies	At1	At2	At3	Ao	Ln2*t1/2	Ln(Ao/At1)	Ln(Ao/At2	Ln(Ao/At3)	Mean At	S.D
12	3	Pulau Kodingareng Lompo	1,00	*Fosil karang masiv tidak teridentifikasi*	10,995	10,417	10,417	15,3	8268,3983	0,330	0,384	0,384	10,610	0,334
13			1.2	*Fosil karang masiv tidak teridentifikasi*	10,417	9,838	9,838	15,3	8268,3983	0,384	0,442	0,442	10,031	0,334
14			1.2	*Fosil karang masiv tidak teridentifikasi*	10,417	9,766	9,766	15,3	8268,3983	0,384	0,449	0,449	9,983	0,376
15			1.25	*Fosil karang masiv tidak teridentifikasi*	10,417	9,766	9,766	15,3	8268,3983	0,384	0,449	0,449	9,983	0,376
16			1.25	*Fosil karang masiv tidak teridentifikasi*	10,417	9,766	9,766	15,3	8268,3983	0,384	0,449	0,449	9,983	0,376
17			1.25	*Fosil karang tidak teridentifikasi*	10,417	9,838	9,838	15,3	8268,3983	0,384	0,442	0,442	10,031	0,334
18		Pulau Bonetambung	1.5	*Stylophora sp*	8,464	7,812	7,812	15,3	8268,3983	0,592	0,672	0,672	8,029	0,376
19			1.5	*Fosil karang masiv tidak teridentifikasi*	8,772	8,224	8,224	15,3	8268,3983	0,556	0,621	0,621	8,407	0,316
20	4	Pulau Langkai	1,30	*Fosil karang masiv tidak teridentifikasi*	9,838	9,259	9,259	15,3	8268,3983	0,442	0,502	0,502	9,452	0,334
21		Pulau papandangan	1,40	*Porites sp*	9,191	8,578	8,578	15,3	8268,3983	0,510	0,579	0,579	8,782	0,354

Ket: At=Aktivitas Spesifik Sampel; Ao= Aktivitas Spesifik ^{14}C Modern;

LAMPIRAN 10 UMUR SAMPEL KARANG

No	Zona	Pulau	Kedalaman (m)	Spesies	U1	U2	U3	Mean U	S.D	Rentang-	Rentang+
1	1	Pulau Kayangan	0.2	*Porites sp*	138,418	462,315	462,315	354,350	187,002	167,348	541,352
2			0.2	*Porites sp*	138,418	462,315	462,315	354,350	187,002	167,348	541,352
3			1.35	*Hydrophora sp*	3679,953	4213,808	4213,808	4035,856	308,221	3727,635	4344,078
4			1.35	*Porites sp*	3712,063	4282,463	4282,463	4092,330	329,321	3763,009	4421,651
5			1.35	*Porites sp*	3651,328	4152,859	4152,859	3985,682	289,559	3696,123	4275,241
6			1.35	*Acropora sp*	3712,063	4282,463	4282,463	4092,330	329,321	3763,009	4421,651
7			1.5	*Fosil karang masiv tidak teridentifikasi*	4685,834	5256,567	5256,567	5066,323	329,513	4736,810	5395,836
8			1.5	*Fosil karang masiv tidak teridentifikasi*	4685,834	5256,567	5256,567	5066,323	329,513	4736,810	5395,836
9	2	Pulau panambungan	0.8	*Porites sp*	1904,020	2307,641	2307,641	2173,101	233,030	1940,070	2406,131
			1,00	*Seriatopora sp*	2731,980	3178,486	3178,486	3029,651	257,790	2771,860	3287,441
11		Pulau Pajenekang	1,00	*Porites sp*	2706,451	3178,486	3178,486	3021,141	272,530	2748,611	3293,671

Ket: U= Umur; Mean= Rata-rata umur; S.D= Standar deviasi

LAMPIRAN 10 UMUR SAMPEL KARANG

No	Zona	Pulau	Kedalaman (m)	Spesies	U1	U2	U3	Mean	S.D	Rentang-	Rentang+
12	3	Pulau Kodingareng Lompo	1,00	*Fosil karang masiv tidak teridentifikasi*	2731,980	3178,486	3178,486	3029,651	257,790	2771,860	3287,441
13			1.2	*Fosil karang masiv tidak teridentifikasi*	3178,486	3651,328	3651,328	3493,714	272,995	3220,718	3766,709
14			1.2	*Fosil karang masiv tidak teridentifikasi*	3178,486	3712,063	3712,063	3534,204	308,061	3226,143	3842,265
15			1.25	*Fosil karang masiv tidak teridentifikasi*	3178,486	3712,063	3712,063	3534,204	308,061	3226,143	3842,265
16			1.25	*Fosil karang masiv tidak teridentifikasi*	3178,486	3712,063	3712,063	3534,204	308,061	3226,143	3842,265
17			1.25	*Fosil karang tidak teridentifikasi*	3178,486	3651,328	3651,328	3493,714	272,995	3220,718	3766,709
18		Pulau Bonetambung	1.5	*Stylophora sp*	4895,148	5557,950	5557,950	5337,016	382,669	4954,347	5719,685
19			1.5	*Fosil karang masiv tidak teridentifikasi*	4599,611	5132,990	5132,990	4955,197	307,946	4647,250	5263,143
20	4	Pulau Langkai	1,30	*Fosil karang masiv tidak teridentifikasi*	3651,328	4152,859	4152,859	3985,682	289,559	3696,123	4275,241
21		Pulau papandangan	1,40	*Porites sp*	4213,808	4784,526	4784,526	4594,286	329,504	4264,782	4923,790

Ket: U= Umur; Mean= Rata-rata umur; S.D= Standar deviasi

LAMPIRAN 11. HASIL ANALISIS STATISTIK SEDIMEN (UNIVARIATE TEST) AKTIVITAS SPESIFIK ^{14}C DAN UMUR SEDIMEN

AKTIVITAS SPESIFIK ^{14}C

Univariate Analysis of Variance

Between-Subjects Factors

		N
Zona Kepualuan	1.00	27
	2.00	27
	3.00	27
	4.00	27
Kedalaman Sampel	.50	36
	1.00	36
	1.50	36

Descriptive Statistics

Dependent Variable: Aktivitas Spesifik

Zona Kepualuan	Kedalaman Sampel	Mean	Std. Deviation	N
1.00	.50	13.82078	.335290	9
	1.00	10.62156	.307376	9
	1.50	8.34033	.403759	9
	Total	10.92756	2.315352	27
2.00	.50	13.64711	.327683	9
	1.00	10.61011	.290109	9
	1.50	8.42656	.450851	9
	Total	10.89459	2.209202	27
3.00	.50	13.73633	.264255	9
	1.00	10.68578	.318554	9
	1.50	8.30656	.321600	9
	Total	10.90956	2.283259	27
4.00	.50	13.67611	.320640	9
	1.00	10.61344	.294830	9
	1.50	8.29500	.289500	9
	Total	10.86152	2.264464	27
Total	.50	13.72008	.306988	36
	1.00	10.63272	.291340	36
	1.50	8.34211	.359514	36
	Total	10.89831	2.236503	108

Levene's Test of Equality of Error Variances[a,b]

		Levene Statistic	df1	df2	Sig.
Aktivitas Spesifik	Based on Mean	.695	11	96	.740
	Based on Median	.395	11	96	.955
	Based on Median and with adjusted df	.395	11	89.492	.955
	Based on trimmed mean	.662	11	96	.770

Tests the null hypothesis that the error variance of the dependent variable is equal across groups.

a. Dependent variable: Aktivitas Spesifik

b. Design: Intercept + Zona + Depth + Zona * Depth

Tests of Between-Subjects Effects

Dependent Variable: Aktivitas Spesifik

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	524.704[a]	11	47.700	435.950	<.001
Intercept	12827.491	1	12827.491	117234.735	<.001
Zona	.063	3	.021	.193	.901
Depth	524.415	2	262.208	2396.404	<.001
Zona * Depth	.225	6	.038	.343	.912
Error	10.504	96	.109		
Total	13362.699	108			
Corrected Total	535.208	107			

a. R Squared = .980 (Adjusted R Squared = .978)

Post Hoc Tests, Kedalaman Sampel

Multiple Comparisons

Dependent Variable: Aktivitas Spesifik

Tukey HSD

(I) Kedalaman Sampel	(J) Kedalaman Sampel	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
.50	1.00	3.08736*	.077966	<.001	2.90175	3.27297
	1.50	5.37797*	.077966	<.001	5.19237	5.56358
1.00	.50	-3.08736*	.077966	<.001	-3.27297	-2.90175
	1.50	2.29061*	.077966	<.001	2.10500	2.47622
1.50	.50	-5.37797*	.077966	<.001	-5.56358	-5.19237
	1.00	-2.29061*	.077966	<.001	-2.47622	-2.10500

Based on observed means.

The error term is Mean Square(Error) = .109.

*. The mean difference is significant at the .05 level.

Aktivitas Spesifik

Tukey HSD[a,b]

Kedalaman Sampel	Subset		
	1	2	3
1.50	8.34211		
1.00		10.63272	
.50			13.72008
Sig.	1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square(Error) = .109.

a. Uses Harmonic Mean Sample Size = 36.000; b. Alpha = .05

USIA SAMPEL SEDIMEN

Univariate Analysis of Variance

Between-Subjects Factors

		N
Zona Kepualuan	1.00	27
	2.00	27
	3.00	27
	4.00	27
Kode Pulau	1.10	3
	1.20	3
	1.30	3
	2.10	3
	2.20	3
	2.30	3
	3.10	3
	3.20	3
	3.30	3
	4.10	3
	4.20	3
	4.30	3
	5.10	3
	5.20	3
	5.30	3
	6.10	3
	6.20	3
	6.30	3
	7.10	3
	7.20	3
	7.30	3
	8.10	3
	8.20	3
	8.30	3
	9.10	3
	9.20	3
	9.30	3
	10.10	3
	10.20	3
	10.30	3
	11.10	3
	11.20	3

Between-Subjects Factors

		N
	11.30	3
	12.10	3
	12.20	3
	12.30	3

Descriptive Statistics

Dependent Variable: Usia Relatif

Zona Kepualuan	Kode Pulau	Mean	Std. Deviation	N
1.00	1.10	802.01267	222.059883	3
	1.20	3021.14100	272.529534	3
	1.30	5192.53400	353.345293	3
	2.10	924.58867	212.294581	3
	2.20	3029.65067	257.790359	3
	2.30	5192.53400	353.345293	3
	3.10	802.01267	222.059883	3
	3.20	3011.41200	289.380657	3
	3.30	4690.91967	353.733850	3
	Total	2962.97837	1762.680381	27
2.00	4.10	1088.12767	212.296313	3
	4.20	3021.14100	272.529534	3
	4.30	4757.82800	329.507078	3
	5.10	802.01267	222.059883	3
	5.20	3037.18100	244.747439	3
	5.30	5002.29467	682.849484	3
	6.10	952.01900	.000000	3
	6.20	3029.65067	257.790359	3
	6.30	5066.32267	329.512851	3
	Total	2972.95304	1688.122039	27
3.00	7.10	952.01900	.000000	3
	7.20	3029.65067	257.790359	3
	7.30	5066.32267	329.512851	3
	8.10	801.63100	187.149822	3
	8.20	2872.18467	258.174875	3
	8.30	4908.67800	329.432599	3
	9.10	924.58867	212.294581	3
	9.20	3011.41200	289.380657	3
	9.30	5192.53400	353.345293	3
	Total	2973.22452	1748.334154	27
4.00	10.10	877.24033	203.227872	3

Zona Kepualuan	Kode Pulau	Mean	Std. Deviation	N
	10.20	3021.14100	272.529534	3
	10.30	5066.32267	329.512851	3
	11.10	877.24033	203.227872	3
	11.20	3029.65067	257.790359	3
	11.30	5066.32267	329.512851	3
	12.10	1034.73467	203.274060	3
	12.20	3029.65067	257.790359	3
	12.30	5066.32267	329.512851	3
	Total	3007.62507	1736.147291	27
Total	1.10	802.01267	222.059883	3
	1.20	3021.14100	272.529534	3
	1.30	5192.53400	353.345293	3
	2.10	924.58867	212.294581	3
	2.20	3029.65067	257.790359	3
	2.30	5192.53400	353.345293	3
	3.10	802.01267	222.059883	3
	3.20	3011.41200	289.380657	3
	3.30	4690.91967	353.733850	3
	4.10	1088.12767	212.296313	3
	4.20	3021.14100	272.529534	3
	4.30	4757.82800	329.507078	3
	5.10	802.01267	222.059883	3
	5.20	3037.18100	244.747439	3
	5.30	5002.29467	682.849484	3
	6.10	952.01900	.000000	3
	6.20	3029.65067	257.790359	3
	6.30	5066.32267	329.512851	3
	7.10	952.01900	.000000	3
	7.20	3029.65067	257.790359	3
	7.30	5066.32267	329.512851	3
	8.10	801.63100	187.149822	3
	8.20	2872.18467	258.174875	3
	8.30	4908.67800	329.432599	3
	9.10	924.58867	212.294581	3
	9.20	3011.41200	289.380657	3
	9.30	5192.53400	353.345293	3
	10.10	877.24033	203.227872	3
	10.20	3021.14100	272.529534	3
	10.30	5066.32267	329.512851	3
	11.10	877.24033	203.227872	3

Zona Kepualuan	Kode Pulau	Mean	Std. Deviation	N
	11.20	3029.65067	257.790359	3
	11.30	5066.32267	329.512851	3
	12.10	1034.73467	203.274060	3
	12.20	3029.65067	257.790359	3
	12.30	5066.32267	329.512851	3
	Total	2979.19525	1709.649805	108

Levene's Test of Equality of Error Variances[a,b]

		Levene Statistic	df1	df2	Sig.
Usia Relatif	Based on Mean	2.227	35	72	.002
	Based on Median	.139	35	72	1.000
	Based on Median and with adjusted df	.139	35	41.120	1.000
	Based on trimmed mean	1.754	35	72	.023

Tests the null hypothesis that the error variance of the dependent variable is equal across groups.

a. Dependent variable: Usia Relatif

b. Design: Intercept + Zona + Kode + Zona * Kode

Tests of Between-Subjects Effects

Dependent Variable: Usia Relatif

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	306716190.101[a]	35	8763319.717	104.561	<.001
Intercept	958565268.463	1	958565268.463	11437.261	<.001
Zona	.000	0	.	.	.
Kode	306685251.964	32	9583914.124	114.352	<.001
Zona * Kode	.000	0	.	.	.
Error	6034372.788	72	83810.733		
Total	1271315831.353	108			
Corrected Total	312750562.889	107			

a. R Squared = .981 (Adjusted R Squared = .971)

Post Hoc Tests
Kode Pulau
Homogeneous Subsets

Usia Relatif

Tukey HSD[a,b]

Zona	Pulau	Kedalaman (m)	N	Subset 1	Subset 2	Subset 3
3	Bonetambung	.50	3	801.63100		
1	Kayangan	.50	3	802.01267		
1	Karanrang	.50	3	802.01267		
2	Pajenekang	.50	3	802.01267		
4	Langkai	.50	3	877.24033		
3	Papandangan	.50	3	877.24033		
1	Ballang Cadi	.50	3	924.58867		
3	Sarappo Lompo	.50	3	924.58867		
2	Panambungan	.50	3	952.01900		
3	Kodingareng Lompo	.50	3	952.01900		
4	Suranti	.50	3	1034.73467		
2	Barrang Lompo	.50	3	1088.12767		
3	Bonetambung	1.00	3		2872.18467	
1	Karanrang	1.00	3		3011.41200	
3	Sarappo Lompo	1.00	3		3011.41200	
1	Kayangan	1.00	3		3021.14100	
2	Barrang Lompo	1.00	3		3021.14100	
4	Langkai	1.00	3		3021.14100	
1	Ballang Cadi	1.00	3		3029.65067	
2	Panambungan	1.00	3		3029.65067	
3	Kodingareng Lompo	1.00	3		3029.65067	
4	Papandangan	1.00	3		3029.65067	
4	Suranti	1.00	3		3029.65067	
2	Pajenekang	1.00	3		3037.18100	
1	Karanrang	1.50	3			4690.91967
2	Barrang Lompo	1.50	3			4757.82800
3	Bonetambung	1.50	3			4908.67800
2	Pajenekang	1.50	3			5002.29467
2	Panambungan	1.50	3			5066.32267
3	Kodingareng Lompo	1.50	3			5066.32267
4	Langkai	1.50	3			5066.32267

Zona	Pulau	Kedalaman (m)	N	Subset 1	Subset 2	Subset 3
4	Papandangan	1.50	3			5066.32267
4	Suranti	1.50	3			5066.32267
1	Kayangan	1.50	3			5192.53400
1	Ballang Cadi	1.50	3			5192.53400
3		9.30	3			5192.53400
Sig.				1.000	1.000	.969

Means for groups in homogeneous subsets are displayed.

Based on observed means.

The error term is Mean Square (Error) = 83810.733.

a. Uses Harmonic Mean Sample Size = 3.000.

b. Alpha = .05.

Multiple Comparisons

Dependent Variable: Usia Relatif

Tukey HSD

(I) Kode Pulau	(J) Kode Pulau	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval Lower Bound	95% Confidence Interval Upper Bound
1.10	1.20	-2219.12833*	236.376442	<.001	-3165.36174	-1272.89492
	1.30	-4390.52133*	236.376442	<.001	-5336.75474	-3444.28792
	2.10	-122.57600	236.376442	1.000	-1068.80941	823.65741
	2.20	-2227.63800*	236.376442	<.001	-3173.87141	-1281.40459
	2.30	-4390.52133*	236.376442	<.001	-5336.75474	-3444.28792
	3.10	.00000	236.376442	1.000	-946.23341	946.23341
	3.20	-2209.39933*	236.376442	<.001	-3155.63274	-1263.16592
	3.30	-3888.90700*	236.376442	<.001	-4835.14041	-2942.67359
	4.10	-286.11500	236.376442	1.000	-1232.34841	660.11841
	4.20	-2219.12833*	236.376442	<.001	-3165.36174	-1272.89492
	4.30	-3955.81533*	236.376442	<.001	-4902.04874	-3009.58192
	5.10	.00000	236.376442	1.000	-946.23341	946.23341
	5.20	-2235.16833*	236.376442	<.001	-3181.40174	-1288.93492
	5.30	-4200.28200*	236.376442	<.001	-5146.51541	-3254.04859
	6.10	-150.00633	236.376442	1.000	-1096.23974	796.22708
	6.20	-2227.63800*	236.376442	<.001	-3173.87141	-1281.40459
	6.30	-4264.31000*	236.376442	<.001	-5210.54341	-3318.07659
	7.10	-150.00633	236.376442	1.000	-1096.23974	796.22708
	7.20	-2227.63800*	236.376442	<.001	-3173.87141	-1281.40459
	7.30	-4264.31000*	236.376442	<.001	-5210.54341	-3318.07659
	8.10	.38167	236.376442	1.000	-945.85174	946.61508

	8.20	-2070.17200*	236.376442	<.001	-3016.40541	-1123.93859
	8.30	-4106.66533*	236.376442	<.001	-5052.89874	-3160.43192
	9.10	-122.57600	236.376442	1.000	-1068.80941	823.65741
	9.20	-2209.39933*	236.376442	<.001	-3155.63274	-1263.16592
	9.30	-4390.52133*	236.376442	<.001	-5336.75474	-3444.28792
	10.10	-75.22767	236.376442	1.000	-1021.46108	871.00574
	10.20	-2219.12833*	236.376442	<.001	-3165.36174	-1272.89492
	10.30	-4264.31000*	236.376442	<.001	-5210.54341	-3318.07659
	11.10	-75.22767	236.376442	1.000	-1021.46108	871.00574
	11.20	-2227.63800*	236.376442	<.001	-3173.87141	-1281.40459
	11.30	-4264.31000*	236.376442	<.001	-5210.54341	-3318.07659
	12.10	-232.72200	236.376442	1.000	-1178.95541	713.51141
	12.20	-2227.63800*	236.376442	<.001	-3173.87141	-1281.40459
	12.30	-4264.31000*	236.376442	<.001	-5210.54341	-3318.07659
1.20	**1.10**	2219.12833*	236.376442	<.001	1272.89492	3165.36174
	1.30	-2171.39300*	236.376442	<.001	-3117.62641	-1225.15959
	2.10	2096.55233*	236.376442	<.001	1150.31892	3042.78574
	2.20	-8.50967	236.376442	1.000	-954.74308	937.72374
	2.30	-2171.39300*	236.376442	<.001	-3117.62641	-1225.15959
	3.10	2219.12833*	236.376442	<.001	1272.89492	3165.36174
	3.20	9.72900	236.376442	1.000	-936.50441	955.96241
	3.30	-1669.77867*	236.376442	<.001	-2616.01208	-723.54526
	4.10	1933.01333*	236.376442	<.001	986.77992	2879.24674
	4.20	.00000	236.376442	1.000	-946.23341	946.23341
	4.30	-1736.68700*	236.376442	<.001	-2682.92041	-790.45359
	5.10	2219.12833*	236.376442	<.001	1272.89492	3165.36174
	5.20	-16.04000	236.376442	1.000	-962.27341	930.19341
	5.30	-1981.15367*	236.376442	<.001	-2927.38708	-1034.92026
	6.10	2069.12200*	236.376442	<.001	1122.88859	3015.35541
	6.20	-8.50967	236.376442	1.000	-954.74308	937.72374
	6.30	-2045.18167*	236.376442	<.001	-2991.41508	-1098.94826
	7.10	2069.12200*	236.376442	<.001	1122.88859	3015.35541
	7.20	-8.50967	236.376442	1.000	-954.74308	937.72374
	7.30	-2045.18167*	236.376442	<.001	-2991.41508	-1098.94826
	8.10	2219.51000*	236.376442	<.001	1273.27659	3165.74341
	8.20	148.95633	236.376442	1.000	-797.27708	1095.18974
	8.30	-1887.53700*	236.376442	<.001	-2833.77041	-941.30359
	9.10	2096.55233*	236.376442	<.001	1150.31892	3042.78574
	9.20	9.72900	236.376442	1.000	-936.50441	955.96241
	9.30	-2171.39300*	236.376442	<.001	-3117.62641	-1225.15959
	10.10	2143.90067*	236.376442	<.001	1197.66726	3090.13408

	10.20	.00000	236.376442	1.000	-946.23341	946.23341
	10.30	-2045.18167*	236.376442	<.001	-2991.41508	-1098.94826
	11.10	2143.90067*	236.376442	<.001	1197.66726	3090.13408
	11.20	-8.50967	236.376442	1.000	-954.74308	937.72374
	11.30	-2045.18167*	236.376442	<.001	-2991.41508	-1098.94826
	12.10	1986.40633*	236.376442	<.001	1040.17292	2932.63974
	12.20	-8.50967	236.376442	1.000	-954.74308	937.72374
	12.30	-2045.18167*	236.376442	<.001	-2991.41508	-1098.94826
1.30	1.10	4390.52133*	236.376442	<.001	3444.28792	5336.75474
	1.20	2171.39300*	236.376442	<.001	1225.15959	3117.62641
	2.10	4267.94533*	236.376442	<.001	3321.71192	5214.17874
	2.20	2162.88333*	236.376442	<.001	1216.64992	3109.11674
	2.30	.00000	236.376442	1.000	-946.23341	946.23341
	3.10	4390.52133*	236.376442	<.001	3444.28792	5336.75474
	3.20	2181.12200*	236.376442	<.001	1234.88859	3127.35541
	3.30	501.61433	236.376442	.969	-444.61908	1447.84774
	4.10	4104.40633*	236.376442	<.001	3158.17292	5050.63974
	4.20	2171.39300*	236.376442	<.001	1225.15959	3117.62641
	4.30	434.70600	236.376442	.996	-511.52741	1380.93941
	5.10	4390.52133*	236.376442	<.001	3444.28792	5336.75474
	5.20	2155.35300*	236.376442	<.001	1209.11959	3101.58641
	5.30	190.23933	236.376442	1.000	-755.99408	1136.47274
	6.10	4240.51500*	236.376442	<.001	3294.28159	5186.74841
	6.20	2162.88333*	236.376442	<.001	1216.64992	3109.11674
	6.30	126.21133	236.376442	1.000	-820.02208	1072.44474
	7.10	4240.51500*	236.376442	<.001	3294.28159	5186.74841
	7.20	2162.88333*	236.376442	<.001	1216.64992	3109.11674
	7.30	126.21133	236.376442	1.000	-820.02208	1072.44474
	8.10	4390.90300*	236.376442	<.001	3444.66959	5337.13641
	8.20	2320.34933*	236.376442	<.001	1374.11592	3266.58274
	8.30	283.85600	236.376442	1.000	-662.37741	1230.08941
	9.10	4267.94533*	236.376442	<.001	3321.71192	5214.17874
	9.20	2181.12200*	236.376442	<.001	1234.88859	3127.35541
	9.30	.00000	236.376442	1.000	-946.23341	946.23341
	10.10	4315.29367*	236.376442	<.001	3369.06026	5261.52708
	10.20	2171.39300*	236.376442	<.001	1225.15959	3117.62641
	10.30	126.21133	236.376442	1.000	-820.02208	1072.44474
	11.10	4315.29367*	236.376442	<.001	3369.06026	5261.52708
	11.20	2162.88333*	236.376442	<.001	1216.64992	3109.11674
	11.30	126.21133	236.376442	1.000	-820.02208	1072.44474
	12.10	4157.79933*	236.376442	<.001	3211.56592	5104.03274

	12.20	2162.88333*	236.376442	<.001	1216.64992	3109.11674
	12.30	126.21133	236.376442	1.000	-820.02208	1072.44474
2.10	**1.10**	122.57600	236.376442	1.000	-823.65741	1068.80941
	1.20	-2096.55233*	236.376442	<.001	-3042.78574	-1150.31892
	1.30	-4267.94533*	236.376442	<.001	-5214.17874	-3321.71192
	2.20	-2105.06200*	236.376442	<.001	-3051.29541	-1158.82859
	2.30	-4267.94533*	236.376442	<.001	-5214.17874	-3321.71192
	3.10	122.57600	236.376442	1.000	-823.65741	1068.80941
	3.20	-2086.82333*	236.376442	<.001	-3033.05674	-1140.58992
	3.30	-3766.33100*	236.376442	<.001	-4712.56441	-2820.09759
	4.10	-163.53900	236.376442	1.000	-1109.77241	782.69441
	4.20	-2096.55233*	236.376442	<.001	-3042.78574	-1150.31892
	4.30	-3833.23933*	236.376442	<.001	-4779.47274	-2887.00592
	5.10	122.57600	236.376442	1.000	-823.65741	1068.80941
	5.20	-2112.59233*	236.376442	<.001	-3058.82574	-1166.35892
	5.30	-4077.70600*	236.376442	<.001	-5023.93941	-3131.47259
	6.10	-27.43033	236.376442	1.000	-973.66374	918.80308
	6.20	-2105.06200*	236.376442	<.001	-3051.29541	-1158.82859
	6.30	-4141.73400*	236.376442	<.001	-5087.96741	-3195.50059
	7.10	-27.43033	236.376442	1.000	-973.66374	918.80308
	7.20	-2105.06200*	236.376442	<.001	-3051.29541	-1158.82859
	7.30	-4141.73400*	236.376442	<.001	-5087.96741	-3195.50059
	8.10	122.95767	236.376442	1.000	-823.27574	1069.19108
	8.20	-1947.59600*	236.376442	<.001	-2893.82941	-1001.36259
	8.30	-3984.08933*	236.376442	<.001	-4930.32274	-3037.85592
	9.10	.00000	236.376442	1.000	-946.23341	946.23341
	9.20	-2086.82333*	236.376442	<.001	-3033.05674	-1140.58992
	9.30	-4267.94533*	236.376442	<.001	-5214.17874	-3321.71192
	10.10	47.34833	236.376442	1.000	-898.88508	993.58174
	10.20	-2096.55233*	236.376442	<.001	-3042.78574	-1150.31892
	10.30	-4141.73400*	236.376442	<.001	-5087.96741	-3195.50059
	11.10	47.34833	236.376442	1.000	-898.88508	993.58174
	11.20	-2105.06200*	236.376442	<.001	-3051.29541	-1158.82859
	11.30	-4141.73400*	236.376442	<.001	-5087.96741	-3195.50059
	12.10	-110.14600	236.376442	1.000	-1056.37941	836.08741
	12.20	-2105.06200*	236.376442	<.001	-3051.29541	-1158.82859
	12.30	-4141.73400*	236.376442	<.001	-5087.96741	-3195.50059
2.20	**1.10**	2227.63800*	236.376442	<.001	1281.40459	3173.87141
	1.20	8.50967	236.376442	1.000	-937.72374	954.74308
	1.30	-2162.88333*	236.376442	<.001	-3109.11674	-1216.64992
	2.10	2105.06200*	236.376442	<.001	1158.82859	3051.29541

	2.30	-2162.88333*	236.376442	<.001	-3109.11674	-1216.64992
	3.10	2227.63800*	236.376442	<.001	1281.40459	3173.87141
	3.20	18.23867	236.376442	1.000	-927.99474	964.47208
	3.30	-1661.26900*	236.376442	<.001	-2607.50241	-715.03559
	4.10	1941.52300*	236.376442	<.001	995.28959	2887.75641
	4.20	8.50967	236.376442	1.000	-937.72374	954.74308
	4.30	-1728.17733*	236.376442	<.001	-2674.41074	-781.94392
	5.10	2227.63800*	236.376442	<.001	1281.40459	3173.87141
	5.20	-7.53033	236.376442	1.000	-953.76374	938.70308
	5.30	-1972.64400*	236.376442	<.001	-2918.87741	-1026.41059
	6.10	2077.63167*	236.376442	<.001	1131.39826	3023.86508
	6.20	.00000	236.376442	1.000	-946.23341	946.23341
	6.30	-2036.67200*	236.376442	<.001	-2982.90541	-1090.43859
	7.10	2077.63167*	236.376442	<.001	1131.39826	3023.86508
	7.20	.00000	236.376442	1.000	-946.23341	946.23341
	7.30	-2036.67200*	236.376442	<.001	-2982.90541	-1090.43859
	8.10	2228.01967*	236.376442	<.001	1281.78626	3174.25308
	8.20	157.46600	236.376442	1.000	-788.76741	1103.69941
	8.30	-1879.02733*	236.376442	<.001	-2825.26074	-932.79392
	9.10	2105.06200*	236.376442	<.001	1158.82859	3051.29541
	9.20	18.23867	236.376442	1.000	-927.99474	964.47208
	9.30	-2162.88333*	236.376442	<.001	-3109.11674	-1216.64992
	10.10	2152.41033*	236.376442	<.001	1206.17692	3098.64374
	10.20	8.50967	236.376442	1.000	-937.72374	954.74308
	10.30	-2036.67200*	236.376442	<.001	-2982.90541	-1090.43859
	11.10	2152.41033*	236.376442	<.001	1206.17692	3098.64374
	11.20	.00000	236.376442	1.000	-946.23341	946.23341
	11.30	-2036.67200*	236.376442	<.001	-2982.90541	-1090.43859
	12.10	1994.91600*	236.376442	<.001	1048.68259	2941.14941
	12.20	.00000	236.376442	1.000	-946.23341	946.23341
	12.30	-2036.67200*	236.376442	<.001	-2982.90541	-1090.43859
2.30	**1.10**	4390.52133*	236.376442	<.001	3444.28792	5336.75474
	1.20	2171.39300*	236.376442	<.001	1225.15959	3117.62641
	1.30	.00000	236.376442	1.000	-946.23341	946.23341
	2.10	4267.94533*	236.376442	<.001	3321.71192	5214.17874
	2.20	2162.88333*	236.376442	<.001	1216.64992	3109.11674
	3.10	4390.52133*	236.376442	<.001	3444.28792	5336.75474
	3.20	2181.12200*	236.376442	<.001	1234.88859	3127.35541
	3.30	501.61433	236.376442	.969	-444.61908	1447.84774
	4.10	4104.40633*	236.376442	<.001	3158.17292	5050.63974
	4.20	2171.39300*	236.376442	<.001	1225.15959	3117.62641

	4.30	434.70600	236.376442	.996	-511.52741	1380.93941
	5.10	4390.52133*	236.376442	<.001	3444.28792	5336.75474
	5.20	2155.35300*	236.376442	<.001	1209.11959	3101.58641
	5.30	190.23933	236.376442	1.000	-755.99408	1136.47274
	6.10	4240.51500*	236.376442	<.001	3294.28159	5186.74841
	6.20	2162.88333*	236.376442	<.001	1216.64992	3109.11674
	6.30	126.21133	236.376442	1.000	-820.02208	1072.44474
	7.10	4240.51500*	236.376442	<.001	3294.28159	5186.74841
	7.20	2162.88333*	236.376442	<.001	1216.64992	3109.11674
	7.30	126.21133	236.376442	1.000	-820.02208	1072.44474
	8.10	4390.90300*	236.376442	<.001	3444.66959	5337.13641
	8.20	2320.34933*	236.376442	<.001	1374.11592	3266.58274
	8.30	283.85600	236.376442	1.000	-662.37741	1230.08941
	9.10	4267.94533*	236.376442	<.001	3321.71192	5214.17874
	9.20	2181.12200*	236.376442	<.001	1234.88859	3127.35541
	9.30	.00000	236.376442	1.000	-946.23341	946.23341
	10.10	4315.29367*	236.376442	<.001	3369.06026	5261.52708
	10.20	2171.39300*	236.376442	<.001	1225.15959	3117.62641
	10.30	126.21133	236.376442	1.000	-820.02208	1072.44474
	11.10	4315.29367*	236.376442	<.001	3369.06026	5261.52708
	11.20	2162.88333*	236.376442	<.001	1216.64992	3109.11674
	11.30	126.21133	236.376442	1.000	-820.02208	1072.44474
	12.10	4157.79933*	236.376442	<.001	3211.56592	5104.03274
	12.20	2162.88333*	236.376442	<.001	1216.64992	3109.11674
	12.30	126.21133	236.376442	1.000	-820.02208	1072.44474
3.10	**1.10**	.00000	236.376442	1.000	-946.23341	946.23341
	1.20	-2219.12833*	236.376442	<.001	-3165.36174	-1272.89492
	1.30	-4390.52133*	236.376442	<.001	-5336.75474	-3444.28792
	2.10	-122.57600	236.376442	1.000	-1068.80941	823.65741
	2.20	-2227.63800*	236.376442	<.001	-3173.87141	-1281.40459
	2.30	-4390.52133*	236.376442	<.001	-5336.75474	-3444.28792
	3.20	-2209.39933*	236.376442	<.001	-3155.63274	-1263.16592
	3.30	-3888.90700*	236.376442	<.001	-4835.14041	-2942.67359
	4.10	-286.11500	236.376442	1.000	-1232.34841	660.11841
	4.20	-2219.12833*	236.376442	<.001	-3165.36174	-1272.89492
	4.30	-3955.81533*	236.376442	<.001	-4902.04874	-3009.58192
	5.10	.00000	236.376442	1.000	-946.23341	946.23341
	5.20	-2235.16833*	236.376442	<.001	-3181.40174	-1288.93492
	5.30	-4200.28200*	236.376442	<.001	-5146.51541	-3254.04859
	6.10	-150.00633	236.376442	1.000	-1096.23974	796.22708
	6.20	-2227.63800*	236.376442	<.001	-3173.87141	-1281.40459

	6.30	-4264.31000*	236.376442	<.001	-5210.54341	-3318.07659
	7.10	-150.00633	236.376442	1.000	-1096.23974	796.22708
	7.20	-2227.63800*	236.376442	<.001	-3173.87141	-1281.40459
	7.30	-4264.31000*	236.376442	<.001	-5210.54341	-3318.07659
	8.10	.38167	236.376442	1.000	-945.85174	946.61508
	8.20	-2070.17200*	236.376442	<.001	-3016.40541	-1123.93859
	8.30	-4106.66533*	236.376442	<.001	-5052.89874	-3160.43192
	9.10	-122.57600	236.376442	1.000	-1068.80941	823.65741
	9.20	-2209.39933*	236.376442	<.001	-3155.63274	-1263.16592
	9.30	-4390.52133*	236.376442	<.001	-5336.75474	-3444.28792
	10.10	-75.22767	236.376442	1.000	-1021.46108	871.00574
	10.20	-2219.12833*	236.376442	<.001	-3165.36174	-1272.89492
	10.30	-4264.31000*	236.376442	<.001	-5210.54341	-3318.07659
	11.10	-75.22767	236.376442	1.000	-1021.46108	871.00574
	11.20	-2227.63800*	236.376442	<.001	-3173.87141	-1281.40459
	11.30	-4264.31000*	236.376442	<.001	-5210.54341	-3318.07659
	12.10	-232.72200	236.376442	1.000	-1178.95541	713.51141
	12.20	-2227.63800*	236.376442	<.001	-3173.87141	-1281.40459
	12.30	-4264.31000*	236.376442	<.001	-5210.54341	-3318.07659
3.20	**1.10**	2209.39933*	236.376442	<.001	1263.16592	3155.63274
	1.20	-9.72900	236.376442	1.000	-955.96241	936.50441
	1.30	-2181.12200*	236.376442	<.001	-3127.35541	-1234.88859
	2.10	2086.82333*	236.376442	<.001	1140.58992	3033.05674
	2.20	-18.23867	236.376442	1.000	-964.47208	927.99474
	2.30	-2181.12200*	236.376442	<.001	-3127.35541	-1234.88859
	3.10	2209.39933*	236.376442	<.001	1263.16592	3155.63274
	3.30	-1679.50767*	236.376442	<.001	-2625.74108	-733.27426
	4.10	1923.28433*	236.376442	<.001	977.05092	2869.51774
	4.20	-9.72900	236.376442	1.000	-955.96241	936.50441
	4.30	-1746.41600*	236.376442	<.001	-2692.64941	-800.18259
	5.10	2209.39933*	236.376442	<.001	1263.16592	3155.63274
	5.20	-25.76900	236.376442	1.000	-972.00241	920.46441
	5.30	-1990.88267*	236.376442	<.001	-2937.11608	-1044.64926
	6.10	2059.39300*	236.376442	<.001	1113.15959	3005.62641
	6.20	-18.23867	236.376442	1.000	-964.47208	927.99474
	6.30	-2054.91067*	236.376442	<.001	-3001.14408	-1108.67726
	7.10	2059.39300*	236.376442	<.001	1113.15959	3005.62641
	7.20	-18.23867	236.376442	1.000	-964.47208	927.99474
	7.30	-2054.91067*	236.376442	<.001	-3001.14408	-1108.67726
	8.10	2209.78100*	236.376442	<.001	1263.54759	3156.01441
	8.20	139.22733	236.376442	1.000	-807.00608	1085.46074

	8.30	-1897.26600*	236.376442	<.001	-2843.49941	-951.03259
	9.10	2086.82333*	236.376442	<.001	1140.58992	3033.05674
	9.20	.00000	236.376442	1.000	-946.23341	946.23341
	9.30	-2181.12200*	236.376442	<.001	-3127.35541	-1234.88859
	10.10	2134.17167*	236.376442	<.001	1187.93826	3080.40508
	10.20	-9.72900	236.376442	1.000	-955.96241	936.50441
	10.30	-2054.91067*	236.376442	<.001	-3001.14408	-1108.67726
	11.10	2134.17167*	236.376442	<.001	1187.93826	3080.40508
	11.20	-18.23867	236.376442	1.000	-964.47208	927.99474
	11.30	-2054.91067*	236.376442	<.001	-3001.14408	-1108.67726
	12.10	1976.67733*	236.376442	<.001	1030.44392	2922.91074
	12.20	-18.23867	236.376442	1.000	-964.47208	927.99474
	12.30	-2054.91067*	236.376442	<.001	-3001.14408	-1108.67726
3.30	**1.10**	3888.90700*	236.376442	<.001	2942.67359	4835.14041
	1.20	1669.77867*	236.376442	<.001	723.54526	2616.01208
	1.30	-501.61433	236.376442	.969	-1447.84774	444.61908
	2.10	3766.33100*	236.376442	<.001	2820.09759	4712.56441
	2.20	1661.26900*	236.376442	<.001	715.03559	2607.50241
	2.30	-501.61433	236.376442	.969	-1447.84774	444.61908
	3.10	3888.90700*	236.376442	<.001	2942.67359	4835.14041
	3.20	1679.50767*	236.376442	<.001	733.27426	2625.74108
	4.10	3602.79200*	236.376442	<.001	2656.55859	4549.02541
	4.20	1669.77867*	236.376442	<.001	723.54526	2616.01208
	4.30	-66.90833	236.376442	1.000	-1013.14174	879.32508
	5.10	3888.90700*	236.376442	<.001	2942.67359	4835.14041
	5.20	1653.73867*	236.376442	<.001	707.50526	2599.97208
	5.30	-311.37500	236.376442	1.000	-1257.60841	634.85841
	6.10	3738.90067*	236.376442	<.001	2792.66726	4685.13408
	6.20	1661.26900*	236.376442	<.001	715.03559	2607.50241
	6.30	-375.40300	236.376442	1.000	-1321.63641	570.83041
	7.10	3738.90067*	236.376442	<.001	2792.66726	4685.13408
	7.20	1661.26900*	236.376442	<.001	715.03559	2607.50241
	7.30	-375.40300	236.376442	1.000	-1321.63641	570.83041
	8.10	3889.28867*	236.376442	<.001	2943.05526	4835.52208
	8.20	1818.73500*	236.376442	<.001	872.50159	2764.96841
	8.30	-217.75833	236.376442	1.000	-1163.99174	728.47508
	9.10	3766.33100*	236.376442	<.001	2820.09759	4712.56441
	9.20	1679.50767*	236.376442	<.001	733.27426	2625.74108
	9.30	-501.61433	236.376442	.969	-1447.84774	444.61908
	10.10	3813.67933*	236.376442	<.001	2867.44592	4759.91274
	10.20	1669.77867*	236.376442	<.001	723.54526	2616.01208

	10.30	-375.40300	236.376442	1.000	-1321.63641	570.83041
	11.10	3813.67933*	236.376442	<.001	2867.44592	4759.91274
	11.20	1661.26900*	236.376442	<.001	715.03559	2607.50241
	11.30	-375.40300	236.376442	1.000	-1321.63641	570.83041
	12.10	3656.18500*	236.376442	<.001	2709.95159	4602.41841
	12.20	1661.26900*	236.376442	<.001	715.03559	2607.50241
	12.30	-375.40300	236.376442	1.000	-1321.63641	570.83041
4.10	**1.10**	286.11500	236.376442	1.000	-660.11841	1232.34841
	1.20	-1933.01333*	236.376442	<.001	-2879.24674	-986.77992
	1.30	-4104.40633*	236.376442	<.001	-5050.63974	-3158.17292
	2.10	163.53900	236.376442	1.000	-782.69441	1109.77241
	2.20	-1941.52300*	236.376442	<.001	-2887.75641	-995.28959
	2.30	-4104.40633*	236.376442	<.001	-5050.63974	-3158.17292
	3.10	286.11500	236.376442	1.000	-660.11841	1232.34841
	3.20	-1923.28433*	236.376442	<.001	-2869.51774	-977.05092
	3.30	-3602.79200*	236.376442	<.001	-4549.02541	-2656.55859
	4.20	-1933.01333*	236.376442	<.001	-2879.24674	-986.77992
	4.30	-3669.70033*	236.376442	<.001	-4615.93374	-2723.46692
	5.10	286.11500	236.376442	1.000	-660.11841	1232.34841
	5.20	-1949.05333*	236.376442	<.001	-2895.28674	-1002.81992
	5.30	-3914.16700*	236.376442	<.001	-4860.40041	-2967.93359
	6.10	136.10867	236.376442	1.000	-810.12474	1082.34208
	6.20	-1941.52300*	236.376442	<.001	-2887.75641	-995.28959
	6.30	-3978.19500*	236.376442	<.001	-4924.42841	-3031.96159
	7.10	136.10867	236.376442	1.000	-810.12474	1082.34208
	7.20	-1941.52300*	236.376442	<.001	-2887.75641	-995.28959
	7.30	-3978.19500*	236.376442	<.001	-4924.42841	-3031.96159
	8.10	286.49667	236.376442	1.000	-659.73674	1232.73008
	8.20	-1784.05700*	236.376442	<.001	-2730.29041	-837.82359
	8.30	-3820.55033*	236.376442	<.001	-4766.78374	-2874.31692
	9.10	163.53900	236.376442	1.000	-782.69441	1109.77241
	9.20	-1923.28433*	236.376442	<.001	-2869.51774	-977.05092
	9.30	-4104.40633*	236.376442	<.001	-5050.63974	-3158.17292
	10.10	210.88733	236.376442	1.000	-735.34608	1157.12074
	10.20	-1933.01333*	236.376442	<.001	-2879.24674	-986.77992
	10.30	-3978.19500*	236.376442	<.001	-4924.42841	-3031.96159
	11.10	210.88733	236.376442	1.000	-735.34608	1157.12074
	11.20	-1941.52300*	236.376442	<.001	-2887.75641	-995.28959
	11.30	-3978.19500*	236.376442	<.001	-4924.42841	-3031.96159
	12.10	53.39300	236.376442	1.000	-892.84041	999.62641
	12.20	-1941.52300*	236.376442	<.001	-2887.75641	-995.28959

	12.30	-3978.19500*	236.376442	<.001	-4924.42841	-3031.96159
4.20	1.10	2219.12833*	236.376442	<.001	1272.89492	3165.36174
	1.20	.00000	236.376442	1.000	-946.23341	946.23341
	1.30	-2171.39300*	236.376442	<.001	-3117.62641	-1225.15959
	2.10	2096.55233*	236.376442	<.001	1150.31892	3042.78574
	2.20	-8.50967	236.376442	1.000	-954.74308	937.72374
	2.30	-2171.39300*	236.376442	<.001	-3117.62641	-1225.15959
	3.10	2219.12833*	236.376442	<.001	1272.89492	3165.36174
	3.20	9.72900	236.376442	1.000	-936.50441	955.96241
	3.30	-1669.77867*	236.376442	<.001	-2616.01208	-723.54526
	4.10	1933.01333*	236.376442	<.001	986.77992	2879.24674
	4.30	-1736.68700*	236.376442	<.001	-2682.92041	-790.45359
	5.10	2219.12833*	236.376442	<.001	1272.89492	3165.36174
	5.20	-16.04000	236.376442	1.000	-962.27341	930.19341
	5.30	-1981.15367*	236.376442	<.001	-2927.38708	-1034.92026
	6.10	2069.12200*	236.376442	<.001	1122.88859	3015.35541
	6.20	-8.50967	236.376442	1.000	-954.74308	937.72374
	6.30	-2045.18167*	236.376442	<.001	-2991.41508	-1098.94826
	7.10	2069.12200*	236.376442	<.001	1122.88859	3015.35541
	7.20	-8.50967	236.376442	1.000	-954.74308	937.72374
	7.30	-2045.18167*	236.376442	<.001	-2991.41508	-1098.94826
	8.10	2219.51000*	236.376442	<.001	1273.27659	3165.74341
	8.20	148.95633	236.376442	1.000	-797.27708	1095.18974
	8.30	-1887.53700*	236.376442	<.001	-2833.77041	-941.30359
	9.10	2096.55233*	236.376442	<.001	1150.31892	3042.78574
	9.20	9.72900	236.376442	1.000	-936.50441	955.96241
	9.30	-2171.39300*	236.376442	<.001	-3117.62641	-1225.15959
	10.10	2143.90067*	236.376442	<.001	1197.66726	3090.13408
	10.20	.00000	236.376442	1.000	-946.23341	946.23341
	10.30	-2045.18167*	236.376442	<.001	-2991.41508	-1098.94826
	11.10	2143.90067*	236.376442	<.001	1197.66726	3090.13408
	11.20	-8.50967	236.376442	1.000	-954.74308	937.72374
	11.30	-2045.18167*	236.376442	<.001	-2991.41508	-1098.94826
	12.10	1986.40633*	236.376442	<.001	1040.17292	2932.63974
	12.20	-8.50967	236.376442	1.000	-954.74308	937.72374
	12.30	-2045.18167*	236.376442	<.001	-2991.41508	-1098.94826
4.30	1.10	3955.81533*	236.376442	<.001	3009.58192	4902.04874
	1.20	1736.68700*	236.376442	<.001	790.45359	2682.92041
	1.30	-434.70600	236.376442	.996	-1380.93941	511.52741
	2.10	3833.23933*	236.376442	<.001	2887.00592	4779.47274
	2.20	1728.17733*	236.376442	<.001	781.94392	2674.41074

	2.30	-434.70600	236.376442	.996	-1380.93941	511.52741
	3.10	3955.81533*	236.376442	<.001	3009.58192	4902.04874
	3.20	1746.41600*	236.376442	<.001	800.18259	2692.64941
	3.30	66.90833	236.376442	1.000	-879.32508	1013.14174
	4.10	3669.70033*	236.376442	<.001	2723.46692	4615.93374
	4.20	1736.68700*	236.376442	<.001	790.45359	2682.92041
	5.10	3955.81533*	236.376442	<.001	3009.58192	4902.04874
	5.20	1720.64700*	236.376442	<.001	774.41359	2666.88041
	5.30	-244.46667	236.376442	1.000	-1190.70008	701.76674
	6.10	3805.80900*	236.376442	<.001	2859.57559	4752.04241
	6.20	1728.17733*	236.376442	<.001	781.94392	2674.41074
	6.30	-308.49467	236.376442	1.000	-1254.72808	637.73874
	7.10	3805.80900*	236.376442	<.001	2859.57559	4752.04241
	7.20	1728.17733*	236.376442	<.001	781.94392	2674.41074
	7.30	-308.49467	236.376442	1.000	-1254.72808	637.73874
	8.10	3956.19700*	236.376442	<.001	3009.96359	4902.43041
	8.20	1885.64333*	236.376442	<.001	939.40992	2831.87674
	8.30	-150.85000	236.376442	1.000	-1097.08341	795.38341
	9.10	3833.23933*	236.376442	<.001	2887.00592	4779.47274
	9.20	1746.41600*	236.376442	<.001	800.18259	2692.64941
	9.30	-434.70600	236.376442	.996	-1380.93941	511.52741
	10.10	3880.58767*	236.376442	<.001	2934.35426	4826.82108
	10.20	1736.68700*	236.376442	<.001	790.45359	2682.92041
	10.30	-308.49467	236.376442	1.000	-1254.72808	637.73874
	11.10	3880.58767*	236.376442	<.001	2934.35426	4826.82108
	11.20	1728.17733*	236.376442	<.001	781.94392	2674.41074
	11.30	-308.49467	236.376442	1.000	-1254.72808	637.73874
	12.10	3723.09333*	236.376442	<.001	2776.85992	4669.32674
	12.20	1728.17733*	236.376442	<.001	781.94392	2674.41074
	12.30	-308.49467	236.376442	1.000	-1254.72808	637.73874
5.10	**1.10**	.00000	236.376442	1.000	-946.23341	946.23341
	1.20	-2219.12833*	236.376442	<.001	-3165.36174	-1272.89492
	1.30	-4390.52133*	236.376442	<.001	-5336.75474	-3444.28792
	2.10	-122.57600	236.376442	1.000	-1068.80941	823.65741
	2.20	-2227.63800*	236.376442	<.001	-3173.87141	-1281.40459
	2.30	-4390.52133*	236.376442	<.001	-5336.75474	-3444.28792
	3.10	.00000	236.376442	1.000	-946.23341	946.23341
	3.20	-2209.39933*	236.376442	<.001	-3155.63274	-1263.16592
	3.30	-3888.90700*	236.376442	<.001	-4835.14041	-2942.67359
	4.10	-286.11500	236.376442	1.000	-1232.34841	660.11841
	4.20	-2219.12833*	236.376442	<.001	-3165.36174	-1272.89492

	4.30	-3955.81533*	236.376442	<.001	-4902.04874	-3009.58192
	5.20	-2235.16833*	236.376442	<.001	-3181.40174	-1288.93492
	5.30	-4200.28200*	236.376442	<.001	-5146.51541	-3254.04859
	6.10	-150.00633	236.376442	1.000	-1096.23974	796.22708
	6.20	-2227.63800*	236.376442	<.001	-3173.87141	-1281.40459
	6.30	-4264.31000*	236.376442	<.001	-5210.54341	-3318.07659
	7.10	-150.00633	236.376442	1.000	-1096.23974	796.22708
	7.20	-2227.63800*	236.376442	<.001	-3173.87141	-1281.40459
	7.30	-4264.31000*	236.376442	<.001	-5210.54341	-3318.07659
	8.10	.38167	236.376442	1.000	-945.85174	946.61508
	8.20	-2070.17200*	236.376442	<.001	-3016.40541	-1123.93859
	8.30	-4106.66533*	236.376442	<.001	-5052.89874	-3160.43192
	9.10	-122.57600	236.376442	1.000	-1068.80941	823.65741
	9.20	-2209.39933*	236.376442	<.001	-3155.63274	-1263.16592
	9.30	-4390.52133*	236.376442	<.001	-5336.75474	-3444.28792
	10.10	-75.22767	236.376442	1.000	-1021.46108	871.00574
	10.20	-2219.12833*	236.376442	<.001	-3165.36174	-1272.89492
	10.30	-4264.31000*	236.376442	<.001	-5210.54341	-3318.07659
	11.10	-75.22767	236.376442	1.000	-1021.46108	871.00574
	11.20	-2227.63800*	236.376442	<.001	-3173.87141	-1281.40459
	11.30	-4264.31000*	236.376442	<.001	-5210.54341	-3318.07659
	12.10	-232.72200	236.376442	1.000	-1178.95541	713.51141
	12.20	-2227.63800*	236.376442	<.001	-3173.87141	-1281.40459
	12.30	-4264.31000*	236.376442	<.001	-5210.54341	-3318.07659
5.20	**1.10**	2235.16833*	236.376442	<.001	1288.93492	3181.40174
	1.20	16.04000	236.376442	1.000	-930.19341	962.27341
	1.30	-2155.35300*	236.376442	<.001	-3101.58641	-1209.11959
	2.10	2112.59233*	236.376442	<.001	1166.35892	3058.82574
	2.20	7.53033	236.376442	1.000	-938.70308	953.76374
	2.30	-2155.35300*	236.376442	<.001	-3101.58641	-1209.11959
	3.10	2235.16833*	236.376442	<.001	1288.93492	3181.40174
	3.20	25.76900	236.376442	1.000	-920.46441	972.00241
	3.30	-1653.73867*	236.376442	<.001	-2599.97208	-707.50526
	4.10	1949.05333*	236.376442	<.001	1002.81992	2895.28674
	4.20	16.04000	236.376442	1.000	-930.19341	962.27341
	4.30	-1720.64700*	236.376442	<.001	-2666.88041	-774.41359
	5.10	2235.16833*	236.376442	<.001	1288.93492	3181.40174
	5.30	-1965.11367*	236.376442	<.001	-2911.34708	-1018.88026
	6.10	2085.16200*	236.376442	<.001	1138.92859	3031.39541
	6.20	7.53033	236.376442	1.000	-938.70308	953.76374
	6.30	-2029.14167*	236.376442	<.001	-2975.37508	-1082.90826

	7.10	2085.16200*	236.376442	<.001	1138.92859	3031.39541
	7.20	7.53033	236.376442	1.000	-938.70308	953.76374
	7.30	-2029.14167*	236.376442	<.001	-2975.37508	-1082.90826
	8.10	2235.55000*	236.376442	<.001	1289.31659	3181.78341
	8.20	164.99633	236.376442	1.000	-781.23708	1111.22974
	8.30	-1871.49700*	236.376442	<.001	-2817.73041	-925.26359
	9.10	2112.59233*	236.376442	<.001	1166.35892	3058.82574
	9.20	25.76900	236.376442	1.000	-920.46441	972.00241
	9.30	-2155.35300*	236.376442	<.001	-3101.58641	-1209.11959
	10.10	2159.94067*	236.376442	<.001	1213.70726	3106.17408
	10.20	16.04000	236.376442	1.000	-930.19341	962.27341
	10.30	-2029.14167*	236.376442	<.001	-2975.37508	-1082.90826
	11.10	2159.94067*	236.376442	<.001	1213.70726	3106.17408
	11.20	7.53033	236.376442	1.000	-938.70308	953.76374
	11.30	-2029.14167*	236.376442	<.001	-2975.37508	-1082.90826
	12.10	2002.44633*	236.376442	<.001	1056.21292	2948.67974
	12.20	7.53033	236.376442	1.000	-938.70308	953.76374
	12.30	-2029.14167*	236.376442	<.001	-2975.37508	-1082.90826
5.30	**1.10**	4200.28200*	236.376442	<.001	3254.04859	5146.51541
	1.20	1981.15367*	236.376442	<.001	1034.92026	2927.38708
	1.30	-190.23933	236.376442	1.000	-1136.47274	755.99408
	2.10	4077.70600*	236.376442	<.001	3131.47259	5023.93941
	2.20	1972.64400*	236.376442	<.001	1026.41059	2918.87741
	2.30	-190.23933	236.376442	1.000	-1136.47274	755.99408
	3.10	4200.28200*	236.376442	<.001	3254.04859	5146.51541
	3.20	1990.88267*	236.376442	<.001	1044.64926	2937.11608
	3.30	311.37500	236.376442	1.000	-634.85841	1257.60841
	4.10	3914.16700*	236.376442	<.001	2967.93359	4860.40041
	4.20	1981.15367*	236.376442	<.001	1034.92026	2927.38708
	4.30	244.46667	236.376442	1.000	-701.76674	1190.70008
	5.10	4200.28200*	236.376442	<.001	3254.04859	5146.51541
	5.20	1965.11367*	236.376442	<.001	1018.88026	2911.34708
	6.10	4050.27567*	236.376442	<.001	3104.04226	4996.50908
	6.20	1972.64400*	236.376442	<.001	1026.41059	2918.87741
	6.30	-64.02800	236.376442	1.000	-1010.26141	882.20541
	7.10	4050.27567*	236.376442	<.001	3104.04226	4996.50908
	7.20	1972.64400*	236.376442	<.001	1026.41059	2918.87741
	7.30	-64.02800	236.376442	1.000	-1010.26141	882.20541
	8.10	4200.66367*	236.376442	<.001	3254.43026	5146.89708
	8.20	2130.11000*	236.376442	<.001	1183.87659	3076.34341
	8.30	93.61667	236.376442	1.000	-852.61674	1039.85008

	9.10	4077.70600*	236.376442	<.001	3131.47259	5023.93941
	9.20	1990.88267*	236.376442	<.001	1044.64926	2937.11608
	9.30	-190.23933	236.376442	1.000	-1136.47274	755.99408
	10.10	4125.05433*	236.376442	<.001	3178.82092	5071.28774
	10.20	1981.15367*	236.376442	<.001	1034.92026	2927.38708
	10.30	-64.02800	236.376442	1.000	-1010.26141	882.20541
	11.10	4125.05433*	236.376442	<.001	3178.82092	5071.28774
	11.20	1972.64400*	236.376442	<.001	1026.41059	2918.87741
	11.30	-64.02800	236.376442	1.000	-1010.26141	882.20541
	12.10	3967.56000*	236.376442	<.001	3021.32659	4913.79341
	12.20	1972.64400*	236.376442	<.001	1026.41059	2918.87741
	12.30	-64.02800	236.376442	1.000	-1010.26141	882.20541
6.10	**1.10**	150.00633	236.376442	1.000	-796.22708	1096.23974
	1.20	-2069.12200*	236.376442	<.001	-3015.35541	-1122.88859
	1.30	-4240.51500*	236.376442	<.001	-5186.74841	-3294.28159
	2.10	27.43033	236.376442	1.000	-918.80308	973.66374
	2.20	-2077.63167*	236.376442	<.001	-3023.86508	-1131.39826
	2.30	-4240.51500*	236.376442	<.001	-5186.74841	-3294.28159
	3.10	150.00633	236.376442	1.000	-796.22708	1096.23974
	3.20	-2059.39300*	236.376442	<.001	-3005.62641	-1113.15959
	3.30	-3738.90067*	236.376442	<.001	-4685.13408	-2792.66726
	4.10	-136.10867	236.376442	1.000	-1082.34208	810.12474
	4.20	-2069.12200*	236.376442	<.001	-3015.35541	-1122.88859
	4.30	-3805.80900*	236.376442	<.001	-4752.04241	-2859.57559
	5.10	150.00633	236.376442	1.000	-796.22708	1096.23974
	5.20	-2085.16200*	236.376442	<.001	-3031.39541	-1138.92859
	5.30	-4050.27567*	236.376442	<.001	-4996.50908	-3104.04226
	6.20	-2077.63167*	236.376442	<.001	-3023.86508	-1131.39826
	6.30	-4114.30367*	236.376442	<.001	-5060.53708	-3168.07026
	7.10	.00000	236.376442	1.000	-946.23341	946.23341
	7.20	-2077.63167*	236.376442	<.001	-3023.86508	-1131.39826
	7.30	-4114.30367*	236.376442	<.001	-5060.53708	-3168.07026
	8.10	150.38800	236.376442	1.000	-795.84541	1096.62141
	8.20	-1920.16567*	236.376442	<.001	-2866.39908	-973.93226
	8.30	-3956.65900*	236.376442	<.001	-4902.89241	-3010.42559
	9.10	27.43033	236.376442	1.000	-918.80308	973.66374
	9.20	-2059.39300*	236.376442	<.001	-3005.62641	-1113.15959
	9.30	-4240.51500*	236.376442	<.001	-5186.74841	-3294.28159
	10.10	74.77867	236.376442	1.000	-871.45474	1021.01208
	10.20	-2069.12200*	236.376442	<.001	-3015.35541	-1122.88859
	10.30	-4114.30367*	236.376442	<.001	-5060.53708	-3168.07026

	11.10	74.77867	236.376442	1.000	-871.45474	1021.01208
	11.20	-2077.63167*	236.376442	<.001	-3023.86508	-1131.39826
	11.30	-4114.30367*	236.376442	<.001	-5060.53708	-3168.07026
	12.10	-82.71567	236.376442	1.000	-1028.94908	863.51774
	12.20	-2077.63167*	236.376442	<.001	-3023.86508	-1131.39826
	12.30	-4114.30367*	236.376442	<.001	-5060.53708	-3168.07026
6.20	**1.10**	2227.63800*	236.376442	<.001	1281.40459	3173.87141
	1.20	8.50967	236.376442	1.000	-937.72374	954.74308
	1.30	-2162.88333*	236.376442	<.001	-3109.11674	-1216.64992
	2.10	2105.06200*	236.376442	<.001	1158.82859	3051.29541
	2.20	.00000	236.376442	1.000	-946.23341	946.23341
	2.30	-2162.88333*	236.376442	<.001	-3109.11674	-1216.64992
	3.10	2227.63800*	236.376442	<.001	1281.40459	3173.87141
	3.20	18.23867	236.376442	1.000	-927.99474	964.47208
	3.30	-1661.26900*	236.376442	<.001	-2607.50241	-715.03559
	4.10	1941.52300*	236.376442	<.001	995.28959	2887.75641
	4.20	8.50967	236.376442	1.000	-937.72374	954.74308
	4.30	-1728.17733*	236.376442	<.001	-2674.41074	-781.94392
	5.10	2227.63800*	236.376442	<.001	1281.40459	3173.87141
	5.20	-7.53033	236.376442	1.000	-953.76374	938.70308
	5.30	-1972.64400*	236.376442	<.001	-2918.87741	-1026.41059
	6.10	2077.63167*	236.376442	<.001	1131.39826	3023.86508
	6.30	-2036.67200*	236.376442	<.001	-2982.90541	-1090.43859
	7.10	2077.63167*	236.376442	<.001	1131.39826	3023.86508
	7.20	.00000	236.376442	1.000	-946.23341	946.23341
	7.30	-2036.67200*	236.376442	<.001	-2982.90541	-1090.43859
	8.10	2228.01967*	236.376442	<.001	1281.78626	3174.25308
	8.20	157.46600	236.376442	1.000	-788.76741	1103.69941
	8.30	-1879.02733*	236.376442	<.001	-2825.26074	-932.79392
	9.10	2105.06200*	236.376442	<.001	1158.82859	3051.29541
	9.20	18.23867	236.376442	1.000	-927.99474	964.47208
	9.30	-2162.88333*	236.376442	<.001	-3109.11674	-1216.64992
	10.10	2152.41033*	236.376442	<.001	1206.17692	3098.64374
	10.20	8.50967	236.376442	1.000	-937.72374	954.74308
	10.30	-2036.67200*	236.376442	<.001	-2982.90541	-1090.43859
	11.10	2152.41033*	236.376442	<.001	1206.17692	3098.64374
	11.20	.00000	236.376442	1.000	-946.23341	946.23341
	11.30	-2036.67200*	236.376442	<.001	-2982.90541	-1090.43859
	12.10	1994.91600*	236.376442	<.001	1048.68259	2941.14941
	12.20	.00000	236.376442	1.000	-946.23341	946.23341
	12.30	-2036.67200*	236.376442	<.001	-2982.90541	-1090.43859

6.30	**1.10**	4264.31000*	236.376442	<.001	3318.07659	5210.54341
	1.20	2045.18167*	236.376442	<.001	1098.94826	2991.41508
	1.30	-126.21133	236.376442	1.000	-1072.44474	820.02208
	2.10	4141.73400*	236.376442	<.001	3195.50059	5087.96741
	2.20	2036.67200*	236.376442	<.001	1090.43859	2982.90541
	2.30	-126.21133	236.376442	1.000	-1072.44474	820.02208
	3.10	4264.31000*	236.376442	<.001	3318.07659	5210.54341
	3.20	2054.91067*	236.376442	<.001	1108.67726	3001.14408
	3.30	375.40300	236.376442	1.000	-570.83041	1321.63641
	4.10	3978.19500*	236.376442	<.001	3031.96159	4924.42841
	4.20	2045.18167*	236.376442	<.001	1098.94826	2991.41508
	4.30	308.49467	236.376442	1.000	-637.73874	1254.72808
	5.10	4264.31000*	236.376442	<.001	3318.07659	5210.54341
	5.20	2029.14167*	236.376442	<.001	1082.90826	2975.37508
	5.30	64.02800	236.376442	1.000	-882.20541	1010.26141
	6.10	4114.30367*	236.376442	<.001	3168.07026	5060.53708
	6.20	2036.67200*	236.376442	<.001	1090.43859	2982.90541
	7.10	4114.30367*	236.376442	<.001	3168.07026	5060.53708
	7.20	2036.67200*	236.376442	<.001	1090.43859	2982.90541
	7.30	.00000	236.376442	1.000	-946.23341	946.23341
	8.10	4264.69167*	236.376442	<.001	3318.45826	5210.92508
	8.20	2194.13800*	236.376442	<.001	1247.90459	3140.37141
	8.30	157.64467	236.376442	1.000	-788.58874	1103.87808
	9.10	4141.73400*	236.376442	<.001	3195.50059	5087.96741
	9.20	2054.91067*	236.376442	<.001	1108.67726	3001.14408
	9.30	-126.21133	236.376442	1.000	-1072.44474	820.02208
	10.10	4189.08233*	236.376442	<.001	3242.84892	5135.31574
	10.20	2045.18167*	236.376442	<.001	1098.94826	2991.41508
	10.30	.00000	236.376442	1.000	-946.23341	946.23341
	11.10	4189.08233*	236.376442	<.001	3242.84892	5135.31574
	11.20	2036.67200*	236.376442	<.001	1090.43859	2982.90541
	11.30	.00000	236.376442	1.000	-946.23341	946.23341
	12.10	4031.58800*	236.376442	<.001	3085.35459	4977.82141
	12.20	2036.67200*	236.376442	<.001	1090.43859	2982.90541
	12.30	.00000	236.376442	1.000	-946.23341	946.23341
7.10	**1.10**	150.00633	236.376442	1.000	-796.22708	1096.23974
	1.20	-2069.12200*	236.376442	<.001	-3015.35541	-1122.88859
	1.30	-4240.51500*	236.376442	<.001	-5186.74841	-3294.28159
	2.10	27.43033	236.376442	1.000	-918.80308	973.66374
	2.20	-2077.63167*	236.376442	<.001	-3023.86508	-1131.39826
	2.30	-4240.51500*	236.376442	<.001	-5186.74841	-3294.28159

	3.10	150.00633	236.376442	1.000	-796.22708	1096.23974
	3.20	-2059.39300*	236.376442	<.001	-3005.62641	-1113.15959
	3.30	-3738.90067*	236.376442	<.001	-4685.13408	-2792.66726
	4.10	-136.10867	236.376442	1.000	-1082.34208	810.12474
	4.20	-2069.12200*	236.376442	<.001	-3015.35541	-1122.88859
	4.30	-3805.80900*	236.376442	<.001	-4752.04241	-2859.57559
	5.10	150.00633	236.376442	1.000	-796.22708	1096.23974
	5.20	-2085.16200*	236.376442	<.001	-3031.39541	-1138.92859
	5.30	-4050.27567*	236.376442	<.001	-4996.50908	-3104.04226
	6.10	.00000	236.376442	1.000	-946.23341	946.23341
	6.20	-2077.63167*	236.376442	<.001	-3023.86508	-1131.39826
	6.30	-4114.30367*	236.376442	<.001	-5060.53708	-3168.07026
	7.20	-2077.63167*	236.376442	<.001	-3023.86508	-1131.39826
	7.30	-4114.30367*	236.376442	<.001	-5060.53708	-3168.07026
	8.10	150.38800	236.376442	1.000	-795.84541	1096.62141
	8.20	-1920.16567*	236.376442	<.001	-2866.39908	-973.93226
	8.30	-3956.65900*	236.376442	<.001	-4902.89241	-3010.42559
	9.10	27.43033	236.376442	1.000	-918.80308	973.66374
	9.20	-2059.39300*	236.376442	<.001	-3005.62641	-1113.15959
	9.30	-4240.51500*	236.376442	<.001	-5186.74841	-3294.28159
	10.10	74.77867	236.376442	1.000	-871.45474	1021.01208
	10.20	-2069.12200*	236.376442	<.001	-3015.35541	-1122.88859
	10.30	-4114.30367*	236.376442	<.001	-5060.53708	-3168.07026
	11.10	74.77867	236.376442	1.000	-871.45474	1021.01208
	11.20	-2077.63167*	236.376442	<.001	-3023.86508	-1131.39826
	11.30	-4114.30367*	236.376442	<.001	-5060.53708	-3168.07026
	12.10	-82.71567	236.376442	1.000	-1028.94908	863.51774
	12.20	-2077.63167*	236.376442	<.001	-3023.86508	-1131.39826
	12.30	-4114.30367*	236.376442	<.001	-5060.53708	-3168.07026
7.20	**1.10**	2227.63800*	236.376442	<.001	1281.40459	3173.87141
	1.20	8.50967	236.376442	1.000	-937.72374	954.74308
	1.30	-2162.88333*	236.376442	<.001	-3109.11674	-1216.64992
	2.10	2105.06200*	236.376442	<.001	1158.82859	3051.29541
	2.20	.00000	236.376442	1.000	-946.23341	946.23341
	2.30	-2162.88333*	236.376442	<.001	-3109.11674	-1216.64992
	3.10	2227.63800*	236.376442	<.001	1281.40459	3173.87141
	3.20	18.23867	236.376442	1.000	-927.99474	964.47208
	3.30	-1661.26900*	236.376442	<.001	-2607.50241	-715.03559
	4.10	1941.52300*	236.376442	<.001	995.28959	2887.75641
	4.20	8.50967	236.376442	1.000	-937.72374	954.74308
	4.30	-1728.17733*	236.376442	<.001	-2674.41074	-781.94392

	5.10	2227.63800*	236.376442	<.001	1281.40459	3173.87141
	5.20	-7.53033	236.376442	1.000	-953.76374	938.70308
	5.30	-1972.64400*	236.376442	<.001	-2918.87741	-1026.41059
	6.10	2077.63167*	236.376442	<.001	1131.39826	3023.86508
	6.20	.00000	236.376442	1.000	-946.23341	946.23341
	6.30	-2036.67200*	236.376442	<.001	-2982.90541	-1090.43859
	7.10	2077.63167*	236.376442	<.001	1131.39826	3023.86508
	7.30	-2036.67200*	236.376442	<.001	-2982.90541	-1090.43859
	8.10	2228.01967*	236.376442	<.001	1281.78626	3174.25308
	8.20	157.46600	236.376442	1.000	-788.76741	1103.69941
	8.30	-1879.02733*	236.376442	<.001	-2825.26074	-932.79392
	9.10	2105.06200*	236.376442	<.001	1158.82859	3051.29541
	9.20	18.23867	236.376442	1.000	-927.99474	964.47208
	9.30	-2162.88333*	236.376442	<.001	-3109.11674	-1216.64992
	10.10	2152.41033*	236.376442	<.001	1206.17692	3098.64374
	10.20	8.50967	236.376442	1.000	-937.72374	954.74308
	10.30	-2036.67200*	236.376442	<.001	-2982.90541	-1090.43859
	11.10	2152.41033*	236.376442	<.001	1206.17692	3098.64374
	11.20	.00000	236.376442	1.000	-946.23341	946.23341
	11.30	-2036.67200*	236.376442	<.001	-2982.90541	-1090.43859
	12.10	1994.91600*	236.376442	<.001	1048.68259	2941.14941
	12.20	.00000	236.376442	1.000	-946.23341	946.23341
	12.30	-2036.67200*	236.376442	<.001	-2982.90541	-1090.43859
7.30	**1.10**	4264.31000*	236.376442	<.001	3318.07659	5210.54341
	1.20	2045.18167*	236.376442	<.001	1098.94826	2991.41508
	1.30	-126.21133	236.376442	1.000	-1072.44474	820.02208
	2.10	4141.73400*	236.376442	<.001	3195.50059	5087.96741
	2.20	2036.67200*	236.376442	<.001	1090.43859	2982.90541
	2.30	-126.21133	236.376442	1.000	-1072.44474	820.02208
	3.10	4264.31000*	236.376442	<.001	3318.07659	5210.54341
	3.20	2054.91067*	236.376442	<.001	1108.67726	3001.14408
	3.30	375.40300	236.376442	1.000	-570.83041	1321.63641
	4.10	3978.19500*	236.376442	<.001	3031.96159	4924.42841
	4.20	2045.18167*	236.376442	<.001	1098.94826	2991.41508
	4.30	308.49467	236.376442	1.000	-637.73874	1254.72808
	5.10	4264.31000*	236.376442	<.001	3318.07659	5210.54341
	5.20	2029.14167*	236.376442	<.001	1082.90826	2975.37508
	5.30	64.02800	236.376442	1.000	-882.20541	1010.26141
	6.10	4114.30367*	236.376442	<.001	3168.07026	5060.53708
	6.20	2036.67200*	236.376442	<.001	1090.43859	2982.90541
	6.30	.00000	236.376442	1.000	-946.23341	946.23341

	7.10	4114.30367*	236.376442	<.001	3168.07026	5060.53708
	7.20	2036.67200*	236.376442	<.001	1090.43859	2982.90541
	8.10	4264.69167*	236.376442	<.001	3318.45826	5210.92508
	8.20	2194.13800*	236.376442	<.001	1247.90459	3140.37141
	8.30	157.64467	236.376442	1.000	-788.58874	1103.87808
	9.10	4141.73400*	236.376442	<.001	3195.50059	5087.96741
	9.20	2054.91067*	236.376442	<.001	1108.67726	3001.14408
	9.30	-126.21133	236.376442	1.000	-1072.44474	820.02208
	10.10	4189.08233*	236.376442	<.001	3242.84892	5135.31574
	10.20	2045.18167*	236.376442	<.001	1098.94826	2991.41508
	10.30	.00000	236.376442	1.000	-946.23341	946.23341
	11.10	4189.08233*	236.376442	<.001	3242.84892	5135.31574
	11.20	2036.67200*	236.376442	<.001	1090.43859	2982.90541
	11.30	.00000	236.376442	1.000	-946.23341	946.23341
	12.10	4031.58800*	236.376442	<.001	3085.35459	4977.82141
	12.20	2036.67200*	236.376442	<.001	1090.43859	2982.90541
	12.30	.00000	236.376442	1.000	-946.23341	946.23341
8.10	**1.10**	-.38167	236.376442	1.000	-946.61508	945.85174
	1.20	-2219.51000*	236.376442	<.001	-3165.74341	-1273.27659
	1.30	-4390.90300*	236.376442	<.001	-5337.13641	-3444.66959
	2.10	-122.95767	236.376442	1.000	-1069.19108	823.27574
	2.20	-2228.01967*	236.376442	<.001	-3174.25308	-1281.78626
	2.30	-4390.90300*	236.376442	<.001	-5337.13641	-3444.66959
	3.10	-.38167	236.376442	1.000	-946.61508	945.85174
	3.20	-2209.78100*	236.376442	<.001	-3156.01441	-1263.54759
	3.30	-3889.28867*	236.376442	<.001	-4835.52208	-2943.05526
	4.10	-286.49667	236.376442	1.000	-1232.73008	659.73674
	4.20	-2219.51000*	236.376442	<.001	-3165.74341	-1273.27659
	4.30	-3956.19700*	236.376442	<.001	-4902.43041	-3009.96359
	5.10	-.38167	236.376442	1.000	-946.61508	945.85174
	5.20	-2235.55000*	236.376442	<.001	-3181.78341	-1289.31659
	5.30	-4200.66367*	236.376442	<.001	-5146.89708	-3254.43026
	6.10	-150.38800	236.376442	1.000	-1096.62141	795.84541
	6.20	-2228.01967*	236.376442	<.001	-3174.25308	-1281.78626
	6.30	-4264.69167*	236.376442	<.001	-5210.92508	-3318.45826
	7.10	-150.38800	236.376442	1.000	-1096.62141	795.84541
	7.20	-2228.01967*	236.376442	<.001	-3174.25308	-1281.78626
	7.30	-4264.69167*	236.376442	<.001	-5210.92508	-3318.45826
	8.20	-2070.55367*	236.376442	<.001	-3016.78708	-1124.32026
	8.30	-4107.04700*	236.376442	<.001	-5053.28041	-3160.81359

	9.10	-122.95767	236.376442	1.000	-1069.19108	823.27574
	9.20	-2209.78100*	236.376442	<.001	-3156.01441	-1263.54759
	9.30	-4390.90300*	236.376442	<.001	-5337.13641	-3444.66959
	10.10	-75.60933	236.376442	1.000	-1021.84274	870.62408
	10.20	-2219.51000*	236.376442	<.001	-3165.74341	-1273.27659
	10.30	-4264.69167*	236.376442	<.001	-5210.92508	-3318.45826
	11.10	-75.60933	236.376442	1.000	-1021.84274	870.62408
	11.20	-2228.01967*	236.376442	<.001	-3174.25308	-1281.78626
	11.30	-4264.69167*	236.376442	<.001	-5210.92508	-3318.45826
	12.10	-233.10367	236.376442	1.000	-1179.33708	713.12974
	12.20	-2228.01967*	236.376442	<.001	-3174.25308	-1281.78626
	12.30	-4264.69167*	236.376442	<.001	-5210.92508	-3318.45826
8.20	**1.10**	2070.17200*	236.376442	<.001	1123.93859	3016.40541
	1.20	-148.95633	236.376442	1.000	-1095.18974	797.27708
	1.30	-2320.34933*	236.376442	<.001	-3266.58274	-1374.11592
	2.10	1947.59600*	236.376442	<.001	1001.36259	2893.82941
	2.20	-157.46600	236.376442	1.000	-1103.69941	788.76741
	2.30	-2320.34933*	236.376442	<.001	-3266.58274	-1374.11592
	3.10	2070.17200*	236.376442	<.001	1123.93859	3016.40541
	3.20	-139.22733	236.376442	1.000	-1085.46074	807.00608
	3.30	-1818.73500*	236.376442	<.001	-2764.96841	-872.50159
	4.10	1784.05700*	236.376442	<.001	837.82359	2730.29041
	4.20	-148.95633	236.376442	1.000	-1095.18974	797.27708
	4.30	-1885.64333*	236.376442	<.001	-2831.87674	-939.40992
	5.10	2070.17200*	236.376442	<.001	1123.93859	3016.40541
	5.20	-164.99633	236.376442	1.000	-1111.22974	781.23708
	5.30	-2130.11000*	236.376442	<.001	-3076.34341	-1183.87659
	6.10	1920.16567*	236.376442	<.001	973.93226	2866.39908
	6.20	-157.46600	236.376442	1.000	-1103.69941	788.76741
	6.30	-2194.13800*	236.376442	<.001	-3140.37141	-1247.90459
	7.10	1920.16567*	236.376442	<.001	973.93226	2866.39908
	7.20	-157.46600	236.376442	1.000	-1103.69941	788.76741
	7.30	-2194.13800*	236.376442	<.001	-3140.37141	-1247.90459
	8.10	2070.55367*	236.376442	<.001	1124.32026	3016.78708
	8.30	-2036.49333*	236.376442	<.001	-2982.72674	-1090.25992
	9.10	1947.59600*	236.376442	<.001	1001.36259	2893.82941
	9.20	-139.22733	236.376442	1.000	-1085.46074	807.00608
	9.30	-2320.34933*	236.376442	<.001	-3266.58274	-1374.11592
	10.10	1994.94433*	236.376442	<.001	1048.71092	2941.17774
	10.20	-148.95633	236.376442	1.000	-1095.18974	797.27708
	10.30	-2194.13800*	236.376442	<.001	-3140.37141	-1247.90459

	11.10	1994.94433*	236.376442	<.001	1048.71092	2941.17774
	11.20	-157.46600	236.376442	1.000	-1103.69941	788.76741
	11.30	-2194.13800*	236.376442	<.001	-3140.37141	-1247.90459
	12.10	1837.45000*	236.376442	<.001	891.21659	2783.68341
	12.20	-157.46600	236.376442	1.000	-1103.69941	788.76741
	12.30	-2194.13800*	236.376442	<.001	-3140.37141	-1247.90459
8.30	**1.10**	4106.66533*	236.376442	<.001	3160.43192	5052.89874
	1.20	1887.53700*	236.376442	<.001	941.30359	2833.77041
	1.30	-283.85600	236.376442	1.000	-1230.08941	662.37741
	2.10	3984.08933*	236.376442	<.001	3037.85592	4930.32274
	2.20	1879.02733*	236.376442	<.001	932.79392	2825.26074
	2.30	-283.85600	236.376442	1.000	-1230.08941	662.37741
	3.10	4106.66533*	236.376442	<.001	3160.43192	5052.89874
	3.20	1897.26600*	236.376442	<.001	951.03259	2843.49941
	3.30	217.75833	236.376442	1.000	-728.47508	1163.99174
	4.10	3820.55033*	236.376442	<.001	2874.31692	4766.78374
	4.20	1887.53700*	236.376442	<.001	941.30359	2833.77041
	4.30	150.85000	236.376442	1.000	-795.38341	1097.08341
	5.10	4106.66533*	236.376442	<.001	3160.43192	5052.89874
	5.20	1871.49700*	236.376442	<.001	925.26359	2817.73041
	5.30	-93.61667	236.376442	1.000	-1039.85008	852.61674
	6.10	3956.65900*	236.376442	<.001	3010.42559	4902.89241
	6.20	1879.02733*	236.376442	<.001	932.79392	2825.26074
	6.30	-157.64467	236.376442	1.000	-1103.87808	788.58874
	7.10	3956.65900*	236.376442	<.001	3010.42559	4902.89241
	7.20	1879.02733*	236.376442	<.001	932.79392	2825.26074
	7.30	-157.64467	236.376442	1.000	-1103.87808	788.58874
	8.10	4107.04700*	236.376442	<.001	3160.81359	5053.28041
	8.20	2036.49333*	236.376442	<.001	1090.25992	2982.72674
	9.10	3984.08933*	236.376442	<.001	3037.85592	4930.32274
	9.20	1897.26600*	236.376442	<.001	951.03259	2843.49941
	9.30	-283.85600	236.376442	1.000	-1230.08941	662.37741
	10.10	4031.43767*	236.376442	<.001	3085.20426	4977.67108
	10.20	1887.53700*	236.376442	<.001	941.30359	2833.77041
	10.30	-157.64467	236.376442	1.000	-1103.87808	788.58874
	11.10	4031.43767*	236.376442	<.001	3085.20426	4977.67108
	11.20	1879.02733*	236.376442	<.001	932.79392	2825.26074
	11.30	-157.64467	236.376442	1.000	-1103.87808	788.58874
	12.10	3873.94333*	236.376442	<.001	2927.70992	4820.17674
	12.20	1879.02733*	236.376442	<.001	932.79392	2825.26074
	12.30	-157.64467	236.376442	1.000	-1103.87808	788.58874

9.10	**1.10**	122.57600	236.376442	1.000	-823.65741	1068.80941
	1.20	-2096.55233*	236.376442	<.001	-3042.78574	-1150.31892
	1.30	-4267.94533*	236.376442	<.001	-5214.17874	-3321.71192
	2.10	.00000	236.376442	1.000	-946.23341	946.23341
	2.20	-2105.06200*	236.376442	<.001	-3051.29541	-1158.82859
	2.30	-4267.94533*	236.376442	<.001	-5214.17874	-3321.71192
	3.10	122.57600	236.376442	1.000	-823.65741	1068.80941
	3.20	-2086.82333*	236.376442	<.001	-3033.05674	-1140.58992
	3.30	-3766.33100*	236.376442	<.001	-4712.56441	-2820.09759
	4.10	-163.53900	236.376442	1.000	-1109.77241	782.69441
	4.20	-2096.55233*	236.376442	<.001	-3042.78574	-1150.31892
	4.30	-3833.23933*	236.376442	<.001	-4779.47274	-2887.00592
	5.10	122.57600	236.376442	1.000	-823.65741	1068.80941
	5.20	-2112.59233*	236.376442	<.001	-3058.82574	-1166.35892
	5.30	-4077.70600*	236.376442	<.001	-5023.93941	-3131.47259
	6.10	-27.43033	236.376442	1.000	-973.66374	918.80308
	6.20	-2105.06200*	236.376442	<.001	-3051.29541	-1158.82859
	6.30	-4141.73400*	236.376442	<.001	-5087.96741	-3195.50059
	7.10	-27.43033	236.376442	1.000	-973.66374	918.80308
	7.20	-2105.06200*	236.376442	<.001	-3051.29541	-1158.82859
	7.30	-4141.73400*	236.376442	<.001	-5087.96741	-3195.50059
	8.10	122.95767	236.376442	1.000	-823.27574	1069.19108
	8.20	-1947.59600*	236.376442	<.001	-2893.82941	-1001.36259
	8.30	-3984.08933*	236.376442	<.001	-4930.32274	-3037.85592
	9.20	-2086.82333*	236.376442	<.001	-3033.05674	-1140.58992
	9.30	-4267.94533*	236.376442	<.001	-5214.17874	-3321.71192
	10.10	47.34833	236.376442	1.000	-898.88508	993.58174
	10.20	-2096.55233*	236.376442	<.001	-3042.78574	-1150.31892
	10.30	-4141.73400*	236.376442	<.001	-5087.96741	-3195.50059
	11.10	47.34833	236.376442	1.000	-898.88508	993.58174
	11.20	-2105.06200*	236.376442	<.001	-3051.29541	-1158.82859
	11.30	-4141.73400*	236.376442	<.001	-5087.96741	-3195.50059
	12.10	-110.14600	236.376442	1.000	-1056.37941	836.08741
	12.20	-2105.06200*	236.376442	<.001	-3051.29541	-1158.82859
	12.30	-4141.73400*	236.376442	<.001	-5087.96741	-3195.50059
9.20	**1.10**	2209.39933*	236.376442	<.001	1263.16592	3155.63274
	1.20	-9.72900	236.376442	1.000	-955.96241	936.50441
	1.30	-2181.12200*	236.376442	<.001	-3127.35541	-1234.88859
	2.10	2086.82333*	236.376442	<.001	1140.58992	3033.05674
	2.20	-18.23867	236.376442	1.000	-964.47208	927.99474
	2.30	-2181.12200*	236.376442	<.001	-3127.35541	-1234.88859

	3.10	2209.39933*	236.376442	<.001	1263.16592	3155.63274
	3.20	.00000	236.376442	1.000	-946.23341	946.23341
	3.30	-1679.50767*	236.376442	<.001	-2625.74108	-733.27426
	4.10	1923.28433*	236.376442	<.001	977.05092	2869.51774
	4.20	-9.72900	236.376442	1.000	-955.96241	936.50441
	4.30	-1746.41600*	236.376442	<.001	-2692.64941	-800.18259
	5.10	2209.39933*	236.376442	<.001	1263.16592	3155.63274
	5.20	-25.76900	236.376442	1.000	-972.00241	920.46441
	5.30	-1990.88267*	236.376442	<.001	-2937.11608	-1044.64926
	6.10	2059.39300*	236.376442	<.001	1113.15959	3005.62641
	6.20	-18.23867	236.376442	1.000	-964.47208	927.99474
	6.30	-2054.91067*	236.376442	<.001	-3001.14408	-1108.67726
	7.10	2059.39300*	236.376442	<.001	1113.15959	3005.62641
	7.20	-18.23867	236.376442	1.000	-964.47208	927.99474
	7.30	-2054.91067*	236.376442	<.001	-3001.14408	-1108.67726
	8.10	2209.78100*	236.376442	<.001	1263.54759	3156.01441
	8.20	139.22733	236.376442	1.000	-807.00608	1085.46074
	8.30	-1897.26600*	236.376442	<.001	-2843.49941	-951.03259
	9.10	2086.82333*	236.376442	<.001	1140.58992	3033.05674
	9.30	-2181.12200*	236.376442	<.001	-3127.35541	-1234.88859
	10.10	2134.17167*	236.376442	<.001	1187.93826	3080.40508
	10.20	-9.72900	236.376442	1.000	-955.96241	936.50441
	10.30	-2054.91067*	236.376442	<.001	-3001.14408	-1108.67726
	11.10	2134.17167*	236.376442	<.001	1187.93826	3080.40508
	11.20	-18.23867	236.376442	1.000	-964.47208	927.99474
	11.30	-2054.91067*	236.376442	<.001	-3001.14408	-1108.67726
	12.10	1976.67733*	236.376442	<.001	1030.44392	2922.91074
	12.20	-18.23867	236.376442	1.000	-964.47208	927.99474
	12.30	-2054.91067*	236.376442	<.001	-3001.14408	-1108.67726
9.30	**1.10**	4390.52133*	236.376442	<.001	3444.28792	5336.75474
	1.20	2171.39300*	236.376442	<.001	1225.15959	3117.62641
	1.30	.00000	236.376442	1.000	-946.23341	946.23341
	2.10	4267.94533*	236.376442	<.001	3321.71192	5214.17874
	2.20	2162.88333*	236.376442	<.001	1216.64992	3109.11674
	2.30	.00000	236.376442	1.000	-946.23341	946.23341
	3.10	4390.52133*	236.376442	<.001	3444.28792	5336.75474
	3.20	2181.12200*	236.376442	<.001	1234.88859	3127.35541
	3.30	501.61433	236.376442	.969	-444.61908	1447.84774
	4.10	4104.40633*	236.376442	<.001	3158.17292	5050.63974
	4.20	2171.39300*	236.376442	<.001	1225.15959	3117.62641
	4.30	434.70600	236.376442	.996	-511.52741	1380.93941

	5.10	4390.52133*	236.376442	<.001	3444.28792	5336.75474
	5.20	2155.35300*	236.376442	<.001	1209.11959	3101.58641
	5.30	190.23933	236.376442	1.000	-755.99408	1136.47274
	6.10	4240.51500*	236.376442	<.001	3294.28159	5186.74841
	6.20	2162.88333*	236.376442	<.001	1216.64992	3109.11674
	6.30	126.21133	236.376442	1.000	-820.02208	1072.44474
	7.10	4240.51500*	236.376442	<.001	3294.28159	5186.74841
	7.20	2162.88333*	236.376442	<.001	1216.64992	3109.11674
	7.30	126.21133	236.376442	1.000	-820.02208	1072.44474
	8.10	4390.90300*	236.376442	<.001	3444.66959	5337.13641
	8.20	2320.34933*	236.376442	<.001	1374.11592	3266.58274
	8.30	283.85600	236.376442	1.000	-662.37741	1230.08941
	9.10	4267.94533*	236.376442	<.001	3321.71192	5214.17874
	9.20	2181.12200*	236.376442	<.001	1234.88859	3127.35541
	10.10	4315.29367*	236.376442	<.001	3369.06026	5261.52708
	10.20	2171.39300*	236.376442	<.001	1225.15959	3117.62641
	10.30	126.21133	236.376442	1.000	-820.02208	1072.44474
	11.10	4315.29367*	236.376442	<.001	3369.06026	5261.52708
	11.20	2162.88333*	236.376442	<.001	1216.64992	3109.11674
	11.30	126.21133	236.376442	1.000	-820.02208	1072.44474
	12.10	4157.79933*	236.376442	<.001	3211.56592	5104.03274
	12.20	2162.88333*	236.376442	<.001	1216.64992	3109.11674
	12.30	126.21133	236.376442	1.000	-820.02208	1072.44474
10.10	**1.10**	75.22767	236.376442	1.000	-871.00574	1021.46108
	1.20	-2143.90067*	236.376442	<.001	-3090.13408	-1197.66726
	1.30	-4315.29367*	236.376442	<.001	-5261.52708	-3369.06026
	2.10	-47.34833	236.376442	1.000	-993.58174	898.88508
	2.20	-2152.41033*	236.376442	<.001	-3098.64374	-1206.17692
	2.30	-4315.29367*	236.376442	<.001	-5261.52708	-3369.06026
	3.10	75.22767	236.376442	1.000	-871.00574	1021.46108
	3.20	-2134.17167*	236.376442	<.001	-3080.40508	-1187.93826
	3.30	-3813.67933*	236.376442	<.001	-4759.91274	-2867.44592
	4.10	-210.88733	236.376442	1.000	-1157.12074	735.34608
	4.20	-2143.90067*	236.376442	<.001	-3090.13408	-1197.66726
	4.30	-3880.58767*	236.376442	<.001	-4826.82108	-2934.35426
	5.10	75.22767	236.376442	1.000	-871.00574	1021.46108
	5.20	-2159.94067*	236.376442	<.001	-3106.17408	-1213.70726
	5.30	-4125.05433*	236.376442	<.001	-5071.28774	-3178.82092
	6.10	-74.77867	236.376442	1.000	-1021.01208	871.45474
	6.20	-2152.41033*	236.376442	<.001	-3098.64374	-1206.17692
	6.30	-4189.08233*	236.376442	<.001	-5135.31574	-3242.84892

	7.10	-74.77867	236.376442	1.000	-1021.01208	871.45474
	7.20	-2152.41033*	236.376442	<.001	-3098.64374	-1206.17692
	7.30	-4189.08233*	236.376442	<.001	-5135.31574	-3242.84892
	8.10	75.60933	236.376442	1.000	-870.62408	1021.84274
	8.20	-1994.94433*	236.376442	<.001	-2941.17774	-1048.71092
	8.30	-4031.43767*	236.376442	<.001	-4977.67108	-3085.20426
	9.10	-47.34833	236.376442	1.000	-993.58174	898.88508
	9.20	-2134.17167*	236.376442	<.001	-3080.40508	-1187.93826
	9.30	-4315.29367*	236.376442	<.001	-5261.52708	-3369.06026
	10.20	-2143.90067*	236.376442	<.001	-3090.13408	-1197.66726
	10.30	-4189.08233*	236.376442	<.001	-5135.31574	-3242.84892
	11.10	.00000	236.376442	1.000	-946.23341	946.23341
	11.20	-2152.41033*	236.376442	<.001	-3098.64374	-1206.17692
	11.30	-4189.08233*	236.376442	<.001	-5135.31574	-3242.84892
	12.10	-157.49433	236.376442	1.000	-1103.72774	788.73908
	12.20	-2152.41033*	236.376442	<.001	-3098.64374	-1206.17692
	12.30	-4189.08233*	236.376442	<.001	-5135.31574	-3242.84892
10.20	**1.10**	2219.12833*	236.376442	<.001	1272.89492	3165.36174
	1.20	.00000	236.376442	1.000	-946.23341	946.23341
	1.30	-2171.39300*	236.376442	<.001	-3117.62641	-1225.15959
	2.10	2096.55233*	236.376442	<.001	1150.31892	3042.78574
	2.20	-8.50967	236.376442	1.000	-954.74308	937.72374
	2.30	-2171.39300*	236.376442	<.001	-3117.62641	-1225.15959
	3.10	2219.12833*	236.376442	<.001	1272.89492	3165.36174
	3.20	9.72900	236.376442	1.000	-936.50441	955.96241
	3.30	-1669.77867*	236.376442	<.001	-2616.01208	-723.54526
	4.10	1933.01333*	236.376442	<.001	986.77992	2879.24674
	4.20	.00000	236.376442	1.000	-946.23341	946.23341
	4.30	-1736.68700*	236.376442	<.001	-2682.92041	-790.45359
	5.10	2219.12833*	236.376442	<.001	1272.89492	3165.36174
	5.20	-16.04000	236.376442	1.000	-962.27341	930.19341
	5.30	-1981.15367*	236.376442	<.001	-2927.38708	-1034.92026
	6.10	2069.12200*	236.376442	<.001	1122.88859	3015.35541
	6.20	-8.50967	236.376442	1.000	-954.74308	937.72374
	6.30	-2045.18167*	236.376442	<.001	-2991.41508	-1098.94826
	7.10	2069.12200*	236.376442	<.001	1122.88859	3015.35541
	7.20	-8.50967	236.376442	1.000	-954.74308	937.72374
	7.30	-2045.18167*	236.376442	<.001	-2991.41508	-1098.94826
	8.10	2219.51000*	236.376442	<.001	1273.27659	3165.74341
	8.20	148.95633	236.376442	1.000	-797.27708	1095.18974
	8.30	-1887.53700*	236.376442	<.001	-2833.77041	-941.30359

	9.10	2096.55233*	236.376442	<.001	1150.31892	3042.78574
	9.20	9.72900	236.376442	1.000	-936.50441	955.96241
	9.30	-2171.39300*	236.376442	<.001	-3117.62641	-1225.15959
	10.10	2143.90067*	236.376442	<.001	1197.66726	3090.13408
	10.30	-2045.18167*	236.376442	<.001	-2991.41508	-1098.94826
	11.10	2143.90067*	236.376442	<.001	1197.66726	3090.13408
	11.20	-8.50967	236.376442	1.000	-954.74308	937.72374
	11.30	-2045.18167*	236.376442	<.001	-2991.41508	-1098.94826
	12.10	1986.40633*	236.376442	<.001	1040.17292	2932.63974
	12.20	-8.50967	236.376442	1.000	-954.74308	937.72374
	12.30	-2045.18167*	236.376442	<.001	-2991.41508	-1098.94826
10.30	**1.10**	4264.31000*	236.376442	<.001	3318.07659	5210.54341
	1.20	2045.18167*	236.376442	<.001	1098.94826	2991.41508
	1.30	-126.21133	236.376442	1.000	-1072.44474	820.02208
	2.10	4141.73400*	236.376442	<.001	3195.50059	5087.96741
	2.20	2036.67200*	236.376442	<.001	1090.43859	2982.90541
	2.30	-126.21133	236.376442	1.000	-1072.44474	820.02208
	3.10	4264.31000*	236.376442	<.001	3318.07659	5210.54341
	3.20	2054.91067*	236.376442	<.001	1108.67726	3001.14408
	3.30	375.40300	236.376442	1.000	-570.83041	1321.63641
	4.10	3978.19500*	236.376442	<.001	3031.96159	4924.42841
	4.20	2045.18167*	236.376442	<.001	1098.94826	2991.41508
	4.30	308.49467	236.376442	1.000	-637.73874	1254.72808
	5.10	4264.31000*	236.376442	<.001	3318.07659	5210.54341
	5.20	2029.14167*	236.376442	<.001	1082.90826	2975.37508
	5.30	64.02800	236.376442	1.000	-882.20541	1010.26141
	6.10	4114.30367*	236.376442	<.001	3168.07026	5060.53708
	6.20	2036.67200*	236.376442	<.001	1090.43859	2982.90541
	6.30	.00000	236.376442	1.000	-946.23341	946.23341
	7.10	4114.30367*	236.376442	<.001	3168.07026	5060.53708
	7.20	2036.67200*	236.376442	<.001	1090.43859	2982.90541
	7.30	.00000	236.376442	1.000	-946.23341	946.23341
	8.10	4264.69167*	236.376442	<.001	3318.45826	5210.92508
	8.20	2194.13800*	236.376442	<.001	1247.90459	3140.37141
	8.30	157.64467	236.376442	1.000	-788.58874	1103.87808
	9.10	4141.73400*	236.376442	<.001	3195.50059	5087.96741
	9.20	2054.91067*	236.376442	<.001	1108.67726	3001.14408
	9.30	-126.21133	236.376442	1.000	-1072.44474	820.02208
	10.10	4189.08233*	236.376442	<.001	3242.84892	5135.31574
	10.20	2045.18167*	236.376442	<.001	1098.94826	2991.41508
	11.10	4189.08233*	236.376442	<.001	3242.84892	5135.31574

	11.20	2036.67200*	236.376442	<.001	1090.43859	2982.90541
	11.30	.00000	236.376442	1.000	-946.23341	946.23341
	12.10	4031.58800*	236.376442	<.001	3085.35459	4977.82141
	12.20	2036.67200*	236.376442	<.001	1090.43859	2982.90541
	12.30	.00000	236.376442	1.000	-946.23341	946.23341
11.10	**1.10**	75.22767	236.376442	1.000	-871.00574	1021.46108
	1.20	-2143.90067*	236.376442	<.001	-3090.13408	-1197.66726
	1.30	-4315.29367*	236.376442	<.001	-5261.52708	-3369.06026
	2.10	-47.34833	236.376442	1.000	-993.58174	898.88508
	2.20	-2152.41033*	236.376442	<.001	-3098.64374	-1206.17692
	2.30	-4315.29367*	236.376442	<.001	-5261.52708	-3369.06026
	3.10	75.22767	236.376442	1.000	-871.00574	1021.46108
	3.20	-2134.17167*	236.376442	<.001	-3080.40508	-1187.93826
	3.30	-3813.67933*	236.376442	<.001	-4759.91274	-2867.44592
	4.10	-210.88733	236.376442	1.000	-1157.12074	735.34608
	4.20	-2143.90067*	236.376442	<.001	-3090.13408	-1197.66726
	4.30	-3880.58767*	236.376442	<.001	-4826.82108	-2934.35426
	5.10	75.22767	236.376442	1.000	-871.00574	1021.46108
	5.20	-2159.94067*	236.376442	<.001	-3106.17408	-1213.70726
	5.30	-4125.05433*	236.376442	<.001	-5071.28774	-3178.82092
	6.10	-74.77867	236.376442	1.000	-1021.01208	871.45474
	6.20	-2152.41033*	236.376442	<.001	-3098.64374	-1206.17692
	6.30	-4189.08233*	236.376442	<.001	-5135.31574	-3242.84892
	7.10	-74.77867	236.376442	1.000	-1021.01208	871.45474
	7.20	-2152.41033*	236.376442	<.001	-3098.64374	-1206.17692
	7.30	-4189.08233*	236.376442	<.001	-5135.31574	-3242.84892
	8.10	75.60933	236.376442	1.000	-870.62408	1021.84274
	8.20	-1994.94433*	236.376442	<.001	-2941.17774	-1048.71092
	8.30	-4031.43767*	236.376442	<.001	-4977.67108	-3085.20426
	9.10	-47.34833	236.376442	1.000	-993.58174	898.88508
	9.20	-2134.17167*	236.376442	<.001	-3080.40508	-1187.93826
	9.30	-4315.29367*	236.376442	<.001	-5261.52708	-3369.06026
	10.10	.00000	236.376442	1.000	-946.23341	946.23341
	10.20	-2143.90067*	236.376442	<.001	-3090.13408	-1197.66726
	10.30	-4189.08233*	236.376442	<.001	-5135.31574	-3242.84892
	11.20	-2152.41033*	236.376442	<.001	-3098.64374	-1206.17692
	11.30	-4189.08233*	236.376442	<.001	-5135.31574	-3242.84892
	12.10	-157.49433	236.376442	1.000	-1103.72774	788.73908
	12.20	-2152.41033*	236.376442	<.001	-3098.64374	-1206.17692
	12.30	-4189.08233*	236.376442	<.001	-5135.31574	-3242.84892
11.20	**1.10**	2227.63800*	236.376442	<.001	1281.40459	3173.87141

	1.20	8.50967	236.376442	1.000	-937.72374	954.74308
	1.30	-2162.88333*	236.376442	<.001	-3109.11674	-1216.64992
	2.10	2105.06200*	236.376442	<.001	1158.82859	3051.29541
	2.20	.00000	236.376442	1.000	-946.23341	946.23341
	2.30	-2162.88333*	236.376442	<.001	-3109.11674	-1216.64992
	3.10	2227.63800*	236.376442	<.001	1281.40459	3173.87141
	3.20	18.23867	236.376442	1.000	-927.99474	964.47208
	3.30	-1661.26900*	236.376442	<.001	-2607.50241	-715.03559
	4.10	1941.52300*	236.376442	<.001	995.28959	2887.75641
	4.20	8.50967	236.376442	1.000	-937.72374	954.74308
	4.30	-1728.17733*	236.376442	<.001	-2674.41074	-781.94392
	5.10	2227.63800*	236.376442	<.001	1281.40459	3173.87141
	5.20	-7.53033	236.376442	1.000	-953.76374	938.70308
	5.30	-1972.64400*	236.376442	<.001	-2918.87741	-1026.41059
	6.10	2077.63167*	236.376442	<.001	1131.39826	3023.86508
	6.20	.00000	236.376442	1.000	-946.23341	946.23341
	6.30	-2036.67200*	236.376442	<.001	-2982.90541	-1090.43859
	7.10	2077.63167*	236.376442	<.001	1131.39826	3023.86508
	7.20	.00000	236.376442	1.000	-946.23341	946.23341
	7.30	-2036.67200*	236.376442	<.001	-2982.90541	-1090.43859
	8.10	2228.01967*	236.376442	<.001	1281.78626	3174.25308
	8.20	157.46600	236.376442	1.000	-788.76741	1103.69941
	8.30	-1879.02733*	236.376442	<.001	-2825.26074	-932.79392
	9.10	2105.06200*	236.376442	<.001	1158.82859	3051.29541
	9.20	18.23867	236.376442	1.000	-927.99474	964.47208
	9.30	-2162.88333*	236.376442	<.001	-3109.11674	-1216.64992
	10.10	2152.41033*	236.376442	<.001	1206.17692	3098.64374
	10.20	8.50967	236.376442	1.000	-937.72374	954.74308
	10.30	-2036.67200*	236.376442	<.001	-2982.90541	-1090.43859
	11.10	2152.41033*	236.376442	<.001	1206.17692	3098.64374
	11.30	-2036.67200*	236.376442	<.001	-2982.90541	-1090.43859
	12.10	1994.91600*	236.376442	<.001	1048.68259	2941.14941
	12.20	.00000	236.376442	1.000	-946.23341	946.23341
	12.30	-2036.67200*	236.376442	<.001	-2982.90541	-1090.43859
11.30	1.10	4264.31000*	236.376442	<.001	3318.07659	5210.54341
	1.20	2045.18167*	236.376442	<.001	1098.94826	2991.41508
	1.30	-126.21133	236.376442	1.000	-1072.44474	820.02208
	2.10	4141.73400*	236.376442	<.001	3195.50059	5087.96741
	2.20	2036.67200*	236.376442	<.001	1090.43859	2982.90541
	2.30	-126.21133	236.376442	1.000	-1072.44474	820.02208
	3.10	4264.31000*	236.376442	<.001	3318.07659	5210.54341

	3.20	2054.91067*	236.376442	<.001	1108.67726	3001.14408
	3.30	375.40300	236.376442	1.000	-570.83041	1321.63641
	4.10	3978.19500*	236.376442	<.001	3031.96159	4924.42841
	4.20	2045.18167*	236.376442	<.001	1098.94826	2991.41508
	4.30	308.49467	236.376442	1.000	-637.73874	1254.72808
	5.10	4264.31000*	236.376442	<.001	3318.07659	5210.54341
	5.20	2029.14167*	236.376442	<.001	1082.90826	2975.37508
	5.30	64.02800	236.376442	1.000	-882.20541	1010.26141
	6.10	4114.30367*	236.376442	<.001	3168.07026	5060.53708
	6.20	2036.67200*	236.376442	<.001	1090.43859	2982.90541
	6.30	.00000	236.376442	1.000	-946.23341	946.23341
	7.10	4114.30367*	236.376442	<.001	3168.07026	5060.53708
	7.20	2036.67200*	236.376442	<.001	1090.43859	2982.90541
	7.30	.00000	236.376442	1.000	-946.23341	946.23341
	8.10	4264.69167*	236.376442	<.001	3318.45826	5210.92508
	8.20	2194.13800*	236.376442	<.001	1247.90459	3140.37141
	8.30	157.64467	236.376442	1.000	-788.58874	1103.87808
	9.10	4141.73400*	236.376442	<.001	3195.50059	5087.96741
	9.20	2054.91067*	236.376442	<.001	1108.67726	3001.14408
	9.30	-126.21133	236.376442	1.000	-1072.44474	820.02208
	10.10	4189.08233*	236.376442	<.001	3242.84892	5135.31574
	10.20	2045.18167*	236.376442	<.001	1098.94826	2991.41508
	10.30	.00000	236.376442	1.000	-946.23341	946.23341
	11.10	4189.08233*	236.376442	<.001	3242.84892	5135.31574
	11.20	2036.67200*	236.376442	<.001	1090.43859	2982.90541
	12.10	4031.58800*	236.376442	<.001	3085.35459	4977.82141
	12.20	2036.67200*	236.376442	<.001	1090.43859	2982.90541
	12.30	.00000	236.376442	1.000	-946.23341	946.23341
12.10	**1.10**	232.72200	236.376442	1.000	-713.51141	1178.95541
	1.20	-1986.40633*	236.376442	<.001	-2932.63974	-1040.17292
	1.30	-4157.79933*	236.376442	<.001	-5104.03274	-3211.56592
	2.10	110.14600	236.376442	1.000	-836.08741	1056.37941
	2.20	-1994.91600*	236.376442	<.001	-2941.14941	-1048.68259
	2.30	-4157.79933*	236.376442	<.001	-5104.03274	-3211.56592
	3.10	232.72200	236.376442	1.000	-713.51141	1178.95541
	3.20	-1976.67733*	236.376442	<.001	-2922.91074	-1030.44392
	3.30	-3656.18500*	236.376442	<.001	-4602.41841	-2709.95159
	4.10	-53.39300	236.376442	1.000	-999.62641	892.84041
	4.20	-1986.40633*	236.376442	<.001	-2932.63974	-1040.17292
	4.30	-3723.09333*	236.376442	<.001	-4669.32674	-2776.85992
	5.10	232.72200	236.376442	1.000	-713.51141	1178.95541

	5.20	-2002.44633*	236.376442	<.001	-2948.67974	-1056.21292
	5.30	-3967.56000*	236.376442	<.001	-4913.79341	-3021.32659
	6.10	82.71567	236.376442	1.000	-863.51774	1028.94908
	6.20	-1994.91600*	236.376442	<.001	-2941.14941	-1048.68259
	6.30	-4031.58800*	236.376442	<.001	-4977.82141	-3085.35459
	7.10	82.71567	236.376442	1.000	-863.51774	1028.94908
	7.20	-1994.91600*	236.376442	<.001	-2941.14941	-1048.68259
	7.30	-4031.58800*	236.376442	<.001	-4977.82141	-3085.35459
	8.10	233.10367	236.376442	1.000	-713.12974	1179.33708
	8.20	-1837.45000*	236.376442	<.001	-2783.68341	-891.21659
	8.30	-3873.94333*	236.376442	<.001	-4820.17674	-2927.70992
	9.10	110.14600	236.376442	1.000	-836.08741	1056.37941
	9.20	-1976.67733*	236.376442	<.001	-2922.91074	-1030.44392
	9.30	-4157.79933*	236.376442	<.001	-5104.03274	-3211.56592
	10.10	157.49433	236.376442	1.000	-788.73908	1103.72774
	10.20	-1986.40633*	236.376442	<.001	-2932.63974	-1040.17292
	10.30	-4031.58800*	236.376442	<.001	-4977.82141	-3085.35459
	11.10	157.49433	236.376442	1.000	-788.73908	1103.72774
	11.20	-1994.91600*	236.376442	<.001	-2941.14941	-1048.68259
	11.30	-4031.58800*	236.376442	<.001	-4977.82141	-3085.35459
	12.20	-1994.91600*	236.376442	<.001	-2941.14941	-1048.68259
	12.30	-4031.58800*	236.376442	<.001	-4977.82141	-3085.35459
12.20	**1.10**	2227.63800*	236.376442	<.001	1281.40459	3173.87141
	1.20	8.50967	236.376442	1.000	-937.72374	954.74308
	1.30	-2162.88333*	236.376442	<.001	-3109.11674	-1216.64992
	2.10	2105.06200*	236.376442	<.001	1158.82859	3051.29541
	2.20	.00000	236.376442	1.000	-946.23341	946.23341
	2.30	-2162.88333*	236.376442	<.001	-3109.11674	-1216.64992
	3.10	2227.63800*	236.376442	<.001	1281.40459	3173.87141
	3.20	18.23867	236.376442	1.000	-927.99474	964.47208
	3.30	-1661.26900*	236.376442	<.001	-2607.50241	-715.03559
	4.10	1941.52300*	236.376442	<.001	995.28959	2887.75641
	4.20	8.50967	236.376442	1.000	-937.72374	954.74308
	4.30	-1728.17733*	236.376442	<.001	-2674.41074	-781.94392
	5.10	2227.63800*	236.376442	<.001	1281.40459	3173.87141
	5.20	-7.53033	236.376442	1.000	-953.76374	938.70308
	5.30	-1972.64400*	236.376442	<.001	-2918.87741	-1026.41059
	6.10	2077.63167*	236.376442	<.001	1131.39826	3023.86508
	6.20	.00000	236.376442	1.000	-946.23341	946.23341
	6.30	-2036.67200*	236.376442	<.001	-2982.90541	-1090.43859
	7.10	2077.63167*	236.376442	<.001	1131.39826	3023.86508

	7.20	.00000	236.376442	1.000	-946.23341	946.23341
	7.30	-2036.67200*	236.376442	<.001	-2982.90541	-1090.43859
	8.10	2228.01967*	236.376442	<.001	1281.78626	3174.25308
	8.20	157.46600	236.376442	1.000	-788.76741	1103.69941
	8.30	-1879.02733*	236.376442	<.001	-2825.26074	-932.79392
	9.10	2105.06200*	236.376442	<.001	1158.82859	3051.29541
	9.20	18.23867	236.376442	1.000	-927.99474	964.47208
	9.30	-2162.88333*	236.376442	<.001	-3109.11674	-1216.64992
	10.10	2152.41033*	236.376442	<.001	1206.17692	3098.64374
	10.20	8.50967	236.376442	1.000	-937.72374	954.74308
	10.30	-2036.67200*	236.376442	<.001	-2982.90541	-1090.43859
	11.10	2152.41033*	236.376442	<.001	1206.17692	3098.64374
	11.20	.00000	236.376442	1.000	-946.23341	946.23341
	11.30	-2036.67200*	236.376442	<.001	-2982.90541	-1090.43859
	12.10	1994.91600*	236.376442	<.001	1048.68259	2941.14941
	12.30	-2036.67200*	236.376442	<.001	-2982.90541	-1090.43859
12.30	**1.10**	4264.31000*	236.376442	<.001	3318.07659	5210.54341
	1.20	2045.18167*	236.376442	<.001	1098.94826	2991.41508
	1.30	-126.21133	236.376442	1.000	-1072.44474	820.02208
	2.10	4141.73400*	236.376442	<.001	3195.50059	5087.96741
	2.20	2036.67200*	236.376442	<.001	1090.43859	2982.90541
	2.30	-126.21133	236.376442	1.000	-1072.44474	820.02208
	3.10	4264.31000*	236.376442	<.001	3318.07659	5210.54341
	3.20	2054.91067*	236.376442	<.001	1108.67726	3001.14408
	3.30	375.40300	236.376442	1.000	-570.83041	1321.63641
	4.10	3978.19500*	236.376442	<.001	3031.96159	4924.42841
	4.20	2045.18167*	236.376442	<.001	1098.94826	2991.41508
	4.30	308.49467	236.376442	1.000	-637.73874	1254.72808
	5.10	4264.31000*	236.376442	<.001	3318.07659	5210.54341
	5.20	2029.14167*	236.376442	<.001	1082.90826	2975.37508
	5.30	64.02800	236.376442	1.000	-882.20541	1010.26141
	6.10	4114.30367*	236.376442	<.001	3168.07026	5060.53708
	6.20	2036.67200*	236.376442	<.001	1090.43859	2982.90541
	6.30	.00000	236.376442	1.000	-946.23341	946.23341
	7.10	4114.30367*	236.376442	<.001	3168.07026	5060.53708
	7.20	2036.67200*	236.376442	<.001	1090.43859	2982.90541
	7.30	.00000	236.376442	1.000	-946.23341	946.23341
	8.10	4264.69167*	236.376442	<.001	3318.45826	5210.92508
	8.20	2194.13800*	236.376442	<.001	1247.90459	3140.37141
	8.30	157.64467	236.376442	1.000	-788.58874	1103.87808
	9.10	4141.73400*	236.376442	<.001	3195.50059	5087.96741

	9.20	2054.91067*	236.376442	<.001	1108.67726	3001.14408
	9.30	-126.21133	236.376442	1.000	-1072.44474	820.02208
	10.10	4189.08233*	236.376442	<.001	3242.84892	5135.31574
	10.20	2045.18167*	236.376442	<.001	1098.94826	2991.41508
	10.30	.00000	236.376442	1.000	-946.23341	946.23341
	11.10	4189.08233*	236.376442	<.001	3242.84892	5135.31574
	11.20	2036.67200*	236.376442	<.001	1090.43859	2982.90541
	11.30	.00000	236.376442	1.000	-946.23341	946.23341
	12.10	4031.58800*	236.376442	<.001	3085.35459	4977.82141
	12.20	2036.67200*	236.376442	<.001	1090.43859	2982.90541

Based on observed means.

The error term is Mean Square(Error) = 83810.733.

*. The mean difference is significant at the .05 level.