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LAMPIRAN

Lampiran 1. Kualitas sedimen di lokasi penelitian

Lokasi	Salinitas (ppt)	pH	Eh (mV)	Suhu (°C)	BOT (%)	TOC (%)	GS < 63µm (%)	Lumpur (%)	Pasir (%)
M S Jeneberang (Jene)	30	7.0	133.78	26.79	2.84	1.82	0.52	48.7	51.3
Tanjung Merdeka (TM)	30	7.1	16.33	27.94	6.84	2.18	1.56	33.0	67.0
Losari	30	7.0	-161.18	31.83	6.58	1.86	0.81	54.3	45.7
Kanal Benteng	30	7.1	-136.92	30.08	7.62	2.27	4.28	68.3	31.8
Kanal Paotere	29	6.9	-239.78	30.06	17.46	1.87	1.92	76.3	23.7
M S Tallo	19	6.9	-53.44	30.49	13.42	2.06	0.42	95.7	4.3
P Bonetambung	30	7.2	45.67	30.13	41.15	1.46	0.21	84.0	16.0

Lampiran 2. Kualitas air di lokasi penelitian

Lokasi	Salinitas (ppt)	DO (mg/L)	pH	Suhu (°C)	DOM* (mg/L)
M S Jeneberang (Jene)	30.0	4.6	7.2	30.5	22.91
Tanjung Merdeka (TM)	29.9	5.7	7.3	30.9	21.07
Losari	29.7	6.5	7.3	32.8	8.84
Kanal Benteng	29.8	4.5	7.3	30.6	19.70
Kanal Paotere	29.3	4.6	7.2	31.1	25.07
M S Tallo	19.2	4.0	7.0	30.4	16.60
P Bonetambung	30.3	4.6	7.3	30.9	12.33

Lampiran 3. Konsentrasi logam di kolom air (mg/L)*

Lokasi	Pb	Cd	Cu	Zn
M S Jeneberang (Jene)	0.25	0.04	0.13	0.08
Tanjung Merdeka (TM)	0.23	0.03	0.14	0.07
Losari	0.42	0.03	0.14	0.09
Kanal Benteng	0.10	0.02	0.09	0.05
Kanal Paotere	0.24	0.02	0.08	0.08
M S Tallo	0.17	0.01	0.06	0.06
P Bonetambung	0.57	0.03	0.14	0.11

* Sumber : Werorilangi, dkk., 2012

Lampiran 4. Analisis ragam logam Pb berdasarkan lokasi antara fraksi

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
JENE	Between Groups	12.075	2	6.038	28.070	.001
	Within Groups	1.291	6	.215		
	Total	13.366	8			
TM	Between Groups	24.350	2	12.175	272.643	.000
	Within Groups	.268	6	4.466E-02		
	Total	24.618	8			
LOSARI	Between Groups	2.918	2	1.459	1.177	.370
	Within Groups	7.437	6	1.239		
	Total	10.355	8			
BENTENG	Between Groups	39.638	2	19.819	33.496	.000
	Within Groups	5.325	9	.592		
	Total	44.963	11			
PAOTERE	Between Groups	23.408	2	11.704	2.876	.133
	Within Groups	24.420	6	4.070		
	Total	47.828	8			
TALLO	Between Groups	35.686	2	17.843	75.143	.000
	Within Groups	1.425	6	.237		
	Total	37.111	8			

TM

		Subset for alpha = .05		
FRAKSI	N	1	2	3
Fraksi 1	3	.2767		
Fraksi 3	3		.8400	
Fraksi 2	3			4.0133
Sig.		1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3.000.

JENE

		Subset for alpha = .05		
FRAKSI	N	1	2	3
Fraksi 1	3	4.667E-02		
Fraksi 3	3		1.0900	
Fraksi 2	3			2.8533
Sig.		1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3.000.

BENTENG

		Subset for alpha = .05	
FRAKSI	N	1	2
Fraksi 1	4	.2050	
Fraksi 3	4	1.3850	
Fraksi 2	4		4.5125
Sig.		.058	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 4.000.

TALLO

		Subset for alpha = .05		
FRAKSI	N	1	2	3
Fraksi 1	3	.2100		
Fraksi 3	3		1.9333	
Fraksi 2	3			5.0233
Sig.		1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3.000.

Lampiran 5. Analisis ragam logam Pb berdasarkan fraksi antara lokasi

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
PB1	Between Groups	.377	5	7.537E-02	1.339	.308
	Within Groups	.732	13	5.628E-02		
	Total	1.109	18			
PB2	Between Groups	26.507	5	5.301	2.288	.107
	Within Groups	30.127	13	2.317		
	Total	56.634	18			
PB3	Between Groups	6.560	5	1.312	1.833	.176
	Within Groups	9.307	13	.716		
	Total	15.866	18			

Lampiran 6. Analisis ragam logam Cd berdasarkan lokasi antara fraksi

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
JENE	Between Groups	1.622E-03	2	8.111E-04	.859	.470
	Within Groups	5.667E-03	6	9.444E-04		
	Total	7.289E-03	8			
TM	Between Groups	1.800E-03	2	9.000E-04	1.000	.422
	Within Groups	5.400E-03	6	9.000E-04		
	Total	7.200E-03	8			
LOSARI	Between Groups	3.200E-03	2	1.600E-03	3.000	.125
	Within Groups	3.200E-03	6	5.333E-04		
	Total	6.400E-03	8			
BENTENG	Between Groups	6.650E-03	2	3.325E-03	.496	.625
	Within Groups	6.035E-02	9	6.706E-03		
	Total	6.700E-02	11			
PAOTERE	Between Groups	7.727E-02	2	3.863E-02	2.922	.130
	Within Groups	7.933E-02	6	1.322E-02		
	Total	.157	8			
TALLO	Between Groups	3.800E-03	2	1.900E-03	.695	.535
	Within Groups	1.640E-02	6	2.733E-03		
	Total	2.020E-02	8			

Lampiran 7. Analisis ragam logam Cd berdasarkan fraksi antara lokasi

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
CD1	Between Groups	9.499E-02	5	1.900E-02	1.926	.158
	Within Groups	.128	13	9.862E-03		
	Total	.223	18			
CD2	Between Groups	3.911E-02	5	7.822E-03	2.723	.068
	Within Groups	3.734E-02	13	2.872E-03		
	Total	7.645E-02	18			
CD3	Between Groups	1.263E-03	5	2.526E-04	.684	.644
	Within Groups	4.800E-03	13	3.692E-04		
	Total	6.063E-03	18			

Lampiran 8. Analisis ragam logam Cu berdasarkan lokasi antara fraksi

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
JENE	Between Groups	172.967	2	86.484	9.952	.012
	Within Groups	52.139	6	8.690		
	Total	225.106	8			
TM	Between Groups	97.576	2	48.788	5.548	.043
	Within Groups	52.766	6	8.794		
	Total	150.342	8			
LOSARI	Between Groups	60.648	2	30.324	1.911	.228
	Within Groups	95.225	6	15.871		
	Total	155.872	8			
BENTENG	Between Groups	564.039	2	282.019	4.243	.050
	Within Groups	598.169	9	66.463		
	Total	1162.208	11			
PAOTERE	Between Groups	5061.898	2	2530.949	1.505	.295
	Within Groups	10092.513	6	1682.086		
	Total	15154.411	8			
TALLO	Between Groups	657.127	2	328.564	81.908	.000
	Within Groups	24.068	6	4.011		
	Total	681.195	8			

JENEDuncan^a

FRAKSI	N	Subset for alpha = .05	
		1	2
Fraksi 3	3	.8867	
Fraksi 1	3	2.0667	
Fraksi 2	3		10.7200
Sig.		.641	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3.000.

LOSARIDuncan^a

FRAKSI	N	Subset for alpha = .05	
		1	
Fraksi 3	3	1.2133	
Fraksi 1	3	1.2400	
Fraksi 2	3	6.7333	
Sig.		.152	

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3.000.

BENTENGDuncan^a

FRAKSI	N	Subset for alpha = .05	
		1	2
Fraksi 1	4	2.8900	
Fraksi 3	4	5.4950	
Fraksi 2	4		18.5600
Sig.		.662	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 4.000.

TALLODuncan^a

FRAKSI	N	Subset for alpha = .05		
		1	2	3
Fraksi 1	3	.0000		
Fraksi 3	3		5.5533	
Fraksi 2	3			20.2533
Sig.		1.000	1.000	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3.000.

Lampiran 9. Analisis ragam logam Cu berdasarkan fraksi antara lokasi**ANOVA**

		Sum of Squares	df	Mean Square	F	Sig.
CU1	Between Groups	50.640	5	10.128	.673	.651
	Within Groups	195.722	13	15.056		
	Total	246.362	18			
CU2	Between Groups	6293.427	5	1258.685	1.654	.215
	Within Groups	9894.287	13	761.099		
	Total	16187.714	18			
CU3	Between Groups	736.650	5	147.330	2.322	.103
	Within Groups	824.871	13	63.452		
	Total	1561.521	18			

Lampiran 10. Analisis ragam logam Zn berdasarkan lokasi antara fraksi

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
JENE	Between Groups	159.795	2	79.897	16.842	.003
	Within Groups	28.463	6	4.744		
	Total	188.258	8			
TM	Between Groups	180.174	2	90.087	11.574	.009
	Within Groups	46.701	6	7.784		
	Total	226.876	8			
LOSARI	Between Groups	595.687	2	297.844	1.266	.348
	Within Groups	1412.022	6	235.337		
	Total	2007.710	8			
BENTENG	Between Groups	3000.115	2	1500.058	.953	.421
	Within Groups	14170.598	9	1574.511		
	Total	17170.713	11			
PAOTERE	Between Groups	11982.051	2	5991.026	1.152	.377
	Within Groups	31199.491	6	5199.915		
	Total	43181.542	8			
TALLO	Between Groups	1232.715	2	616.358	2.992	.126
	Within Groups	1236.070	6	206.012		
	Total	2468.785	8			

JENE

FRAKSI	N	Subset for alpha = .05	
		1	2
Fraksi 3	3	3.2900	
Fraksi 1	3	5.4800	
Fraksi 2	3		13.1200
Sig.		.264	1.000

Means for groups in homogeneous subsets are displayed

a. Uses Harmonic Mean Sample Size = 3.000.

TM

FRAKSI	N	Subset for alpha = .05	
		1	2
Fraksi 3	3	4.4567	
Fraksi 1	3	6.6933	
Fraksi 2	3		14.8667
Sig.		.364	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3.000.

Lampiran 11. Analisis ragam logam Zn berdasarkan fraksi antara lokasi

ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
ZN1	Between Groups	12981.142	5	2596.228	.977	.467
	Within Groups	34542.742	13	2657.134		
	Total	47523.884	18			
ZN2	Between Groups	15487.115	5	3097.423	3.312	.038
	Within Groups	12158.392	13	935.261		
	Total	27645.507	18			
ZN3	Between Groups	912.329	5	182.466	1.704	.203
	Within Groups	1392.211	13	107.093		
	Total	2304.541	18			

ZN2

Duncan^{a,b}

VAR00005	N	Subset for alpha = .05	
		1	2
1.00	3	13.1200	
2.00	3	14.8667	
3.00	3	15.5600	
4.00	4	42.0500	42.0500
6.00	3	46.1467	46.1467
5.00	3		96.4533
Sig.		.240	.053

Means for groups in homogeneous subsets are displayed

- a. Uses Harmonic Mean Sample Size = 3.130.
- b. The group sizes are unequal. The harmonic mean of the group sizes is used. Type I error levels are not guaranteed.

Lampiran 12. Korelasi Pearson logam fraksi 1 dengan faktor lingkungan

	PB1	CD1	CU1	ZN1	EH	SUHU	BOT	TOC	GS	PH	LUMPUR
PB1	Pearson Correlation	1.000	.808*	.765*	.841*	-.677	.080	-.203	.435	.410	-.499
	Sig. (2-tailed)	.	.028	.045	.018	.095	.864	.662	.329	.361	.255
	N	7	7	7	7	7	7	7	7	7	7
CD1	Pearson Correlation	.808*	1.000	.860*	.984**	-.755*	.239	-.048	.097	.387	-.550
	Sig. (2-tailed)	.028	.	.013	.000	.050	.606	.918	.836	.390	.200
	N	7	7	7	7	7	7	7	7	7	7
CU1	Pearson Correlation	.765*	.860*	1.000	.858*	-.567	-.116	-.276	.234	.566	-.372
	Sig. (2-tailed)	.045	.013	.	.014	.184	.805	.549	.614	.186	.411
	N	7	7	7	7	7	7	7	7	7	7
ZN1	Pearson Correlation	.841*	.984**	.858*	1.000	-.844*	.325	-.084	.203	.492	-.501
	Sig. (2-tailed)	.018	.000	.014	.	.017	.476	.858	.663	.263	.252
	N	7	7	7	7	7	7	7	7	7	7
EH	Pearson Correlation	-.677	-.755*	-.567	-.844*	1.000	-.722	.077	-.272	-.489	.360
	Sig. (2-tailed)	.095	.050	.184	.017	.	.067	.870	.555	.265	.428
	N	7	7	7	7	7	7	7	7	7	7
SUHU	Pearson Correlation	.080	.239	-.116	.325	-.722	1.000	.290	-.087	.073	-.045
	Sig. (2-tailed)	.864	.606	.805	.476	.067	.	.528	.854	.877	.924
	N	7	7	7	7	7	7	7	7	7	7
BOT	Pearson Correlation	-.203	-.048	-.276	-.084	.077	.290	1.000	-.701	-.318	.557
	Sig. (2-tailed)	.662	.918	.549	.858	.870	.528	.	.080	.487	.194
	N	7	7	7	7	7	7	7	7	7	7
TOC	Pearson Correlation	.435	.097	.234	.203	-.272	-.087	-.701	1.000	.687	-.237
	Sig. (2-tailed)	.329	.836	.614	.663	.555	.854	.080	.	.088	.609
	N	7	7	7	7	7	7	7	7	7	7
GS	Pearson Correlation	.410	.387	.566	.492	-.489	.073	-.318	.687	1.000	.119
	Sig. (2-tailed)	.361	.390	.186	.263	.265	.877	.487	.088	.	.802
	N	7	7	7	7	7	7	7	7	7	7
PH	Pearson Correlation	-.499	-.550	-.372	-.501	.360	-.045	.557	-.237	.119	1.000
	Sig. (2-tailed)	.255	.200	.411	.252	.428	.924	.194	.609	.800	.
	N	7	7	7	7	7	7	7	7	7	7
LUMPUR	Pearson Correlation	.036	.308	-.169	.272	-.270	.538	.592	-.274	-.118	-.103
	Sig. (2-tailed)	.938	.501	.718	.555	.558	.212	.161	.552	.802	.826
	N	7	7	7	7	7	7	7	7	7	7

*. Correlation is significant at the 0.05 level (2-tailed).

**. Correlation is significant at the 0.01 level (2-tailed).

Lampiran 13. Korelasi Pearson logam fraksi 2 dengan faktor lingkungan

	PB2	CD2	CU2	ZN2	EH	SUHU	BOT	TOC	GS	PH	LUMPUR
PB2	Pearson Correlation	1.000	.592	.581	.672	-.318	-.154	-.479	.794*	.501	-.532
	Sig. (2-tailed)	.	.161	.171	.098	.487	.741	.276	.033	.252	.219
	N	7	7	7	7	7	7	7	7	7	7
CD2	Pearson Correlation	.592	1.000	.973**	.934**	-.589	-.036	-.079	.196	.425	-.477
	Sig. (2-tailed)	.161	.	.000	.002	.164	.940	.866	.674	.342	.279
	N	7	7	7	7	7	7	7	7	7	7
CU2	Pearson Correlation	.581	.973**	1.000	.979**	-.673	.124	-.067	.148	.316	-.606
	Sig. (2-tailed)	.171	.000	.	.000	.098	.791	.886	.751	.490	.149
	N	7	7	7	7	7	7	7	7	7	7
ZN2	Pearson Correlation	.672	.934**	.979**	1.000	-.739	.232	-.091	.270	.394	-.612
	Sig. (2-tailed)	.098	.002	.000	.	.058	.616	.846	.558	.382	.145
	N	7	7	7	7	7	7	7	7	7	7
EH	Pearson Correlation	-.318	-.589	-.673	-.739	1.000	-.722	.077	-.272	-.489	.360
	Sig. (2-tailed)	.487	.164	.098	.058	.	.067	.870	.555	.265	.428
	N	7	7	7	7	7	7	7	7	7	7
SUHU	Pearson Correlation	-.154	-.036	.124	.232	-.722	1.000	.290	-.087	.073	-.045
	Sig. (2-tailed)	.741	.940	.791	.616	.067	.	.528	.854	.877	.924
	N	7	7	7	7	7	7	7	7	7	7
BOT	Pearson Correlation	-.479	-.079	-.067	-.091	.077	.290	1.000	-.701	-.318	.557
	Sig. (2-tailed)	.276	.866	.886	.846	.870	.528	.	.080	.487	.194
	N	7	7	7	7	7	7	7	7	7	7
TOC	Pearson Correlation	.794*	.196	.148	.270	-.272	-.087	-.701	1.000	.687	-.237
	Sig. (2-tailed)	.033	.674	.751	.558	.555	.854	.080	.	.088	.609
	N	7	7	7	7	7	7	7	7	7	7
GS	Pearson Correlation	.501	.425	.316	.394	-.489	.073	-.318	.687	1.000	.119
	Sig. (2-tailed)	.252	.342	.490	.382	.265	.877	.487	.088	.	.800
	N	7	7	7	7	7	7	7	7	7	7
PH	Pearson Correlation	-.532	-.477	-.606	-.612	.360	-.045	.557	-.237	.119	1.000
	Sig. (2-tailed)	.219	.279	.149	.145	.428	.924	.194	.609	.800	.
	N	7	7	7	7	7	7	7	7	7	7
LUMPUR	Pearson Correlation	.112	.166	.297	.386	-.270	.538	.592	-.274	-.118	-.103
	Sig. (2-tailed)	.811	.721	.518	.392	.558	.212	.161	.552	.802	.826
	N	7	7	7	7	7	7	7	7	7	7

*. Correlation is significant at the 0.05 level (2-tailed).

**. Correlation is significant at the 0.01 level (2-tailed).

Lampiran 14. Korelasi Pearson logam fraksi 3 dengan faktor lingkungan

		EH	SUHU	BOT	TOC	GS	PH	LUMPUR	PB3	CD3	CU3	ZN3
EH	Pearson Correlation	1.000	-.722	.077	-.272	-.489	.360	-.270	-.569	-.271	-.725	-.371
	Sig. (2-tailed)	.	.067	.870	.555	.265	.428	.558	.182	.557	.065	.412
	N	7	7	7	7	7	7	7	7	7	7	7
SUHU	Pearson Correlation	-.722	1.000	.290	-.087	.073	-.045	.538	.103	.122	.235	.223
	Sig. (2-tailed)	.067	.	.528	.854	.877	.924	.212	.826	.794	.611	.631
	N	7	7	7	7	7	7	7	7	7	7	7
BOT	Pearson Correlation	.077	.290	1.000	-.701	-.318	.557	.592	-.232	-.206	.032	-.134
	Sig. (2-tailed)	.870	.528	.	.080	.487	.194	.161	.617	.658	.945	.775
	N	7	7	7	7	7	7	7	7	7	7	7
TOC	Pearson Correlation	-.272	-.087	-.701	1.000	.687	-.237	-.274	.357	.568	.102	.388
	Sig. (2-tailed)	.555	.854	.080	.	.088	.609	.552	.432	.183	.828	.390
	N	7	7	7	7	7	7	7	7	7	7	7
GS	Pearson Correlation	-.489	.073	-.318	.687	1.000	.119	-.118	.287	.898**	.333	.036
	Sig. (2-tailed)	.265	.877	.487	.088	.	.800	.802	.532	.006	.465	.938
	N	7	7	7	7	7	7	7	7	7	7	7
PH	Pearson Correlation	.360	-.045	.557	-.237	.119	1.000	-.103	-.757*	.279	-.544	-.677
	Sig. (2-tailed)	.428	.924	.194	.609	.800	.	.826	.049	.545	.207	.095
	N	7	7	7	7	7	7	7	7	7	7	7
LUMPUR	Pearson Correlation	-.270	.538	.592	-.274	-.118	-.103	1.000	.410	.051	.399	.589
	Sig. (2-tailed)	.558	.212	.161	.552	.802	.826	.	.361	.914	.375	.164
	N	7	7	7	7	7	7	7	7	7	7	7
PB3	Pearson Correlation	-.569	.103	-.232	.357	.287	-.757*	.410	1.000	.078	.888**	.838*
	Sig. (2-tailed)	.182	.826	.617	.432	.532	.049	.361	.	.867	.008	.019
	N	7	7	7	7	7	7	7	7	7	7	7
CD3	Pearson Correlation	-.271	.122	-.206	.568	.898**	.279	.051	.078	1.000	.062	-.030
	Sig. (2-tailed)	.557	.794	.658	.183	.006	.545	.914	.867	.	.895	.950
	N	7	7	7	7	7	7	7	7	7	7	7
CU3	Pearson Correlation	-.725	.235	.032	.102	.333	-.544	.399	.888**	.062	1.000	.573
	Sig. (2-tailed)	.065	.611	.945	.828	.465	.207	.375	.008	.895	.	.178
	N	7	7	7	7	7	7	7	7	7	7	7
ZN3	Pearson Correlation	-.371	.223	-.134	.388	.036	-.677	.589	.838*	-.030	.573	1.000
	Sig. (2-tailed)	.412	.631	.775	.390	.938	.095	.164	.019	.950	.178	.
	N	7	7	7	7	7	7	7	7	7	7	7

**: Correlation is significant at the 0.01 level (2-tailed).

*. Correlation is significant at the 0.05 level (2-tailed).

Lampiran 15. Spesies biota yang ditemukan di lokasi penelitian

Lokasi	Spesies biota yang ditemukan	
	Polychaeta (cacing)	Bivalvia (kerang)
M S Jeneberang (Jene)	<i>Eunice harasii</i> <i>Merphysa bellii</i>	<i>Hiatula chinensis</i> <i>Tellina palatam</i> <i>Codacia tigerina</i>
Tanjung Merdeka (TM)	<i>Merphysa bellii</i> <i>Eunice harasii</i>	<i>Tellina palatam</i> <i>Gafrarium tunidum</i>
Losari	<i>Merphysa bellii</i> <i>Eunice harasii</i>	<i>Codacia puncata</i> <i>Codacia trigerina</i> <i>Tellina palatam</i> <i>Gafrarium tumidum</i>
Kanal Benteng	<i>Merphysa bellii</i> <i>Eunice harasii</i>	<i>Gafrarium tumidum</i> <i>Tellina palatam</i> <i>Codacia tigerina</i>
Kanal Paotere	<i>Merphysa bellii</i>	<i>Tellina palatam</i> <i>Barbatia decussata</i> <i>Codacia puncata</i>
M S Tallo	<i>Eunice harasii</i> <i>Merphysa bellii</i>	<i>Palacuna epippium</i> <i>Limaria fragilis</i> <i>Barbatia decussata</i> <i>Limaria basilanica</i> <i>Pteria penguin</i> <i>Ensis-ensis</i> <i>Tellina palatam</i>
P Bonetambung	<i>Eunice harasii</i> <i>Merphysa bellii</i>	<i>Tellina pallatam</i> <i>Glycymeris pectunculus</i> <i>Tellina timorensis</i> <i>Lioconcha trigin</i> <i>Hiatula chinensis</i>

Lampiran 16. Peta zonasi wilayah perairan pantai Kota Makassar *

