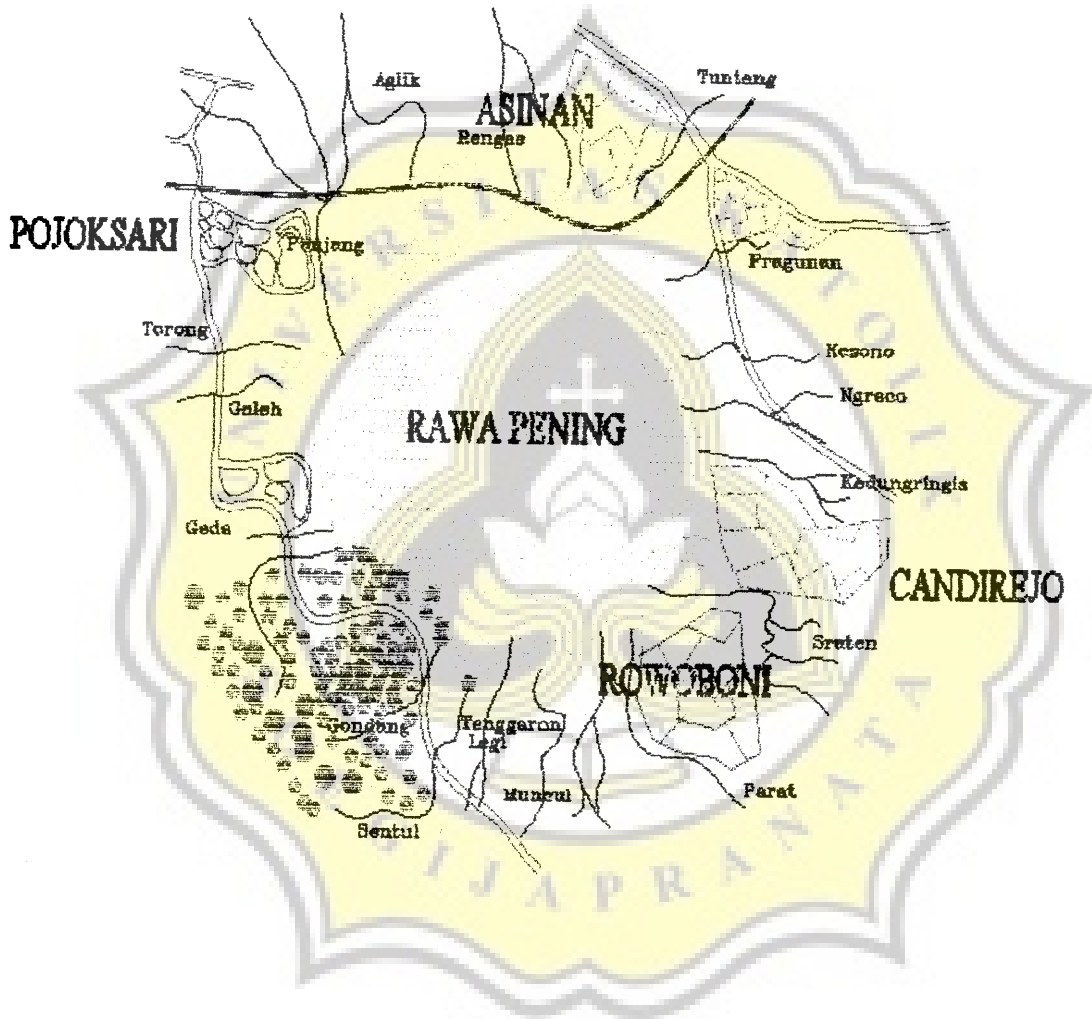


Peta Lokasi Pengambilan Sampel



Sumber : Purnomo (2000)

Konsentrasi dan Asupan Logam Zn, Cu dan Fe

Lokasi	Usia	Konsumsi (g/orang/minggu)	Konsentrasi Zn ($\mu\text{g/g}$)	Asupan (mg/orang/minggu)	Konsentrasi Cu ($\mu\text{g/g}$)	Asupan (mg/orang/minggu)	Konsentrasi Fe ($\mu\text{g/g}$)	Asupan (mg/orang/minggu)
Asinan	Balita	29.05	14.70	0.43	0.38	0.01	9.23	0.27
	Anak-anak	75.6	14.70	1.11	0.38	0.03	9.23	0.70
	Remaja	21.49	14.70	0.32	0.38	0.01	9.23	0.20
	Dewasa	73.36	14.70	1.08	0.38	0.03	9.23	0.68
Pojoksari	Balita	29.05	13.22	0.38	0.31	0.01	5.17	0.15
	Anak-anak	43.47	13.22	0.57	0.31	0.01	5.17	0.22
	Remaja	43.61	13.22	0.58	0.31	0.01	5.17	0.23
	Dewasa	77.49	13.22	1.02	0.31	0.02	5.17	0.40
Rowobon	Balita	26.5	13.56	0.36	0.34	0.01	3.15	0.08
	Anak-anak	283.22	13.56	3.84	0.34	0.10	3.15	0.89
	Remaja	57.68	13.56	0.78	0.34	0.02	3.15	0.18
	Dewasa	90.93	13.56	1.23	0.34	0.03	3.15	0.29
Candirejo	Balita	-	-	-	-	-	-	-
	Anak-anak	19.25	11.36	0.22	0.21	0.00	1.72	0.03
	Remaja	40.18	11.36	0.46	0.21	0.01	1.72	0.07
	Dewasa	91.77	11.36	1.04	0.21	0.02	1.72	0.16

Asupan = Konsumsi*Konsentrasi Logam

Lampiran 3

Hazard Quotient Zn

Lokasi	Usia	Konsumsi (g/orang/minggu)	K.Logam.Zn ($\mu\text{g/g}$)	Asupan (mg/minggu)	ULSR(mg/minggu)		Hazard Quotient	
					Laki-Laki	Wanita	Laki-Laki	Wanita
Asinan	Balita	29.05	14.70	0.43	161	161	0.003	0.003
	Anak-anak	75.6	14.70	1.11	196	196	0.006	0.006
	Remaja	21.49	14.70	0.32	280	252	0.001	0.001
	Dewasa	73.36	14.70	1.08	315	245	0.003	0.004
Pojoksari	Balita	29.05	13.22	0.38	161	161	0.002	0.002
	Anak-anak	43.47	13.22	0.57	196	196	0.003	0.003
	Remaja	43.61	13.22	0.58	280	252	0.002	0.002
	Dewasa	77.49	13.22	1.02	315	245	0.003	0.004
Rowoboni	Balita	26.5	13.56	0.36	161	161	0.002	0.002
	Anak-anak	283.22	13.56	3.84	196	196	0.020	0.020
	Remaja	57.68	13.56	0.78	280	252	0.003	0.003
	Dewasa	90.93	13.56	1.23	315	245	0.004	0.005
Candirejo	Balita	-	-	-	-	-	-	-
	Anak-anak	19.25	11.36	0.22	196	196	0.001	0.001
	Remaja	40.18	11.36	0.46	280	252	0.002	0.002
	Dewasa	91.77	11.36	1.04	315	245	0.003	0.004

HQ = $\frac{\text{Weekly Intake (mg/minggu)}}{\text{ULSR(mg/minggu)}}$

Hazard Quotient CU

Lokasi	Usia	Konsumsi (g/orang/minggu)	K.Logam Cu (µg / g)	Asupan (mg/minggu)	ULSR(mg/minggu) Laki-Laki	ULSR(mg/minggu) Wanita	Hazard Quotient Laki-Laki	Hazard Quotient Wanita
Asinan	Balita	29.05	0.377	0.011	10.5	10.5	0.0010	0.0010
	Anak-anak	75.6	0.377	0.029	21	21	0.0014	0.0014
	Remaja	21.49	0.377	0.008	56	56	0.0001	0.0001
	Dewasa	73.36	0.377	0.028	84	70	0.0003	0.0004
Pojoksari	Balita	29.05	0.312	0.009	10.5	10.5	0.0009	0.0009
	Anak-anak	43.47	0.312	0.014	21	21	0.0006	0.0006
	Remaja	43.61	0.312	0.014	56	56	0.0002	0.0002
	Dewasa	77.49	0.312	0.024	84	70	0.0003	0.0003
Rowoboni	Balita	26.25	0.339	0.009	10.5	10.5	0.0008	0.0008
	Anak-anak	283.22	0.339	0.096	21	21	0.0046	0.0046
	Remaja	57.68	0.339	0.020	56	56	0.0003	0.0003
	Dewasa	90.93	0.339	0.031	84	70	0.0004	0.0004
Candirejo	Balita	-	-	-	-	-	-	-
	Anak-anak	19.25	0.214	0.004	21	21	0.0002	0.0002
	Remaja	40.18	0.214	0.009	56	56	0.0002	0.0002
	Dewasa	91.77	0.214	0.020	84	70	0.0002	0.0003

$$HQ = \frac{\text{Weekly Intake (mg/minggu)}}{\text{ULSR (mg/minggu)}}$$

MCL Zn dan Cu

Lokasi	Usia	Konsumsi (g/orang/minggu)	Hazard Quantient Zn		MCL Zn(g/orang/minggu)		Hazard Quantient		MCL(g/orang/minggu)	
			Laki-Laki	Wanita	Laki-Laki	Wanita	Laki-Laki	Wanita	Laki-Laki	Wanita
Asinan	Balita	29.05	0.003	0.003	10.956	10.956	0.0010	0.0010	27.84	27.84
	Anak-anak	75.6	0.006	0.006	13.337	13.337	0.0014	0.0014	55.68	55.68
	Remaja	21.49	0.001	0.001	19.053	17.148	0.0001	0.0001	148.49	148.49
	Dewasa	73.36	0.003	0.004	21.435	16.672	0.0003	0.0004	222.73	185.61
Pojoksari	Balita	29.05	0.002	0.002	12.177	12.177	0.0009	0.0009	33.61	33.61
	Anak-anak	43.47	0.003	0.003	14.824	14.824	0.0006	0.0006	67.23	67.23
	Remaja	43.61	0.002	0.002	21.177	19.060	0.0002	0.0002	179.28	179.28
	Dewasa	77.49	0.003	0.004	23.824	18.530	0.0003	0.0003	268.92	224.10
Rowoboni	Balita	26.5	0.002	0.002	11.877	11.877	0.0008	0.0008	30.97	30.97
	Anak-anak	283.22	0.020	0.020	14.458	14.458	0.0046	0.0046	61.94	61.94
	Remaja	57.68	0.003	0.003	20.655	18.589	0.0003	0.0003	165.17	165.17
	Dewasa	90.93	0.004	0.005	23.237	18.073	0.0004	0.0004	247.76	206.47
Candirejo	Balita	-	-	-	-	-	-	-	-	-
	Anak-anak	19.25	0.001	0.001	17.251	17.251	0.0002	0.0002	97.96	97.96
	Remaja	40.18	0.002	0.002	24.644	22.180	0.0002	0.0002	261.24	261.24
	Dewasa	91.77	0.003	0.004	27.725	21.564	0.0002	0.0003	391.86	326.55

$$\text{MCL} = \frac{\text{WC (g/orang/minggu)}}{\text{HC}}$$

Lampiran 6. Hasil Uji Kruskal Wallis (K-Independent Samples) dan Man Whitney U (Two-Indenpent Samples)

Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum
FE	16	4.8201	2.9837	1.66	10.68
LOKASI	15	2.50	1.15	1	4

Mann-Whitney Test

Ranks

LOKASI	N	Mean Rank	Sum of Ranks
FE 1 Asinan	4	6.50	26.00
2 Pojoksari	4	2.50	10.00
Total	8		

Test Statistics^b

	FE
Mann-Whitney U	.000
Wilcoxon W	10.000
Z	-2.309
Asymp. Sig. (2-tailed)	.021
Exact Sig. [2*(1-tailed Sig.)]	.029 ^a

a. Not corrected for ties.

b. Grouping Variable: LOKASI

NPar Tests

Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum
FE	16	4.8201	2.9837	1.66	10.68
LOKASI	16	2.50	1.15	1	4

Mann-Whitney Test

Ranks

LOKASI	N	Mean Rank	Sum of Ranks
FE 1 Asinan	4	6.50	26.00
3 Rowoboni	4	2.50	10.00
Total	8		

Test Statistics^b

	FE
Mann-Whitney U	.000
Wilcoxon W	10.000
Z	-2.309
Asymp. Sig. (2-tailed)	.021
Exact Sig. [2*(1-tailed Sig.)]	.029 ^a

a. Not corrected for ties.

b. Grouping Variable: LOKASI

NPar Tests

Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum
FE	16	4.8201	2.9837	1.66	10.68
LOKASI	16	2.50	1.15	1	4

Mann-Whitney Test

Ranks

	LOKASI	N	Mean Rank	Sum of Ranks
FE	1 Asinan	4	6.50	26.00
	4 Candirejo	4	2.50	10.00
	Total	8		

Test Statistics^b

	FE
Mann-Whitney U	.000
Wilcoxon W	10.000
Z	-2.309
Asymp. Sig. (2-tailed)	.021
Exact Sig. [2*(1-tailed Sig.)]	.029 ^a

a. Not corrected for ties.

b. Grouping Variable: LOKASI

NPar Tests

Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum
FE	16	4.8201	2.9837	1.66	10.68
LOKASI	16	2.50	1.15	1	4

Mann-Whitney Test

Ranks

	LOKASI	N	Mean Rank	Sum of Ranks
FE	2 Pojoksari	4	6.50	26.00
	3 Rowoboni	4	2.50	10.00
	Total	8		

Test Statistics^b

	FE
Mann-Whitney U	.000
Wilcoxon W	10.000
Z	-2.309
Asymp. Sig. (2-tailed)	.021
Exact Sig. [2*(1-tailed Sig.)]	.029 ^a

a. Not corrected for ties.

b. Grouping Variable: LOKASI

NPar Tests

Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum
FE	16	4.8201	2.9837	1.66	10.68
LOKASI	16	2.50	1.15	1	4

Mann-Whitney Test

Ranks

	LOKASI	N	Mean Rank	Sum of Ranks
FE	2 Pojoksari	4	6.50	26.00
	4 Candirejo	4	2.50	10.00
	Total	8		

Test Statistics^b

	FE
Mann-Whitney U	.000
Wilcoxon W	10.000
Z	-2.309
Asymp. Sig. (2-tailed)	.021
Exact Sig. [2*(1-tailed Sig.)]	.029 ^a

a. Not corrected for ties.

b. Grouping Variable: LOKASI

NPar Tests

Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum
FE	16	4.8201	2.9837	1.66	10.68
LOKASI	16	2.50	1.15	1	4

Mann-Whitney Test

Ranks

LOKASI	N	Mean Rank	Sum of Ranks
FE 3 Rowoboni	4	6.50	26.00
4 Candirejo	4	2.50	10.00
Total	8		

Test Statistics^b

	FE
Mann-Whitney U	.000
Wilcoxon W	10.000
Z	-2.309
Asymp. Sig. (2-tailed)	.021
Exact Sig. [2*(1-tailed Sig.)]	.029 ^a

a. Not corrected for ties.

b. Grouping Variable: LOKASI

NPar Tests

Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum
ZN	16	13.4670	2.2067	9.37	17.58
LOKASI	16	2.50	1.15	1	4

Mann-Whitney Test

Ranks

	LOKASI	N	Mean Rank	Sum of Ranks
ZN	1 Asinan	4	6.00	24.00
	2 Pojoksari	4	3.00	12.00
	Total	8		

Test Statistics^b

	ZN
Mann-Whitney U	2.000
Wilcoxon W	12.000
Z	-1.732
Asymp. Sig. (2-tailed)	.083
Exact Sig. [2*(1-tailed Sig.)]	.114 ^a

a. Not corrected for ties.

b. Grouping Variable: LOKASI

NPar Tests

Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum
ZN	16	13.4670	2.2067	9.37	17.58
LOKASI	16	2.50	1.15	1	4

Mann-Whitney Test

Ranks

	LOKASI	N	Mean Rank	Sum of Ranks
ZN	1 Asinan	4	5.50	22.00
	3 Rowoboni	4	3.50	14.00
	Total	8		

Test Statistics^b

	ZN
Mann-Whitney U	4.000
Wilcoxon W	14.000
Z	-1.155
Asymp. Sig. (2-tailed)	.248
Exact Sig. [2*(1-tailed Sig.)]	.343 ^a

a. Not corrected for ties.

b. Grouping Variable: LOKASI

NPar Tests

Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum
ZN	16	13.4670	2.2067	9.37	17.58
LOKASI	16	2.50	1.15	1	4

Mann-Whitney Test

Ranks

	LOKASI	N	Mean Rank	Sum of Ranks
ZN	1 Asinan	4	5.75	23.00
	4 Candirejo	4	3.25	13.00
	Total	8		

Test Statistics^b

	ZN
Mann-Whitney U	3.000
Wilcoxon W	13.000
Z	-1.443
Asymp. Sig. (2-tailed)	.149
Exact Sig. [2*(1-tailed Sig.)]	.200 ^a

a. Not corrected for ties.

b. Grouping Variable: LOKASI

NPar Tests

Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum
ZN	16	13.4670	2.2067	9.37	17.58
LOKASI	16	2.50	1.15	1	4

Mann-Whitney Test

Ranks

	LOKASI	N	Mean Rank	Sum of Ranks
ZN	2 Pojoksari	4	5.25	21.00
	3 Rowoboni	4	3.75	15.00
	Total	8		

Test Statistics^b

	ZN
Mann-Whitney U	5.000
Wilcoxon W	15.000
Z	-.866
Asymp. Sig. (2-tailed)	.386
Exact Sig. [2*(1-tailed Sig.)]	.486 ^a

a. Not corrected for ties.

b. Grouping Variable: LOKASI

NPar Tests

Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum
ZN	16	13.4670	2.2067	9.37	17.58
LOKASI	16	2.50	1.15	1	4

Mann-Whitney Test

Ranks

	LOKASI	N	Mean Rank	Sum of Ranks
ZN	2 Pojoksari	4	5.50	22.00
	4 Candirejo	4	3.50	14.00
	Total	8		

Test Statistics^b

	ZN
Mann-Whitney U	4.000
Wilcoxon W	14.000
Z	-1.155
Asymp. Sig. (2-tailed)	.248
Exact Sig. [2*(1-tailed Sig.)]	.343 ^a

a. Not corrected for ties.

b. Grouping Variable: LOKASI

NPar Tests

Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum
ZN	16	13.4670	2.2067	9.37	17.58
LOKASI	16	2.50	1.15	1	4

Mann-Whitney Test

Ranks

	LOKASI	N	Mean Rank	Sum of Ranks
ZN	3 Rowoboni	4	5.75	23.00
	4 Candirejo	4	3.25	13.00
	Total	8		

Test Statistics^b

	ZN
Mann-Whitney U	3.000
Wilcoxon W	13.000
Z	-1.443
Asymp. Sig. (2-tailed)	.149
Exact Sig. [2*(1-tailed Sig.)]	.200 ^a

a. Not corrected for ties.

b. Grouping Variable: LOKASI

NPar Tests

Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum
CU	16	.3167	6.290E-02	.22	.39
LOKASI	16	2.50	1.15	1	4

Mann-Whitney Test

Ranks

	LOKASI	N	Mean Rank	Sum of Ranks
CU	1 Asinan	4	6.50	26.00
	2 Pojoksari	4	2.50	10.00
	Total	8		

Test Statistics^b

	CU
Mann-Whitney U	.000
Wilcoxon W	10.000
Z	-2.309
Asymp. Sig. (2-tailed)	.021
Exact Sig. [2*(1-tailed Sig.)]	.029 ^a

a. Not corrected for ties.

b. Grouping Variable: LOKASI

NPar Tests

Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum
CU	16	.3167	6.290E-02	.22	.39
LOKASI	16	2.50	1.15	1	4

Mann-Whitney Test

Ranks

	LOKASI	N	Mean Rank	Sum of Ranks
CU	1 Asinan	4	6.50	26.00
	3 Rowoboni	4	2.50	10.00
	Total	8		

Test Statistics^b

	CU
Mann-Whitney U	.000
Wilcoxon W	10.000
Z	-2.309
Asymp. Sig. (2-tailed)	.021
Exact Sig. [2*(1-tailed Sig.)]	.029 ^a

a. Not corrected for ties.

b. Grouping Variable: LOKASI

NPar Tests

Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum
CU	16	.3167	6.290E-02	.22	.39
LOKASI	16	2.50	1.15	1	4

Mann-Whitney Test

Ranks

	LOKASI	N	Mean Rank	Sum of Ranks
CU	1 Asinan	4	6.50	26.00
	4 Candirejo	4	2.50	10.00
	Total	8		

Test Statistics^b

	CU
Mann-Whitney U	.000
Wilcoxon W	10.000
Z	-2.309
Asymp. Sig. (2-tailed)	.021
Exact Sig. [2*(1-tailed Sig.)]	.029 ^a

a. Not corrected for ties.

b. Grouping Variable: LOKASI

NPar Tests

Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum
CU	16	.3167	6.290E-02	.22	.39
LOKASI	16	2.50	1.15	1	4

Mann-Whitney Test

Ranks

	LOKASI	N	Mean Rank	Sum of Ranks
CU	2 Pojoksari	4	2.50	10.00
	3 Rowoboni	4	6.50	26.00
	Total	8		

Test Statistics^b

	CU
Mann-Whitney U	.000
Wilcoxon W	10.000
Z	-2.309
Asymp. Sig. (2-tailed)	.021
Exact Sig. [2*(1-tailed Sig.)]	.029 ^a

a. Not corrected for ties.

b. Grouping Variable: LOKASI

NPar Tests

Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum
CU	16	.3167	6.290E-02	.22	.39
LOKASI	16	2.50	1.15	1	4

Mann-Whitney Test

Ranks

	LOKASI	N	Mean Rank	Sum of Ranks
CU	2 Pojoksari	4	6.50	26.00
	4 Candirejo	4	2.50	10.00
	Total	8		

Test Statistics^b

	CU
Mann-Whitney U	.000
Wilcoxon W	10.000
Z	-2.309
Asymp. Sig. (2-tailed)	.021
Exact Sig. [2*(1-tailed Sig.)]	.029 ^a

a. Not corrected for ties.

b. Grouping Variable: LOKASI

NPar Tests

Descriptive Statistics

	N	Mean	Std. Deviation	Minimum	Maximum
CU	16	.3167	6.290E-02	.22	.39
LOKASI	16	2.50	1.15	1	4

Mann-Whitney Test

Ranks

	LOKASI	N	Mean Rank	Sum of Ranks
CU	3 Rowoboni	4	6.50	26.00
	4 Candirejo	4	2.50	10.00
	Total	8		

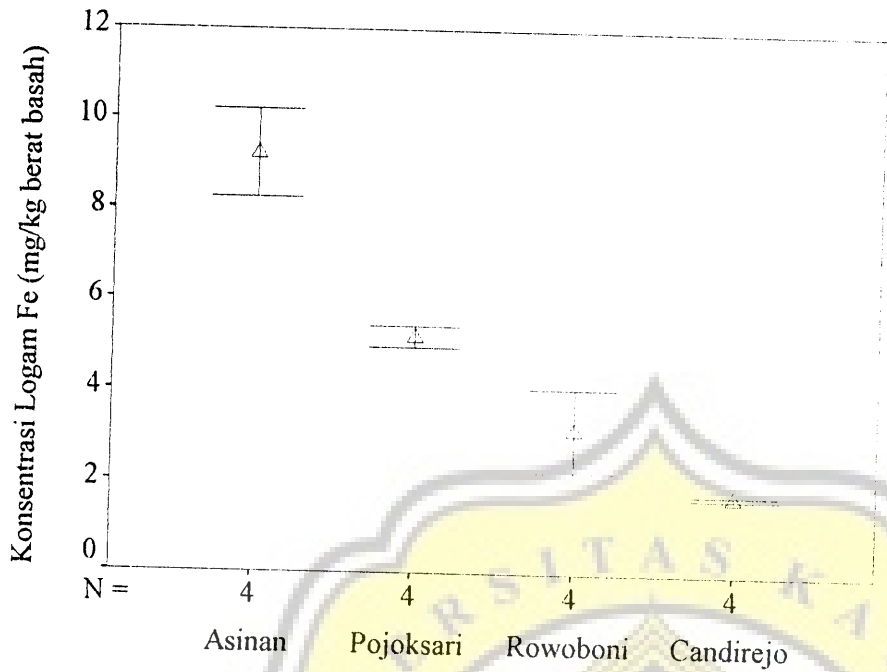
Test Statistics^b

	CU
Mann-Whitney U	.000
Wilcoxon W	10.000
Z	-2.309
Asymp. Sig. (2-tailed)	.021
Exact Sig. [2*(1-tailed Sig.)]	.029 ^a

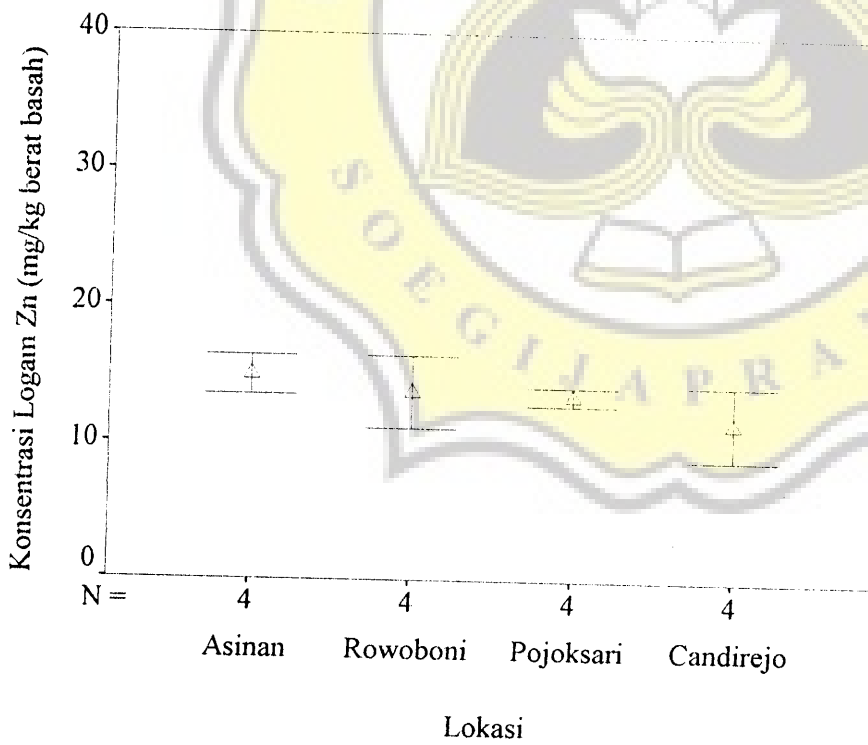
a. Not corrected for ties.

b. Grouping Variable: LOKASI

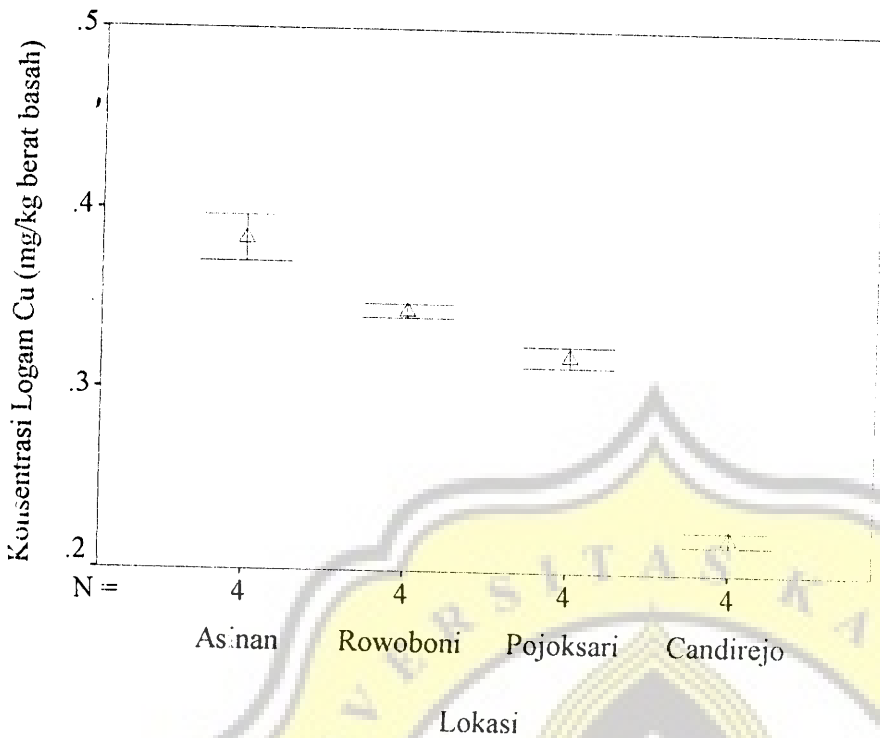
Graph



Graph



Graph



NPar Tests

Kruskal-Wallis Test

Ranks

	LOKASI	N	Mean Rank
FE	1 Asinan	4	14.50
	2 Pojoksari	4	10.50
	3 Rowoboni	4	6.50
	4 Candirejo	4	2.50
	Total	16	
ZN	1 Asinan	4	12.25
	2 Pojoksari	4	8.75
	3 Rowoboni	4	8.00
	4 Candirejo	4	5.00
	Total	16	
CU	1 Asinan	4	14.50
	2 Pojoksari	4	6.50
	3 Rowoboni	4	10.50
	4 Candirejo	4	2.50
	Total	16	

Test Statistics^{a,b}

	FE	ZN	CU
Chi-Square	14.118	4.699	14.118
df	3	3	3
Asymp. Sig.	.003	.195	.003

a. Kruskal Wallis Test

b. Grouping Variable: LOKASI



Tabel Perhitungan Kadar Logam

KODE SAMPEL	BERAT SAMPEL (g) Basah	KADAR AIR % ABU KERING	KADAR LOGAM (ppm)				KADAR LOGAM SAMPEL BASAH (mg/kg berat basah)							
			Fe	Zn	Cd	Cu	Pb	Fe	Zn	Cd	Cu	Pb		
NA1	52.48	10.10	80.76	7.88	11.4	2	0.1	2.07	1	8.64	14.73	0.01	0.38	0.18
NA2	46.82	10.30	78.00	10.24	12.2	2	0.1	1.85	1	10.37	16.52	0.01	0.38	0.20
NA3	52.61	10.20	80.61	8.57	11.1	1.9	0.1	2.09	1	8.39	13.94	0.01	0.38	0.18
NA4	51.00	10.10	80.20	7.87	11.4	1.6	0.1	1.91	1	8.89	13.59	0.01	0.36	0.18
STD	2.71	0.10	1.28	1.12	0.47	0.10	0.00	0.12	0	0.89	1.30	0.00	0.01	0.01
Rata-Rata	50.73	10.18	79.89	8.64	11.53	1.93	0.10	1.98	1	9.07	14.70	0.01	0.38	0.18
NP1	51.15	10.20	80.06	8.34	6.9	1.8	0.1	1.71	1	5.34	13.55	0.01	0.32	0.18
NP2	52.60	10.10	80.80	7.10	6.5	1.9	0.1	1.72	1	4.89	13.94	0.01	0.31	0.18
NP3	52.64	10.30	80.43	7.46	6.8	1.8	0.1	1.69	1	5.12	13.17	0.01	0.31	0.18
NP4	53.47	10.30	80.74	6.99	6.6	1.7	0.1	1.7	1	4.89	12.22	0.01	0.31	0.17
STD	0.96	0.10	0.34	0.61	0.183	0.082	0.000	0.013	0	0.22	0.74	0.00	0.01	0.00
Rata-Rata	52.46	10.23	80.51	7.47	6.7	1.8	0.1	1.705	1	5.06	13.22	0.01	0.31	0.18
NR1	35.24	10.10	71.34	10.64	3.9	1.6	0.1	1.26	1	4.35	17.40	0.01	0.34	0.26
NR2	50.14	10.30	79.46	9.47	3.9	1.7	0.1	1.72	1	3.06	13.03	0.01	0.33	0.19
NR3	59.36	10.10	82.98	8.74	3.3	1.8	0.1	2.11	1	2.18	11.68	0.01	0.34	0.16
NR4	53.94	10.10	81.28	16.02	3.9	1.7	0.1	1.92	1	2.84	12.11	0.01	0.34	0.17
STD	10.33	0.10	5.15	3.30	0.3	0.08	0	0.36	0	0.91	2.63	0.00	0.01	0.05
Rata-Rata	49.67	10.15	78.77	11.22	3.75	1.7	0.1	1.753	1	3.11	13.56	0.01	0.34	0.20
NC1	58.85	10.20	82.67	17.59	2.6	2.3	0.1	1.31	1	1.72	15.18	0.01	0.21	0.16
NC2	58.62	10.30	82.43	14.26	2.5	1.4	0.1	1.32	1	1.66	9.10	0.01	0.21	0.16
NC3	54.57	10.20	81.31	14.06	2.4	1.6	0.1	1.27	1	1.71	11.24	0.01	0.22	0.17
NC4	57.74	10.30	82.16	2.4	2.4	1.5	0.1	1.29	1	1.62	9.93	0.01	0.21	0.16
STD	1.98	0.06	0.59	1.98	0.10	0.41	0.00	0.02	0	0.05	2.69	0.00	0.00	0.01
Rata-Rata	57.45	10.25	82.14	15.30	2.5	1.7	0.1	1.30	1	1.68	11.36	0.01	0.21	0.16

Pengenc

4X

40X PEK PEK PEK

Tabel Perhitungan Konsentrasi Logam

Kode Sampel	Berat Sampel (g)		Kadar Air % Abu	Konsentrasi Logam (ppm)				Konsentrasi Logam Sampel Basah (mg/kg berat basah)						
	Basah	Kering		Fe	Zn	Cd	Cu	Pb	Fe	Zn	Cd	Cu	Pb	
NA1	52.48	10.10	80.76	7.88	11.4	2	0.1	2.07	1	8.64	14.73	0.01	0.38	0.18
NA2	46.82	10.30	78.00	10.24	12.2	2	0.1	1.85	1	10.37	16.52	0.01	0.38	0.20
NA3	52.61	10.20	80.61	8.57	11.1	1.9	0.1	2.09	1	8.39	13.94	0.01	0.38	0.18
NA4	51.00	10.10	80.20	7.87	11.4	1.8	0.1	1.91	1	8.89	13.59	0.01	0.36	0.18
STD	2.71	0.10	1.28	1.12	0.47	0.10	0.00	0.12	0	0.89	1.30	0.00	0.01	0.01
Rata-Rata	50.73	10.18	79.89	8.64	11.53	1.93	0.10	1.98	1	9.07	14.70	0.01	0.38	0.18
NP1	51.15	10.20	80.06	8.34	6.9	1.8	0.1	1.71	1	5.34	13.55	0.01	0.32	0.18
NP2	52.60	10.10	80.80	7.10	6.5	1.9	0.1	1.72	1	4.89	13.94	0.01	0.31	0.18
NP3	52.64	10.30	80.43	7.46	6.8	1.8	0.1	1.69	1	5.12	13.17	0.01	0.31	0.18
NP4	53.47	10.30	80.74	6.99	6.6	1.7	0.1	1.7	1	4.89	12.22	0.01	0.31	0.17
STD	0.96	0.10	0.34	0.61	0.183	0.082	0.000	0.013	0	0.22	0.74	0.00	0.01	0.00
Rata-Rata	52.46	10.23	80.51	7.47	6.7	1.8	0.1	1.705	1	5.06	13.22	0.01	0.31	0.18
NR1	35.24	10.10	71.34	10.64	3.9	1.6	0.1	1.26	1	4.35	17.40	0.01	0.34	0.26
NR2	50.14	10.30	79.46	9.47	3.9	1.7	0.1	1.72	1	3.06	13.03	0.01	0.33	0.19
NR3	59.36	10.10	82.98	8.74	3.3	1.8	0.1	2.11	1	2.18	11.68	0.01	0.34	0.16
NR4	53.94	10.10	81.28	16.02	3.9	1.7	0.1	1.92	1	2.84	12.11	0.01	0.34	0.17
STD	10.33	0.10	5.15	3.30	0.3	0.08	0	0.36	0	0.91	2.63	0.00	0.01	0.05
Rata-Rata	49.67	10.15	78.77	11.22	3.75	1.7	0.1	1.7525	1	3.11	13.56	0.01	0.34	0.20
NC1	58.85	10.20	82.67	17.59	2.6	2.3	0.1	1.31	1	1.72	15.18	0.01	0.21	0.16
NC2	58.62	10.30	82.43	14.26	2.5	1.4	0.1	1.32	1	1.66	9.10	0.01	0.21	0.16
NC3	54.57	10.20	81.31	14.06	2.4	1.6	0.1	1.27	1	1.71	11.24	0.01	0.22	0.17
NC4	57.74	10.30	82.16		2.4	1.5	0.1	1.29	1	1.62	9.93	0.01	0.21	0.16
STD	1.98	0.06	0.59	1.98	0.10	0.41	0.00	0.02	0	0.05	2.69	0.00	0.00	0.01
Rata-Rata	57.45	10.25	82.14	15.30	2.5	1.7	0.1	1.30	1	1.68	11.36	0.01	0.21	0.16
Pengenc						4X	40X	PEK	PEK	PEK				

Lampiran 8

Hasil Pengukuran Bahan Kimia yang digunakan dan Larutan Standar (ppm)

Bahan	Ulangan	Konsentrasi Logam				
		Fe	Cu	Zn	Pb	Cd
HNO3	1	0.1	0	0	0	0
HNO3	2	0.1	0	0	0	0
HNO3	3	0	0	0	0	0
Aquadest	1	0	0	0	0	0
Aquadest	2	0.1	0	0	0	0
Aquadest	3	0.1	0	0	0	0
HCL+HNO:	1	0.3	0	0.1	0	0
HCL+HNO:	2	0.2	0	0.1	0	0
HCL+HNO:	3	0.2	0	0.1	0	0

Konsentrasi larutan Standar (ppm)

Logam	Konsentrasi larutan Standar (ppm)			
Fe	1.50	3.00	9.00	14.00
Zn	0.30	0.60	1.20	2.40
Pb	5.00	10.00	20.00	40.00
Cd	0.30	0.60	1.20	1.87
Cu	1.25	2.50	5.00	10.00