

DAFTAR LAMPIRAN

Lampiran 1. Hasil Penelitian

Jumlah nyamuk mati per-	Konsentrasi			
	30%	40%	50%	Kontrol + Kontrol -
1 Jam	0	1	1	25 0
2 Jam	1	2	4	25 0
3 Jam	5	6	7	25 0
4 Jam	8	10	11	25 0
5 Jam	11	12	15	25 0
6 Jam	14	18	24	25 0
24 Jam	25	25	25	25 0

Jumlah nyamuk mati per-	Konsentrasi			
	30%	40%	50%	Kontrol + Kontrol -
1 Jam	0	1	2	25 0
2 Jam	2	3	5	25 0
3 Jam	5	7	8	25 0
4 Jam	9	11	13	25 0
5 Jam	12	15	17	25 0
6 Jam	15	20	22	25 0
24 Jam	25	25	25	25 0

Jumlah nyamuk mati per-	Konsentrasi			
	30%	40%	50%	Kontrol + Kontrol -
1 Jam	0	1	2	25 0
2 Jam	2	3	4	25 0
3 Jam	6	7	8	25 0
4 Jam	9	11	15	25 0
5 Jam	12	14	18	25 0
6 Jam	16	20	23	25 0
24 Jam	25	25	25	25 0

Jumlah nyamuk mati per-	Konsentrasi			
	30%	40%	50%	Kontrol + Kontrol -
1 Jam	0	1	2	25 0
2 Jam	2	4	6	25 0
3 Jam	5	6	9	25 0
4 Jam	10	11	12	25 0
5 Jam	13	14	16	25 0
6 Jam	16	20	22	25 0
24 Jam	25	25	25	25 0

Lampiran 2. Hasil Uji Kruskal Wallis

Test Statistics^{a,b}

	Pengulangan_1	Pengulangan_2	Pengulangan_3	Pengulangan_4
Chi-Square	12.565	12.455	12.474	12.498
df	5	5	5	5
Asymp. Sig.	.028	.029	.029	.029

a. Kruskal Wallis Test

b. Grouping Variable: Jam

Test Statistics^{a,b}

	Pengulangan_1	Pengulangan_2	Pengulangan_3	Pengulangan_4
Chi-Square	24.363	24.420	24.422	24.408
df	6	6	6	6
Asymp. Sig.	.000	.000	.000	.000

a. Kruskal Wallis Test

b. Grouping Variable: Konsentrasi

Lampiran 3. Hasil Uji Pos Hoc Mann Whitney

Ranks				
	Konsentrasi	N	Mean Rank	Sum of Ranks
Pengulangan_1	Kontrol Negatif	7	4.00	28.00
	Kontrol Positif	7	11.00	77.00
	Total	14		
Pengulangan_2	Kontrol Negatif	7	4.00	28.00
	Kontrol Positif	7	11.00	77.00
	Total	14		
Pengulangan_3	Kontrol Negatif	7	4.00	28.00
	Kontrol Positif	7	11.00	77.00
	Total	14		
Pengulangan_4	Kontrol Negatif	7	4.00	28.00
	Kontrol Positif	7	11.00	77.00
	Total	14		

Test Statistics ^b				
	Pengulangan_1	Pengulangan_2	Pengulangan_3	Pengulangan_4
Mann-Whitney U	.000	.000	.000	.000
Wilcoxon W	28.000	28.000	28.000	28.000
Z	-3.606	-3.606	-3.606	-3.606
Asymp. Sig. (2-tailed)	.000	.000	.000	.000
Exact Sig. [2*(1-tailed Sig.)]	.001 ^a	.001 ^a	.001 ^a	.001 ^a

a. Not corrected for ties.

b. Grouping Variable: Konsentrasi

Ranks

	Konsentrasi	N	Mean Rank	Sum of Ranks
Pengulangan_1	Kontrol Negatif	7	4.50	31.50
	30 %	7	10.50	73.50
	Total	14		
Pengulangan_2	Kontrol Negatif	7	4.50	31.50
	30 %	7	10.50	73.50
	Total	14		
Pengulangan_3	Kontrol Negatif	7	4.50	31.50
	30 %	7	10.50	73.50
	Total	14		
Pengulangan_4	Kontrol Negatif	7	4.50	31.50
	30 %	7	10.50	73.50
	Total	14		

Test Statistics^b

	Pengulangan_1	Pengulangan_2	Pengulangan_3	Pengulangan_4
Mann-Whitney U	3.500	3.500	3.500	3.500
Wilcoxon W	31.500	31.500	31.500	31.500
Z	-2.972	-2.972	-2.972	-2.972
Asymp. Sig. (2-tailed)	.003	.003	.003	.003
Exact Sig. [2*(1-tailed Sig.)]	.004 ^a	.004 ^a	.004 ^a	.004 ^a

a. Not corrected for ties.

b. Grouping Variable: Konsentrasi

Ranks

	Konsentrasi	N	Mean Rank	Sum of Ranks
Pengulangan_1	Kontrol Negatif	7	4.50	31.50
	35 %	7	10.50	73.50
	Total	14		
Pengulangan_2	Kontrol Negatif	7	4.50	31.50
	35 %	7	10.50	73.50
	Total	14		
Pengulangan_3	Kontrol Negatif	7	4.50	31.50
	35 %	7	10.50	73.50
	Total	14		
Pengulangan_4	Kontrol Negatif	7	4.50	31.50
	35 %	7	10.50	73.50
	Total	14		

Test Statistics^b

	Pengulangan_1	Pengulangan_2	Pengulangan_3	Pengulangan_4
Mann-Whitney U	3.500	3.500	3.500	3.500
Wilcoxon W	31.500	31.500	31.500	31.500
Z	-2.972	-2.972	-2.972	-2.972
Asymp. Sig. (2-tailed)	.003	.003	.003	.003
Exact Sig. [2*(1-tailed Sig.)]	.004 ^a	.004 ^a	.004 ^a	.004 ^a

a. Not corrected for ties.

b. Grouping Variable: Konsentrasi

Ranks

	Konsentrasi	N	Mean Rank	Sum of Ranks
Pengulangan_1	Kontrol Negatif	7	4.50	31.50
	40 %	7	10.50	73.50
	Total	14		
Pengulangan_2	Kontrol Negatif	7	4.50	31.50
	40 %	7	10.50	73.50
	Total	14		
Pengulangan_3	Kontrol Negatif	7	4.50	31.50
	40 %	7	10.50	73.50
	Total	14		
Pengulangan_4	Kontrol Negatif	7	4.50	31.50
	40 %	7	10.50	73.50
	Total	14		

Test Statistics^b

	Pengulangan_1	Pengulangan_2	Pengulangan_3	Pengulangan_4
Mann-Whitney U	3.500	3.500	3.500	3.500
Wilcoxon W	31.500	31.500	31.500	31.500
Z	-2.972	-2.972	-2.972	-2.972
Asymp. Sig. (2-tailed)	.003	.003	.003	.003
Exact Sig. [2*(1-tailed Sig.)]	.004 ^a	.004 ^a	.004 ^a	.004 ^a

a. Not corrected for ties.

b. Grouping Variable: Konsentrasi

Ranks

	Konsentrasi	N	Mean Rank	Sum of Ranks
Pengulangan_1	Kontrol Negatif	7	4.50	31.50
	45 %	7	10.50	73.50
	Total	14		
Pengulangan_2	Kontrol Negatif	7	4.50	31.50
	45 %	7	10.50	73.50
	Total	14		
Pengulangan_3	Kontrol Negatif	7	4.50	31.50
	45 %	7	10.50	73.50
	Total	14		
Pengulangan_4	Kontrol Negatif	7	4.50	31.50
	45 %	7	10.50	73.50
	Total	14		

Test Statistics^b

	Pengulangan_1	Pengulangan_2	Pengulangan_3	Pengulangan_4
Mann-Whitney U	3.500	3.500	3.500	3.500
Wilcoxon W	31.500	31.500	31.500	31.500
Z	-2.972	-2.972	-2.972	-2.972
Asymp. Sig. (2-tailed)	.003	.003	.003	.003
Exact Sig. [2*(1-tailed Sig.)]	.004 ^a	.004 ^a	.004 ^a	.004 ^a

a. Not corrected for ties.

b. Grouping Variable: Konsentrasi

Ranks

	Konsentrasi	N	Mean Rank	Sum of Ranks
Pengulangan_1	Kontrol Negatif	7	4.50	31.50
	50 %	7	10.50	73.50
	Total	14		
Pengulangan_2	Kontrol Negatif	7	4.50	31.50
	50 %	7	10.50	73.50
	Total	14		
Pengulangan_3	Kontrol Negatif	7	4.50	31.50
	50 %	7	10.50	73.50
	Total	14		
Pengulangan_4	Kontrol Negatif	7	4.50	31.50
	50 %	7	10.50	73.50
	Total	14		

Test Statistics^b

	Pengulangan_1	Pengulangan_2	Pengulangan_3	Pengulangan_4
Mann-Whitney U	3.500	3.500	3.500	3.500
Wilcoxon W	31.500	31.500	31.500	31.500
Z	-2.972	-2.972	-2.972	-2.972
Asymp. Sig. (2-tailed)	.003	.003	.003	.003
Exact Sig. [2*(1-tailed Sig.)]	.004 ^a	.004 ^a	.004 ^a	.004 ^a

a. Not corrected for ties.

b. Grouping Variable: Konsentrasi

Ranks

	Konsentrasi	N	Mean Rank	Sum of Ranks
Pengulangan_1	Kontrol Positif	7	10.50	73.50
	30 %	7	4.50	31.50
	Total	14		
Pengulangan_2	Kontrol Positif	7	10.50	73.50
	30 %	7	4.50	31.50
	Total	14		
Pengulangan_3	Kontrol Positif	7	10.50	73.50
	30 %	7	4.50	31.50
	Total	14		
Pengulangan_4	Kontrol Positif	7	10.50	73.50
	30 %	7	4.50	31.50
	Total	14		

Test Statistics^b

	Pengulangan_1	Pengulangan_2	Pengulangan_3	Pengulangan_4
Mann-Whitney U	3.500	3.500	3.500	3.500
Wilcoxon W	31.500	31.500	31.500	31.500
Z	-2.972	-2.972	-2.972	-2.972
Asymp. Sig. (2-tailed)	.003	.003	.003	.003
Exact Sig. [2*(1-tailed Sig.)]	.004 ^a	.004 ^a	.004 ^a	.004 ^a

a. Not corrected for ties.

b. Grouping Variable: Konsentrasi

Ranks

	Konsentrasi	N	Mean Rank	Sum of Ranks
Pengulangan_1	Kontrol Positif	7	10.50	73.50
	35 %	7	4.50	31.50
	Total	14		
Pengulangan_2	Kontrol Positif	7	10.50	73.50
	35 %	7	4.50	31.50
	Total	14		
Pengulangan_3	Kontrol Positif	7	10.50	73.50
	35 %	7	4.50	31.50
	Total	14		
Pengulangan_4	Kontrol Positif	7	10.50	73.50
	35 %	7	4.50	31.50
	Total	14		

Test Statistics^b

	Pengulangan_1	Pengulangan_2	Pengulangan_3	Pengulangan_4
Mann-Whitney U	3.500	3.500	3.500	3.500
Wilcoxon W	31.500	31.500	31.500	31.500
Z	-2.972	-2.972	-2.972	-2.972
Asymp. Sig. (2-tailed)	.003	.003	.003	.003
Exact Sig. [2*(1-tailed Sig.)]	.004 ^a	.004 ^a	.004 ^a	.004 ^a

a. Not corrected for ties.

b. Grouping Variable: Konsentrasi

Ranks

	Konsentrasi	N	Mean Rank	Sum of Ranks
Pengulangan_1	Kontrol Positif	7	10.50	73.50
	40 %	7	4.50	31.50
	Total	14		
Pengulangan_2	Kontrol Positif	7	10.50	73.50
	40 %	7	4.50	31.50
	Total	14		
Pengulangan_3	Kontrol Positif	7	10.50	73.50
	40 %	7	4.50	31.50
	Total	14		
Pengulangan_4	Kontrol Positif	7	10.50	73.50
	40 %	7	4.50	31.50
	Total	14		

Test Statistics^b

	Pengulangan_1	Pengulangan_2	Pengulangan_3	Pengulangan_4
Mann-Whitney U	3.500	3.500	3.500	3.500
Wilcoxon W	31.500	31.500	31.500	31.500
Z	-2.972	-2.972	-2.972	-2.972
Asymp. Sig. (2-tailed)	.003	.003	.003	.003
Exact Sig. [2*(1-tailed Sig.)]	.004 ^a	.004 ^a	.004 ^a	.004 ^a

a. Not corrected for ties.

b. Grouping Variable: Konsentrasi

Ranks

	Konsentrasi	N	Mean Rank	Sum of Ranks
Pengulangan_1	Kontrol Positif	7	10.50	73.50
	45 %	7	4.50	31.50
	Total	14		
Pengulangan_2	Kontrol Positif	7	10.50	73.50
	45 %	7	4.50	31.50
	Total	14		
Pengulangan_3	Kontrol Positif	7	10.50	73.50
	45 %	7	4.50	31.50
	Total	14		
Pengulangan_4	Kontrol Positif	7	10.50	73.50
	45 %	7	4.50	31.50
	Total	14		

Test Statistics^b

	Pengulangan_1	Pengulangan_2	Pengulangan_3	Pengulangan_4
Mann-Whitney U	3.500	3.500	3.500	3.500
Wilcoxon W	31.500	31.500	31.500	31.500
Z	-2.972	-2.972	-2.972	-2.972
Asymp. Sig. (2-tailed)	.003	.003	.003	.003
Exact Sig. [2*(1-tailed Sig.)]	.004 ^a	.004 ^a	.004 ^a	.004 ^a

a. Not corrected for ties.

b. Grouping Variable: Konsentrasi

Ranks

	Konsentrasi	N	Mean Rank	Sum of Ranks
Pengulangan_1	Kontrol Positif	7	10.50	73.50
	50 %	7	4.50	31.50
	Total	14		
Pengulangan_2	Kontrol Positif	7	10.50	73.50
	50 %	7	4.50	31.50
	Total	14		
Pengulangan_3	Kontrol Positif	7	10.50	73.50
	50 %	7	4.50	31.50
	Total	14		
Pengulangan_4	Kontrol Positif	7	10.50	73.50
	50 %	7	4.50	31.50
	Total	14		

Test Statistics^b

	Pengulangan_1	Pengulangan_2	Pengulangan_3	Pengulangan_4
Mann-Whitney U	3.500	3.500	3.500	3.500
Wilcoxon W	31.500	31.500	31.500	31.500
Z	-2.972	-2.972	-2.972	-2.972
Asymp. Sig. (2-tailed)	.003	.003	.003	.003
Exact Sig. [2*(1-tailed Sig.)]	.004 ^a	.004 ^a	.004 ^a	.004 ^a

a. Not corrected for ties.

b. Grouping Variable: Konsentrasi

Ranks

	Konsentrasi	N	Mean Rank	Sum of Ranks
Pengulangan_1	30 %	7	7.29	51.00
	35 %	7	7.71	54.00
	Total	14		
Pengulangan_2	30 %	7	7.21	50.50
	35 %	7	7.79	54.50
	Total	14		
Pengulangan_3	30 %	7	7.21	50.50
	35 %	7	7.79	54.50
	Total	14		
Pengulangan_4	30 %	7	7.21	50.50
	35 %	7	7.79	54.50
	Total	14		

Test Statistics^b

	Pengulangan_1	Pengulangan_2	Pengulangan_3	Pengulangan_4
Mann-Whitney U	23.000	22.500	22.500	22.500
Wilcoxon W	51.000	50.500	50.500	50.500
Z	-.193	-.256	-.256	-.256
Asymp. Sig. (2-tailed)	.847	.798	.798	.798
Exact Sig. [2*(1-tailed Sig.)]	.902 ^a	.805 ^a	.805 ^a	.805 ^a

a. Not corrected for ties.

b. Grouping Variable: Konsentrasi

Ranks

	Konsentrasi	N	Mean Rank	Sum of Ranks
Pengulangan_1	30 %	7	7.21	50.50
	40 %	7	7.79	54.50
	Total	14		
Pengulangan_2	30 %	7	7.07	49.50
	40 %	7	7.93	55.50
	Total	14		
Pengulangan_3	30 %	7	7.14	50.00
	40 %	7	7.86	55.00
	Total	14		
Pengulangan_4	30 %	7	7.21	50.50
	40 %	7	7.79	54.50
	Total	14		

Test Statistics^b

	Pengulangan_1	Pengulangan_2	Pengulangan_3	Pengulangan_4
Mann-Whitney U	22.500	21.500	22.000	22.500
Wilcoxon W	50.500	49.500	50.000	50.500
Z	-.256	-.385	-.320	-.256
Asymp. Sig. (2-tailed)	.798	.701	.749	.798
Exact Sig. [2*(1-tailed Sig.)]	.805 ^a	.710 ^a	.805 ^a	.805 ^a

a. Not corrected for ties.

b. Grouping Variable: Konsentrasi

Ranks

	Konsentrasi	N	Mean Rank	Sum of Ranks
Pengulangan_1	30 %	7	7.14	50.00
	45 %	7	7.86	55.00
	Total	14		
Pengulangan_2	30 %	7	7.00	49.00
	45 %	7	8.00	56.00
	Total	14		
Pengulangan_3	30 %	7	7.00	49.00
	45 %	7	8.00	56.00
	Total	14		
Pengulangan_4	30 %	7	7.07	49.50
	45 %	7	7.93	55.50
	Total	14		

Test Statistics^b

	Pengulangan_1	Pengulangan_2	Pengulangan_3	Pengulangan_4
Mann-Whitney U	22.000	21.000	21.000	21.500
Wilcoxon W	50.000	49.000	49.000	49.500
Z	-.320	-.448	-.449	-.385
Asymp. Sig. (2-tailed)	.749	.654	.653	.701
Exact Sig. [2*(1-tailed Sig.)]	.805 ^a	.710 ^a	.710 ^a	.710 ^a

a. Not corrected for ties.

b. Grouping Variable: Konsentrasi

Ranks

	Konsentrasi	N	Mean Rank	Sum of Ranks
Pengulangan_1	30 %	7	7.00	49.00
	50 %	7	8.00	56.00
	Total	14		
Pengulangan_2	30 %	7	6.86	48.00
	50 %	7	8.14	57.00
	Total	14		
Pengulangan_3	30 %	7	6.93	48.50
	50 %	7	8.07	56.50
	Total	14		
Pengulangan_4	30 %	7	6.93	48.50
	50 %	7	8.07	56.50
	Total	14		

Test Statistics^b

	Pengulangan_1	Pengulangan_2	Pengulangan_3	Pengulangan_4
Mann-Whitney U	21.000	20.000	20.500	20.500
Wilcoxon W	49.000	48.000	48.500	48.500
Z	-.449	-.576	-.513	-.513
Asymp. Sig. (2-tailed)	.653	.564	.608	.608
Exact Sig. [2*(1-tailed Sig.)]	.710 ^a	.620 ^a	.620 ^a	.620 ^a

a. Not corrected for ties.

b. Grouping Variable: Konsentrasi

Ranks

	Konsentrasi	N	Mean Rank	Sum of Ranks
Pengulangan_1	35 %	7	7.29	51.00
	40 %	7	7.71	54.00
	Total	14		
Pengulangan_2	35 %	7	7.29	51.00
	40 %	7	7.71	54.00
	Total	14		
Pengulangan_3	35 %	7	7.21	50.50
	40 %	7	7.79	54.50
	Total	14		
Pengulangan_4	35 %	7	7.43	52.00
	40 %	7	7.57	53.00
	Total	14		

Test Statistics^b

	Pengulangan_1	Pengulangan_2	Pengulangan_3	Pengulangan_4
Mann-Whitney U	23.000	23.000	22.500	24.000
Wilcoxon W	51.000	51.000	50.500	52.000
Z	-.193	-.193	-.256	-.064
Asymp. Sig. (2-tailed)	.847	.847	.798	.949
Exact Sig. [2*(1-tailed Sig.)]	.902 ^a	.902 ^a	.805 ^a	1.000 ^a

a. Not corrected for ties.

b. Grouping Variable: Konsentrasi

Ranks

	Konsentrasi	N	Mean Rank	Sum of Ranks
Pengulangan_1	35 %	7	7.14	50.00
	45 %	7	7.86	55.00
	Total	14		
Pengulangan_2	35 %	7	7.21	50.50
	45 %	7	7.79	54.50
	Total	14		
Pengulangan_3	35 %	7	7.14	50.00
	45 %	7	7.86	55.00
	Total	14		
Pengulangan_4	35 %	7	7.14	50.00
	45 %	7	7.86	55.00
	Total	14		

Test Statistics^b

	Pengulangan_1	Pengulangan_2	Pengulangan_3	Pengulangan_4
Mann-Whitney U	22.000	22.500	22.000	22.000
Wilcoxon W	50.000	50.500	50.000	50.000
Z	-.320	-.256	-.320	-.320
Asymp. Sig. (2-tailed)	.749	.798	.749	.749
Exact Sig. [2*(1-tailed Sig.)]	.805 ^a	.805 ^a	.805 ^a	.805 ^a

a. Not corrected for ties.

b. Grouping Variable: Konsentrasi

Ranks

	Konsentrasi	N	Mean Rank	Sum of Ranks
Pengulangan_1	35 %	7	7.14	50.00
	50 %	7	7.86	55.00
	Total	14		
Pengulangan_2	35 %	7	7.21	50.50
	50 %	7	7.79	54.50
	Total	14		
Pengulangan_3	35 %	7	7.07	49.50
	50 %	7	7.93	55.50
	Total	14		
Pengulangan_4	35 %	7	7.07	49.50
	50 %	7	7.93	55.50
	Total	14		

Test Statistics^b

	Pengulangan_1	Pengulangan_2	Pengulangan_3	Pengulangan_4
Mann-Whitney U	22.000	22.500	21.500	21.500
Wilcoxon W	50.000	50.500	49.500	49.500
Z	-.320	-.256	-.385	-.385
Asymp. Sig. (2-tailed)	.749	.798	.701	.701
Exact Sig. [2*(1-tailed Sig.)]	.805 ^a	.805 ^a	.710 ^a	.710 ^a

a. Not corrected for ties.

b. Grouping Variable: Konsentrasi

Ranks

	Konsentrasi	N	Mean Rank	Sum of Ranks
Pengulangan_1	40 %	7	7.29	51.00
	45 %	7	7.71	54.00
	Total	14		
Pengulangan_2	40 %	7	7.36	51.50
	45 %	7	7.64	53.50
	Total	14		
Pengulangan_3	40 %	7	7.29	51.00
	45 %	7	7.71	54.00
	Total	14		
Pengulangan_4	40 %	7	7.21	50.50
	45 %	7	7.79	54.50
	Total	14		

Test Statistics^b

	Pengulangan_1	Pengulangan_2	Pengulangan_3	Pengulangan_4
Mann-Whitney U	23.000	23.500	23.000	22.500
Wilcoxon W	51.000	51.500	51.000	50.500
Z	-.193	-.128	-.193	-.256
Asymp. Sig. (2-tailed)	.847	.898	.847	.798
Exact Sig. [2*(1-tailed Sig.)]	.902 ^a	.902 ^a	.902 ^a	.805 ^a

a. Not corrected for ties.

b. Grouping Variable: Konsentrasi

Ranks

	Konsentrasi	N	Mean Rank	Sum of Ranks
Pengulangan_1	40 %	7	7.14	50.00
	50 %	7	7.86	55.00
	Total	14		
Pengulangan_2	40 %	7	7.21	50.50
	50 %	7	7.79	54.50
	Total	14		
Pengulangan_3	40 %	7	7.21	50.50
	50 %	7	7.79	54.50
	Total	14		
Pengulangan_4	40 %	7	7.14	50.00
	50 %	7	7.86	55.00
	Total	14		

Test Statistics^b

	Pengulangan_1	Pengulangan_2	Pengulangan_3	Pengulangan_4
Mann-Whitney U	22.000	22.500	22.500	22.000
Wilcoxon W	50.000	50.500	50.500	50.000
Z	-.320	-.256	-.256	-.320
Asymp. Sig. (2-tailed)	.749	.798	.798	.749
Exact Sig. [2*(1-tailed Sig.)]	.805 ^a	.805 ^a	.805 ^a	.805 ^a

a. Not corrected for ties.

b. Grouping Variable: Konsentrasi

Ranks

	Konsentrasi	N	Mean Rank	Sum of Ranks
Pengulangan_1	45 %	7	7.29	51.00
	50 %	7	7.71	54.00
	Total	14		
Pengulangan_2	45 %	7	7.21	50.50
	50 %	7	7.79	54.50
	Total	14		
Pengulangan_3	45 %	7	7.29	51.00
	50 %	7	7.71	54.00
	Total	14		
Pengulangan_4	45 %	7	7.21	50.50
	50 %	7	7.79	54.50
	Total	14		

Test Statistics^b

	Pengulangan_1	Pengulangan_2	Pengulangan_3	Pengulangan_4
Mann-Whitney U	23.000	22.500	23.000	22.500
Wilcoxon W	51.000	50.500	51.000	50.500
Z	-.193	-.256	-.193	-.256
Asymp. Sig. (2-tailed)	.847	.798	.847	.798
Exact Sig. [2*(1-tailed Sig.)]	.902 ^a	.805 ^a	.902 ^a	.805 ^a

a. Not corrected for ties.

b. Grouping Variable: Konsentrasi

Ranks

	Jam	N	Mean Rank	Sum of Ranks
Pengulangan_1	1	7	5.36	37.50
	2	7	9.64	67.50
	Total	14		
Pengulangan_2	1	7	5.36	37.50
	2	7	9.64	67.50
	Total	14		
Pengulangan_3	1	7	5.36	37.50
	2	7	9.64	67.50
	Total	14		
Pengulangan_4	1	7	5.36	37.50
	2	7	9.64	67.50
	Total	14		

Test Statistics^b

	Pengulangan_1	Pengulangan_2	Pengulangan_3	Pengulangan_4
Mann-Whitney U	9.500	9.500	9.500	9.500
Wilcoxon W	37.500	37.500	37.500	37.500
Z	-2.062	-2.076	-2.062	-2.062
Asymp. Sig. (2-tailed)	.039	.038	.039	.039
Exact Sig. [2*(1-tailed Sig.)]	.053 ^a	.053 ^a	.053 ^a	.053 ^a

a. Not corrected for ties.

b. Grouping Variable: Jam

Ranks

	Jam	N	Mean Rank	Sum of Ranks
Pengulangan_1	1	7	5.36	37.50
	3	7	9.64	67.50
	Total	14		
Pengulangan_2	1	7	5.36	37.50
	3	7	9.64	67.50
	Total	14		
Pengulangan_3	1	7	5.36	37.50
	3	7	9.64	67.50
	Total	14		
Pengulangan_4	1	7	5.36	37.50
	3	7	9.64	67.50
	Total	14		

Test Statistics^b

	Pengulangan_1	Pengulangan_2	Pengulangan_3	Pengulangan_4
Mann-Whitney U	9.500	9.500	9.500	9.500
Wilcoxon W	37.500	37.500	37.500	37.500
Z	-2.052	-2.052	-2.052	-2.052
Asymp. Sig. (2-tailed)	.040	.040	.040	.040
Exact Sig. [2*(1-tailed Sig.)]	.053 ^a	.053 ^a	.053 ^a	.053 ^a

a. Not corrected for ties.

b. Grouping Variable: Jam

Ranks

	Jam	N	Mean Rank	Sum of Ranks
Pengulangan_1	1	7	5.36	37.50
	4	7	9.64	67.50
	Total	14		
Pengulangan_2	1	7	5.36	37.50
	4	7	9.64	67.50
	Total	14		
Pengulangan_3	1	7	5.36	37.50
	4	7	9.64	67.50
	Total	14		
Pengulangan_4	1	7	5.36	37.50
	4	7	9.64	67.50
	Total	14		

Test Statistics^b

	Pengulangan_1	Pengulangan_2	Pengulangan_3	Pengulangan_4
Mann-Whitney U	9.500	9.500	9.500	9.500
Wilcoxon W	37.500	37.500	37.500	37.500
Z	-2.052	-2.054	-2.052	-2.052
Asymp. Sig. (2-tailed)	.040	.040	.040	.040
Exact Sig. [2*(1-tailed Sig.)]	.053 ^a	.053 ^a	.053 ^a	.053 ^a

a. Not corrected for ties.

b. Grouping Variable: Jam

Ranks

	Jam	N	Mean Rank	Sum of Ranks
Pengulangan_1	1	7	5.36	37.50
	5	7	9.64	67.50
	Total	14		
Pengulangan_2	1	7	5.36	37.50
	5	7	9.64	67.50
	Total	14		
Pengulangan_3	1	7	5.36	37.50
	5	7	9.64	67.50
	Total	14		
Pengulangan_4	1	7	5.36	37.50
	5	7	9.64	67.50
	Total	14		

Test Statistics^b

	Pengulangan_1	Pengulangan_2	Pengulangan_3	Pengulangan_4
Mann-Whitney U	9.500	9.500	9.500	9.500
Wilcoxon W	37.500	37.500	37.500	37.500
Z	-2.054	-2.049	-2.052	-2.052
Asymp. Sig. (2-tailed)	.040	.040	.040	.040
Exact Sig. [2*(1-tailed Sig.)]	.053 ^a	.053 ^a	.053 ^a	.053 ^a

a. Not corrected for ties.

b. Grouping Variable: Jam

Ranks

	Jam	N	Mean Rank	Sum of Ranks
Pengulangan_1	1	7	5.36	37.50
	6	7	9.64	67.50
	Total	14		
Pengulangan_2	1	7	5.36	37.50
	6	7	9.64	67.50
	Total	14		
Pengulangan_3	1	7	5.36	37.50
	6	7	9.64	67.50
	Total	14		
Pengulangan_4	1	7	5.36	37.50
	6	7	9.64	67.50
	Total	14		

Test Statistics^b

	Pengulangan_1	Pengulangan_2	Pengulangan_3	Pengulangan_4
Mann-Whitney U	9.500	9.500	9.500	9.500
Wilcoxon W	37.500	37.500	37.500	37.500
Z	-2.052	-2.052	-2.049	-2.052
Asymp. Sig. (2-tailed)	.040	.040	.040	.040
Exact Sig. [2*(1-tailed Sig.)]	.053 ^a	.053 ^a	.053 ^a	.053 ^a

a. Not corrected for ties.

b. Grouping Variable: Jam

Ranks

	Jam	N	Mean Rank	Sum of Ranks
Pengulangan_1	1	7	5.00	35.00
	24	7	10.00	70.00
	Total	14		
Pengulangan_2	1	7	5.00	35.00
	24	7	10.00	70.00
	Total	14		
Pengulangan_3	1	7	5.00	35.00
	24	7	10.00	70.00
	Total	14		
Pengulangan_4	1	7	5.00	35.00
	24	7	10.00	70.00
	Total	14		

Test Statistics^b

	Pengulangan_1	Pengulangan_2	Pengulangan_3	Pengulangan_4
Mann-Whitney U	7.000	7.000	7.000	7.000
Wilcoxon W	35.000	35.000	35.000	35.000
Z	-2.575	-2.575	-2.575	-2.575
Asymp. Sig. (2-tailed)	.010	.010	.010	.010
Exact Sig. [2*(1-tailed Sig.)]	.026 ^a	.026 ^a	.026 ^a	.026 ^a

a. Not corrected for ties.

b. Grouping Variable: Jam

Ranks

	Jam	N	Mean Rank	Sum of Ranks
Pengulangan_1	2	7	5.71	40.00
	3	7	9.29	65.00
	Total	14		
Pengulangan_2	2	7	5.71	40.00
	3	7	9.29	65.00
	Total	14		
Pengulangan_3	2	7	5.71	40.00
	3	7	9.29	65.00
	Total	14		
Pengulangan_4	2	7	5.71	40.00
	3	7	9.29	65.00
	Total	14		

Test Statistics^b

	Pengulangan_1	Pengulangan_2	Pengulangan_3	Pengulangan_4
Mann-Whitney U	12.000	12.000	12.000	12.000
Wilcoxon W	40.000	40.000	40.000	40.000
Z	-1.611	-1.621	-1.611	-1.611
Asymp. Sig. (2-tailed)	.107	.105	.107	.107
Exact Sig. [2*(1-tailed Sig.)]	.128 ^a	.128 ^a	.128 ^a	.128 ^a

a. Not corrected for ties.

b. Grouping Variable: Jam

Ranks

	Jam	N	Mean Rank	Sum of Ranks
Pengulangan_1	2	7	5.71	40.00
	4	7	9.29	65.00
	Total	14		
Pengulangan_2	2	7	5.71	40.00
	4	7	9.29	65.00
	Total	14		
Pengulangan_3	2	7	5.71	40.00
	4	7	9.29	65.00
	Total	14		
Pengulangan_4	2	7	5.71	40.00
	4	7	9.29	65.00
	Total	14		

Test Statistics^b

	Pengulangan_1	Pengulangan_2	Pengulangan_3	Pengulangan_4
Mann-Whitney U	12.000	12.000	12.000	12.000
Wilcoxon W	40.000	40.000	40.000	40.000
Z	-1.611	-1.622	-1.611	-1.611
Asymp. Sig. (2-tailed)	.107	.105	.107	.107
Exact Sig. [2*(1-tailed Sig.)]	.128 ^a	.128 ^a	.128 ^a	.128 ^a

a. Not corrected for ties.

b. Grouping Variable: Jam

Ranks

	Jam	N	Mean Rank	Sum of Ranks
Pengulangan_1	2	7	5.71	40.00
	5	7	9.29	65.00
	Total	14		
Pengulangan_2	2	7	5.71	40.00
	5	7	9.29	65.00
	Total	14		
Pengulangan_3	2	7	5.71	40.00
	5	7	9.29	65.00
	Total	14		
Pengulangan_4	2	7	5.71	40.00
	5	7	9.29	65.00
	Total	14		

Test Statistics^b

	Pengulangan_1	Pengulangan_2	Pengulangan_3	Pengulangan_4
Mann-Whitney U	12.000	12.000	12.000	12.000
Wilcoxon W	40.000	40.000	40.000	40.000
Z	-1.613	-1.619	-1.611	-1.611
Asymp. Sig. (2-tailed)	.107	.106	.107	.107
Exact Sig. [2*(1-tailed Sig.)]	.128 ^a	.128 ^a	.128 ^a	.128 ^a

a. Not corrected for ties.

b. Grouping Variable: Jam

Ranks

	Jam	N	Mean Rank	Sum of Ranks
Pengulangan_1	2	7	5.71	40.00
	6	7	9.29	65.00
	Total	14		
Pengulangan_2	2	7	5.71	40.00
	6	7	9.29	65.00
	Total	14		
Pengulangan_3	2	7	5.71	40.00
	6	7	9.29	65.00
	Total	14		
Pengulangan_4	2	7	5.71	40.00
	6	7	9.29	65.00
	Total	14		

Test Statistics^b

	Pengulangan_1	Pengulangan_2	Pengulangan_3	Pengulangan_4
Mann-Whitney U	12.000	12.000	12.000	12.000
Wilcoxon W	40.000	40.000	40.000	40.000
Z	-1.611	-1.621	-1.610	-1.611
Asymp. Sig. (2-tailed)	.107	.105	.107	.107
Exact Sig. [2*(1-tailed Sig.)]	.128 ^a	.128 ^a	.128 ^a	.128 ^a

a. Not corrected for ties.

b. Grouping Variable: Jam

Ranks

	Jam	N	Mean Rank	Sum of Ranks
Pengulangan_1	2	7	5.36	37.50
	24	7	9.64	67.50
	Total	14		
Pengulangan_2	2	7	5.36	37.50
	24	7	9.64	67.50
	Total	14		
Pengulangan_3	2	7	5.36	37.50
	24	7	9.64	67.50
	Total	14		
Pengulangan_4	2	7	5.36	37.50
	24	7	9.64	67.50
	Total	14		

Test Statistics^b

	Pengulangan_1	Pengulangan_2	Pengulangan_3	Pengulangan_4
Mann-Whitney U	9.500	9.500	9.500	9.500
Wilcoxon W	37.500	37.500	37.500	37.500
Z	-2.062	-2.076	-2.062	-2.062
Asymp. Sig. (2-tailed)	.039	.038	.039	.039
Exact Sig. [2*(1-tailed Sig.)]	.053 ^a	.053 ^a	.053 ^a	.053 ^a

a. Not corrected for ties.

b. Grouping Variable: Jam

Ranks

	Jam	N	Mean Rank	Sum of Ranks
Pengulangan_1	3	7	5.79	40.50
	4	7	9.21	64.50
	Total	14		
Pengulangan_2	3	7	5.71	40.00
	4	7	9.29	65.00
	Total	14		
Pengulangan_3	3	7	5.71	40.00
	4	7	9.29	65.00
	Total	14		
Pengulangan_4	3	7	5.71	40.00
	4	7	9.29	65.00
	Total	14		

Test Statistics^b

	Pengulangan_1	Pengulangan_2	Pengulangan_3	Pengulangan_4
Mann-Whitney U	12.500	12.000	12.000	12.000
Wilcoxon W	40.500	40.000	40.000	40.000
Z	-1.542	-1.606	-1.604	-1.604
Asymp. Sig. (2-tailed)	.123	.108	.109	.109
Exact Sig. [2*(1-tailed Sig.)]	.128 ^a	.128 ^a	.128 ^a	.128 ^a

a. Not corrected for ties.

b. Grouping Variable: Jam

Ranks

	Jam	N	Mean Rank	Sum of Ranks
Pengulangan_1	3	7	5.71	40.00
	5	7	9.29	65.00
	Total	14		
Pengulangan_2	3	7	5.71	40.00
	5	7	9.29	65.00
	Total	14		
Pengulangan_3	3	7	5.71	40.00
	5	7	9.29	65.00
	Total	14		
Pengulangan_4	3	7	5.71	40.00
	5	7	9.29	65.00
	Total	14		

Test Statistics^b

	Pengulangan_1	Pengulangan_2	Pengulangan_3	Pengulangan_4
Mann-Whitney U	12.000	12.000	12.000	12.000
Wilcoxon W	40.000	40.000	40.000	40.000
Z	-1.606	-1.602	-1.604	-1.604
Asymp. Sig. (2-tailed)	.108	.109	.109	.109
Exact Sig. [2*(1-tailed Sig.)]	.128 ^a	.128 ^a	.128 ^a	.128 ^a

a. Not corrected for ties.

b. Grouping Variable: Jam

Ranks

	Jam	N	Mean Rank	Sum of Ranks
Pengulangan_1	3	7	5.71	40.00
	6	7	9.29	65.00
	Total	14		
Pengulangan_2	3	7	5.71	40.00
	6	7	9.29	65.00
	Total	14		
Pengulangan_3	3	7	5.71	40.00
	6	7	9.29	65.00
	Total	14		
Pengulangan_4	3	7	5.71	40.00
	6	7	9.29	65.00
	Total	14		

Test Statistics^b

	Pengulangan_1	Pengulangan_2	Pengulangan_3	Pengulangan_4
Mann-Whitney U	12.000	12.000	12.000	12.000
Wilcoxon W	40.000	40.000	40.000	40.000
Z	-1.604	-1.604	-1.602	-1.604
Asymp. Sig. (2-tailed)	.109	.109	.109	.109
Exact Sig. [2*(1-tailed Sig.)]	.128 ^a	.128 ^a	.128 ^a	.128 ^a

a. Not corrected for ties.

b. Grouping Variable: Jam

Ranks

	Jam	N	Mean Rank	Sum of Ranks
Pengulangan_1	3	7	5.36	37.50
	24	7	9.64	67.50
	Total	14		
Pengulangan_2	3	7	5.36	37.50
	24	7	9.64	67.50
	Total	14		
Pengulangan_3	3	7	5.36	37.50
	24	7	9.64	67.50
	Total	14		
Pengulangan_4	3	7	5.36	37.50
	24	7	9.64	67.50
	Total	14		

Test Statistics^b

	Pengulangan_1	Pengulangan_2	Pengulangan_3	Pengulangan_4
Mann-Whitney U	9.500	9.500	9.500	9.500
Wilcoxon W	37.500	37.500	37.500	37.500
Z	-2.052	-2.052	-2.052	-2.052
Asymp. Sig. (2-tailed)	.040	.040	.040	.040
Exact Sig. [2*(1-tailed Sig.)]	.053 ^a	.053 ^a	.053 ^a	.053 ^a

a. Not corrected for ties.

b. Grouping Variable: Jam

Ranks

	Jam	N	Mean Rank	Sum of Ranks
Pengulangan_1	4	7	5.79	40.50
	5	7	9.21	64.50
	Total	14		
Pengulangan_2	4	7	5.86	41.00
	5	7	9.14	64.00
	Total	14		
Pengulangan_3	4	7	6.00	42.00
	5	7	9.00	63.00
	Total	14		
Pengulangan_4	4	7	6.00	42.00
	5	7	9.00	63.00
	Total	14		

Test Statistics^b

	Pengulangan_1	Pengulangan_2	Pengulangan_3	Pengulangan_4
Mann-Whitney U	12.500	13.000	14.000	14.000
Wilcoxon W	40.500	41.000	42.000	42.000
Z	-1.544	-1.476	-1.351	-1.351
Asymp. Sig. (2-tailed)	.123	.140	.177	.177
Exact Sig. [2*(1-tailed Sig.)]	.128 ^a	.165 ^a	.209 ^a	.209 ^a

a. Not corrected for ties.

b. Grouping Variable: Jam

Ranks

	Jam	N	Mean Rank	Sum of Ranks
Pengulangan_1	4	7	5.71	40.00
	6	7	9.29	65.00
	Total	14		
Pengulangan_2	4	7	5.71	40.00
	6	7	9.29	65.00
	Total	14		
Pengulangan_3	4	7	5.71	40.00
	6	7	9.29	65.00
	Total	14		
Pengulangan_4	4	7	5.71	40.00
	6	7	9.29	65.00
	Total	14		

Test Statistics^b

	Pengulangan_1	Pengulangan_2	Pengulangan_3	Pengulangan_4
Mann-Whitney U	12.000	12.000	12.000	12.000
Wilcoxon W	40.000	40.000	40.000	40.000
Z	-1.604	-1.606	-1.602	-1.604
Asymp. Sig. (2-tailed)	.109	.108	.109	.109
Exact Sig. [2*(1-tailed Sig.)]	.128 ^a	.128 ^a	.128 ^a	.128 ^a

a. Not corrected for ties.

b. Grouping Variable: Jam

Ranks

	Jam	N	Mean Rank	Sum of Ranks
Pengulangan_1	4	7	5.36	37.50
	24	7	9.64	67.50
	Total	14		
Pengulangan_2	4	7	5.36	37.50
	24	7	9.64	67.50
	Total	14		
Pengulangan_3	4	7	5.36	37.50
	24	7	9.64	67.50
	Total	14		
Pengulangan_4	4	7	5.36	37.50
	24	7	9.64	67.50
	Total	14		

Test Statistics^b

	Pengulangan_1	Pengulangan_2	Pengulangan_3	Pengulangan_4
Mann-Whitney U	9.500	9.500	9.500	9.500
Wilcoxon W	37.500	37.500	37.500	37.500
Z	-2.052	-2.054	-2.052	-2.052
Asymp. Sig. (2-tailed)	.040	.040	.040	.040
Exact Sig. [2*(1-tailed Sig.)]	.053 ^a	.053 ^a	.053 ^a	.053 ^a

a. Not corrected for ties.

b. Grouping Variable: Jam

Ranks

	Jam	N	Mean Rank	Sum of Ranks
Pengulangan_1	5	7	5.71	40.00
	6	7	9.29	65.00
	Total	14		
Pengulangan_2	5	7	6.07	42.50
	6	7	8.93	62.50
	Total	14		
Pengulangan_3	5	7	5.86	41.00
	6	7	9.14	64.00
	Total	14		
Pengulangan_4	5	7	5.79	40.50
	6	7	9.21	64.50
	Total	14		

Test Statistics^b

	Pengulangan_1	Pengulangan_2	Pengulangan_3	Pengulangan_4
Mann-Whitney U	12.000	14.500	13.000	12.500
Wilcoxon W	40.000	42.500	41.000	40.500
Z	-1.606	-1.283	-1.479	-1.542
Asymp. Sig. (2-tailed)	.108	.199	.139	.123
Exact Sig. [2*(1-tailed Sig.)]	.128 ^a	.209 ^a	.165 ^a	.128 ^a

a. Not corrected for ties.

b. Grouping Variable: Jam

Ranks

	Jam	N	Mean Rank	Sum of Ranks
Pengulangan_1	5	7	5.36	37.50
	24	7	9.64	67.50
	Total	14		
Pengulangan_2	5	7	5.36	37.50
	24	7	9.64	67.50
	Total	14		
Pengulangan_3	5	7	5.36	37.50
	24	7	9.64	67.50
	Total	14		
Pengulangan_4	5	7	5.36	37.50
	24	7	9.64	67.50
	Total	14		

Test Statistics^b

	Pengulangan_1	Pengulangan_2	Pengulangan_3	Pengulangan_4
Mann-Whitney U	9.500	9.500	9.500	9.500
Wilcoxon W	37.500	37.500	37.500	37.500
Z	-2.054	-2.049	-2.052	-2.052
Asymp. Sig. (2-tailed)	.040	.040	.040	.040
Exact Sig. [2*(1-tailed Sig.)]	.053 ^a	.053 ^a	.053 ^a	.053 ^a

a. Not corrected for ties.

b. Grouping Variable: Jam

Ranks

	Jam	N	Mean Rank	Sum of Ranks
Pengulangan_1	6	7	5.36	37.50
	24	7	9.64	67.50
	Total	14		
Pengulangan_2	6	7	5.36	37.50
	24	7	9.64	67.50
	Total	14		
Pengulangan_3	6	7	5.36	37.50
	24	7	9.64	67.50
	Total	14		
Pengulangan_4	6	7	5.36	37.50
	24	7	9.64	67.50
	Total	14		

Test Statistics^b

	Pengulangan_1	Pengulangan_2	Pengulangan_3	Pengulangan_4
Mann-Whitney U	9.500	9.500	9.500	9.500
Wilcoxon W	37.500	37.500	37.500	37.500
Z	-2.052	-2.052	-2.049	-2.052
Asymp. Sig. (2-tailed)	.040	.040	.040	.040
Exact Sig. [2*(1-tailed Sig.)]	.053 ^a	.053 ^a	.053 ^a	.053 ^a

a. Not corrected for ties.

b. Grouping Variable: Jam

Lampiran 4. Hasil Uji Korelasi Spearman

Correlations					
	Pengulangan_1	Pengulangan_2	Pengulangan_3	Pengulangan_4	Konsentrasi
Spearman's rho	Pengulangan_1 Correlation Coefficient	.999**	.999**	.999**	.131
	Sig. (2-tailed)	.000	.000	.000	.371
	N	49	49	49	49
Pengulangan_2	Pengulangan_2 Correlation Coefficient	.999**	.999**	.999**	.135
	Sig. (2-tailed)	.000	.000	.000	.354
	N	49	49	49	49
Pengulangan_3	Pengulangan_3 Correlation Coefficient	.999**	1.000	.999**	.136
	Sig. (2-tailed)	.000	.	.000	.351
	N	49	49	49	49
Pengulangan_4	Pengulangan_4 Correlation Coefficient	.999**	.999**	1.000	.135
	Sig. (2-tailed)	.000	.000	.	.356
	N	49	49	49	49
Konsentrasi	Konsentrasi Correlation Coefficient	.131	.136	.135	1.000
	Sig. (2-tailed)	.371	.351	.356	.
	N	49	49	49	49

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

	Pengulangan_1	Pengulangan_2	Pengulangan_3	Pengulangan_4	Jam
Spearman's rho					
Pengulangan_1	1.000	.999**	.999**	.999**	.589**
Correlation Coefficient					
Sig. (2-tailed)		.000	.000	.000	.000
N	49	49	49	49	49
Pengulangan_2	.999**	1.000	.999**	.999**	.587**
Correlation Coefficient					
Sig. (2-tailed)	.000	.	.000	.000	.000
N	49	49	49	49	49
Pengulangan_3	.999**	.999**	1.000	.999**	.588**
Correlation Coefficient					
Sig. (2-tailed)	.000	.000	.	.000	.000
N	49	49	49	49	49
Pengulangan_4	.999**	.999**	.999**	1.000	.588**
Correlation Coefficient					
Sig. (2-tailed)	.000	.000	.000	.	.000
N	49	49	49	49	49
Jam	.589**	.587**	.588**	.588**	1.000
Correlation Coefficient					
Sig. (2-tailed)	.000	.000	.000	.000	.
N	49	49	49	49	49

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

Lampiran 5. Hasil Uji Regresi Linier Sederhana

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.855 ^a	.730	.728	23.458

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