

## LAMPIRAN 1. Perhitungan Jumlah Sel Spermatogenik dan Diameter Tubulus Seminiferus

Tabel 2. Data Jumlah Sel-sel Spermatogonia Mencit (*Mus musculus* L.) Setelah Pemaparan Kebisingan

Ulangan	Perlakuan				
	P0	P1	P2	P3	P4
1	34	18	73	65	14
2	20	6	28	44	83
3	5	9	27	49	39
4	5	32	29	39	37
5	29	39	38	44	98
Jumlah	93	104	195	241	271
Rata-rata	18.6	20.8	39	48.2	54.2

Tabel 3. Analysis of Variance (Anova) Sel-sel Spermatogonia Mencit (*Mus musculus* L) Setelah Pemaparan Kebisingan

	Sum of Squares	Df	Mean Square	F	Sig.
Between Groups	5113.760	4	1278.440	3.060	.040
Within Groups	8355.600	20	417.780		
Total	13469.360	24			

Tabel 4. Uji Lanjut Beda Nyata Terkecil (BNT) Sel-sel Spermatogonia Mencit (*Mus musculus* L) Setelah Pemaparan Kebisingan

	(I) Perla- kuan	(J) Perlak- uan	Mean Difference (I- J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
LSD	1	2	-2.20000	12.92718	.867	-29.1656	24.7656
		3	-20.40000	12.92718	.130	-47.3656	6.5656
		4	-29.60000*	12.92718	.033	-56.5656	-2.6344
		5	-35.60000*	12.92718	.012	-62.5656	-8.6344
	2	1	2.20000	12.92718	.867	-24.7656	29.1656
		3	-18.20000	12.92718	.175	-45.1656	8.7656

Tabel 4. Uji Lanjut Beda... (lanjutan)

		4	-27.40000 <sup>*</sup>	12.92718	.047	-54.3656	-.4344
		5	-33.40000 <sup>*</sup>	12.92718	.018	-60.3656	-6.4344
	3	1	20.40000	12.92718	.130	-6.5656	47.3656
		2	18.20000	12.92718	.175	-8.7656	45.1656
		4	-9.20000	12.92718	.485	-36.1656	17.7656
		5	-15.20000	12.92718	.253	-42.1656	11.7656
	4	1	29.60000 <sup>*</sup>	12.92718	.033	2.6344	56.5656
		2	27.40000 <sup>*</sup>	12.92718	.047	.4344	54.3656
		3	9.20000	12.92718	.485	-17.7656	36.1656
		5	-6.00000	12.92718	.648	-32.9656	20.9656
	5	1	35.60000 <sup>*</sup>	12.92718	.012	8.6344	62.5656
		2	33.40000 <sup>*</sup>	12.92718	.018	6.4344	60.3656
		3	15.20000	12.92718	.253	-11.7656	42.1656
		4	6.00000	12.92718	.648	-20.9656	32.9656

Tabel 5. Data Jumlah Sel-sel Spermatisit Primer Mencit (*Mus musculus* L.) Setelah Pemaparan Kebisingan

Ulangan	Perlakuan				
	P0	P1	P2	P3	P4
1	52	55	61	21	36
2	56	36	52	29	12
3	37	66	47	39	44
4	53	77	34	40	27
5	58	42	28	21	42
Jumlah	256	276	222	150	161
Rata-rata	51.2	55.2	44.4	30	32.2

Tabel 6. Analysis of Variance (Anova) Sel-sel Spermatosit Primer Mencit (*Mus musculus* L) Setelah Pemaparan Kebisingan

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	2514.400	4	628.600	3.984	.015
Within Groups	3155.600	20	157.780		
Total	5670.000	24			

Tabel 7. Uji Lanjut Beda Nyata Terkecil (BNT) Sel-sel Spermatosit Primer Mencit (*Mus musculus* L) Setelah Pemaparan Kebisingan

(I) Perlakuan	(J) Perlakuan	Mean Difference (I- J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
1	2	-4.00000	7.94431	.620	-20.5715	12.5715
	3	6.80000	7.94431	.402	-9.7715	23.3715
	4	21.20000*	7.94431	.015	4.6285	37.7715
	5	19.00000*	7.94431	.027	2.4285	35.5715
2	1	4.00000	7.94431	.620	-12.5715	20.5715
	3	10.80000	7.94431	.189	-5.7715	27.3715
	4	25.20000*	7.94431	.005	8.6285	41.7715
	5	23.00000*	7.94431	.009	6.4285	39.5715
3	1	-6.80000	7.94431	.402	-23.3715	9.7715
	2	-10.80000	7.94431	.189	-27.3715	5.7715
	4	14.40000	7.94431	.085	-2.1715	30.9715
	5	12.20000	7.94431	.140	-4.3715	28.7715
4	1	-21.20000*	7.94431	.015	-37.7715	-4.6285
	2	-25.20000*	7.94431	.005	-41.7715	-8.6285
	3	-14.40000	7.94431	.085	-30.9715	2.1715
	5	-2.20000	7.94431	.785	-18.7715	14.3715

Tabel 7. Uji Lanjut Beda... (lanjutan)

5	1	-19.00000*	7.94431	.027	-35.5715	-2.4285
	2	-23.00000*	7.94431	.009	-39.5715	-6.4285
	3	-12.20000	7.94431	.140	-28.7715	4.3715
	4	2.20000	7.94431	.785	-14.3715	18.7715

Tabel 8. Data Jumlah Sel-sel Spermatoosit Sekunder Mencit (*Mus musculus* L.) Setelah Pemaparan Kebisingan

Ulangan	Perlakuan				
	P0	P1	P2	P3	P4
1	46	51	23	23	21
2	30	17	61	31	27
3	39	64	55	21	31
4	63	47	56	56	15
5	61	57	11	18	13
Jumlah	239	236	206	149	107
Rata-rata	47.8	47.2	41.2	29.8	21.4

Tabel 9. Analysis of Variance (Anova) Sel-sel Spermatoosit Sekunder Mencit (*Mus musculus* L.) Setelah Pemaparan Kebisingan

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	2661.840	4	665.460	2.493	.076
Within Groups	5338.400	20	266.920		
Total	8000.240	24			

Tabel 10. Uji Lanjut Beda Nyata Terkecil (BNT) Sel-sel Spermatoosit Sekunder Mencit (*Mus musculus* L.) Setelah Pemaparan Kebisingan

(I) Perlakuan	(J) Perlakuan	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
1	2	.60000	10.33286	.954	-20.9540	22.1540

Tabel 10. Uji Lanjut Beda ... (lanjutan)

	3	6.60000	10.33286	.530	-14.9540	28.1540
	4	18.00000	10.33286	.097	-3.5540	39.5540
	5	26.40000*	10.33286	.019	4.8460	47.9540
2	1	-.60000	10.33286	.954	-22.1540	20.9540
	3	6.00000	10.33286	.568	-15.5540	27.5540
	4	17.40000	10.33286	.108	-4.1540	38.9540
	5	25.80000*	10.33286	.021	4.2460	47.3540
3	1	-6.60000	10.33286	.530	-28.1540	14.9540
	2	-6.00000	10.33286	.568	-27.5540	15.5540
	4	11.40000	10.33286	.283	-10.1540	32.9540
	5	19.80000	10.33286	.070	-1.7540	41.3540
4	1	-18.00000	10.33286	.097	-39.5540	3.5540
	2	-17.40000	10.33286	.108	-38.9540	4.1540
	3	-11.40000	10.33286	.283	-32.9540	10.1540
	5	8.40000	10.33286	.426	-13.1540	29.9540
5	1	-26.40000*	10.33286	.019	-47.9540	-4.8460
	2	-25.80000*	10.33286	.021	-47.3540	-4.2460
	3	-19.80000	10.33286	.070	-41.3540	1.7540
	4	-8.40000	10.33286	.426	-29.9540	13.1540

Tabel 11. Data Jumlah Sel-sel Spermatid Mencit (*Mus musculus* L.) Setelah Pemaparan Kebisingan

Ulangan	Perlakuan				
	P0	P1	P2	P3	P4
1	162	50	63	14	18
2	185	96	158	25	14
3	110	108	27	46	14
4	77	86	20	23	9
5	108	228	65	123	29
Jumlah	642	568	333	231	84
Rata-rata	128.4	113.6	66.6	46.2	16.8

Tabel 12. Analysis of Variance (Anova) Sel-sel Spermatid Mencit (*Mus musculus* L) Setelah Pemaparan Kebisingan

	Sum of Squares	Df	Mean Square	F	Sig.
Between Groups	43132.240	4	10783.060	4.666	.008
Within Groups	46223.200	20	2311.160		
Total	89355.440	24			

Tabel 13. Uji Lanjut Beda Nyata Terkecil (BNT) Sel-sel Spermatid Mencit (*Mus musculus* L) Setelah Pemaparan Kebisingan

	(I) Perlakuan	(J) Perlakuan	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
LSD	1	2	14.80000	30.40500	.632	-48.6237	78.2237
		3	61.80000	30.40500	.056	-1.6237	125.2237
		4	82.20000*	30.40500	.014	18.7763	145.6237
		5	111.60000*	30.40500	.002	48.1763	175.0237
	2	1	-14.80000	30.40500	.632	-78.2237	48.6237
		3	47.00000	30.40500	.138	-16.4237	110.4237
		4	67.40000*	30.40500	.038	3.9763	130.8237
		5	96.80000*	30.40500	.005	33.3763	160.2237
	3	1	-61.80000	30.40500	.056	-125.2237	1.6237
		2	-47.00000	30.40500	.138	-110.4237	16.4237
		4	20.40000	30.40500	.510	-43.0237	83.8237
		5	49.80000	30.40500	.117	-13.6237	113.2237
	4	1	-82.20000*	30.40500	.014	-145.6237	-18.7763
		2	-67.40000*	30.40500	.038	-130.8237	-3.9763
		3	-20.40000	30.40500	.510	-83.8237	43.0237
		5	29.40000	30.40500	.345	-34.0237	92.8237
	5	1	-111.60000*	30.40500	.002	-175.0237	-48.1763
		2	-96.80000*	30.40500	.005	-160.2237	-33.3763

Tabel 13. Uji Lanjut Beda... (lanjutan)

	3	-49.80000	30.40500	.117	-113.2237	13.6237
	4	-29.40000	30.40500	.345	-92.8237	34.0237

Tabel 14. Data Jumlah Sel-sel Spermatozoa Mencit (*Mus musculus* L.) Setelah Pemaparan Kebisingan

Ulangan	Perlakuan				
	P0	P1	P2	P3	P4
1	73	34	36	23	11
2	53	77	56	31	13
3	68	66	34	14	15
4	31	51	31	17	17
5	57	74	28	37	33
Jumlah	282	302	185	122	89
Rata-rata	56.4	60.4	37	24.4	17.8

Tabel 15. Analysis of Variance (Anova) Sel-sel Spermatozoa Mencit (*Mus musculus* L) Setelah Pemaparan Kebisingan

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	7135.600	4	1783.900	10.169	.000
Within Groups	3508.400	20	175.420		
Total	10644.000	24			

Tabel 16. Uji Lanjut Beda Nyata Terkecil (BNT) Sel-sel Spermatozoa Mencit (*Mus musculus* L) Setelah Pemaparan Kebisingan

(I) Perlakuan	(J) Perlakuan	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
1	2	-4.00000	8.37663	.638	-21.4734	13.4734
	3	19.40000*	8.37663	.031	1.9266	36.8734

Tabel 16. Uji Lanjut Beda... (lanjutan)

	4	32.00000 <sup>*</sup>	8.37663	.001	14.5266	49.4734
	5	38.60000 <sup>*</sup>	8.37663	.000	21.1266	56.0734
2	1	4.00000	8.37663	.638	-13.4734	21.4734
	3	23.40000 <sup>*</sup>	8.37663	.011	5.9266	40.8734
	4	36.00000 <sup>*</sup>	8.37663	.000	18.5266	53.4734
	5	42.60000 <sup>*</sup>	8.37663	.000	25.1266	60.0734
3	1	-19.40000 <sup>*</sup>	8.37663	.031	-36.8734	-1.9266
	2	-23.40000 <sup>*</sup>	8.37663	.011	-40.8734	-5.9266
	4	12.60000	8.37663	.148	-4.8734	30.0734
	5	19.20000 <sup>*</sup>	8.37663	.033	1.7266	36.6734
4	1	-32.00000 <sup>*</sup>	8.37663	.001	-49.4734	-14.5266
	2	-36.00000 <sup>*</sup>	8.37663	.000	-53.4734	-18.5266
	3	-12.60000	8.37663	.148	-30.0734	4.8734
	5	6.60000	8.37663	.440	-10.8734	24.0734
5	1	-38.60000 <sup>*</sup>	8.37663	.000	-56.0734	-21.1266
	2	-42.60000 <sup>*</sup>	8.37663	.000	-60.0734	-25.1266
	3	-19.20000 <sup>*</sup>	8.37663	.033	-36.6734	-1.7266
	4	-6.60000	8.37663	.440	-24.0734	10.8734

Tabel 17. Data Diameter Tubulus Seminiferus Mencit (*Mus musculus* L.) Setelah Pemaparan Kebisingan

Ulangan	Perlakuan				
	P0	P1	P2	P3	P4
1	220	217.5	155	107.5	172.5
2	222.5	222.5	205	152.5	142.5
3	217.5	222.5	170	167.5	157.5
4	202.5	205	197.5	192.5	192.5
5	227.5	162.5	172.5	182.5	187.5
Jumlah	1090	1030	900	802.5	852.5
Rata-rata	218	206	180	160.5	170.5



Tabel 18 Analysis of Variance (Anova) Diameter Tubulus Seminiferus Mencit (*Mus musculus* L) Setelah Pemaparan Kebisingan

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	11727.500	4	2931.875	5.431	.004
Within Groups	10797.500	20	539.875		
Total	22525.000	24			

Tabel 19. Uji Lanjut Beda Nyata Terkecil (BNT) Diameter Tubulus Seminiferus Mencit (*Mus musculus* L) Setelah Pemaparan Kebisingan

	(I) Perlakuan	(J) Perlakuan	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
LSD	1	2	12.00000	14.69524	.424	-18.6537	42.6537
		3	38.00000*	14.69524	.018	7.3463	68.6537
		4	57.50000*	14.69524	.001	26.8463	88.1537
		5	47.50000*	14.69524	.004	16.8463	78.1537
	2	1	-12.00000	14.69524	.424	-42.6537	18.6537
		3	26.00000	14.69524	.092	-4.6537	56.6537
		4	45.50000*	14.69524	.006	14.8463	76.1537
		5	35.50000*	14.69524	.025	4.8463	66.1537
	3	1	-38.00000*	14.69524	.018	-68.6537	-7.3463
		2	-26.00000	14.69524	.092	-56.6537	4.6537
		4	19.50000	14.69524	.199	-11.1537	50.1537
		5	9.50000	14.69524	.525	-21.1537	40.1537
	4	1	-57.50000*	14.69524	.001	-88.1537	-26.8463
		2	-45.50000*	14.69524	.006	-76.1537	-14.8463
		3	-19.50000	14.69524	.199	-50.1537	11.1537
		5	-10.00000	14.69524	.504	-40.6537	20.6537
	5	1	-47.50000*	14.69524	.004	-78.1537	-16.8463

Tabel 19. Uji Lanjut Beda... (lanjutan)

		2	-35.50000*	14.69524	.025	-66.1537	-4.8463
		3	-9.50000	14.69524	.525	-40.1537	21.1537
		4	10.00000	14.69524	.504	-20.6537	40.6537