

LAMPIRAN 1

PERHITUNGAN DOSIS

Cisplatin

Dosis cisplatin untuk tikus = 7 mg/kg

$$\begin{aligned}\text{Dosis absolut pada tikus (BB } \pm 200 \text{ g)} &= 0.2 \times 7 \\ &= 1.4 \text{ mg}\end{aligned}$$

$$\begin{aligned}\text{Dosis mencit (BB } \pm 20 \text{ g)} &= 1.4 \times 0.14 \text{ (faktor konversi dari tikus ke mencit)} \\ &= 0.196 \text{ mg}\end{aligned}$$

Berat badan rata-rata mencit = 27.60 gram

$$\text{Untuk mencit 27.60 g, cisplatin yang diperlukan} = \frac{27.60}{20} \times 0.196 = 0.27048 \text{ mg}$$

Sediaan: Cisplatin DBL 25mg/50ml

Jadi, dalam 1 ml sediaan terdapat 0.5 mg cisplatin

$$\text{Volume yang disuntikkan} = \frac{0.27048}{0.5} \times 1 \text{ ml} = 0.541 \text{ ml}$$

Pasta Tomat

Berdasarkan jurnal “*Protective role of lycopene on cisplatin-induced changes in sperm characteristics, testicular damage and oxidative stress in rats*”, disebutkan bahwa dosis 4 mg/kg likopen untuk tikus dewasa *Sprague-Dawley* mampu memberi efek protektif terhadap spermitoksisitas yang diinduksi oleh cisplatin (Atessahin *et al*, 2006).

Dosis likopen tikus = 4 mg/kg

$$\begin{aligned}\text{Dosis absolut pada tikus (BB } \pm 200 \text{ g)} &= 0.2 \times 4 \\ &= 0.8 \text{ mg}\end{aligned}$$

$$\begin{aligned}\text{Dosis mencit (BB } \pm 20 \text{ g)} &= 0.8 \times 0.14 \text{ (faktor konversi dari tikus ke mencit)} \\ &= 0.112 \text{ mg}\end{aligned}$$

(Paget and Barnes, 1964)

Berat badan rata-rata mencit = 27.60 gram

Untuk mencit 27.60 g, likopen yang diperlukan = $\frac{27.60}{20} \times 0.112 = 0.155$ mg

(dijadikan dosis 2).

Sediaan likopen yang digunakan berupa pasta tomat Hunt's. Menurut data USDA tahun 2006 dalam 100 gram pasta tomat terdapat 28.8 mg likopen.

Jadi, dalam 1 gram pasta tomat terdapat 0.288 mg likopen.

Pasta Tomat Dosis 1 :

$$\frac{0.0775}{0.288} \times 1 \text{ gram} = 0.269 \text{ gram pasta tomat}$$

Pasta Tomat Dosis 2 :

$$\frac{0.155}{0.288} \times 1 \text{ gram} = 0.538 \text{ gram pasta tomat}$$

Pasta Tomat Dosis 3 :

$$\frac{0.31}{0.288} \times 1 \text{ gram} = 1.076 \text{ gram pasta tomat}$$

LAMPIRAN 2
KANDUNGAN PASTA TOMAT

Tomato products, canned, paste, with salt added

Refuse: 0%

NDB No: 11887 (Nutrient values and weights are for edible portion)

Nutrient	Units	Value per 100 grams	Number of Data Points	Std. Error
Proximates				
Water	g	73.50	46	0.255
Energy	kcal	82	0	
Energy	kj	343	0	
Protein	g	4.32	33	0.066
Total lipid (fat)	g	0.47	33	0.017
Ash	g	2.80	33	0.065
Carbohydrate, by difference	g	18.91	0	
Fiber, total dietary	g	4.1	31	0.083
Sugars, total	g	12.18	0	
Sucrose	g	0.30	3	0.015
Glucose (dextrose)	g	5.75	3	0.109
Fructose	g	5.85	3	0.076
Lactose	g	0.00	0	
Maltose	g	0.28	1	
Galactose	g	0.00	0	
Starch	g	0.22	3	0.035
Minerals				
Calcium, Ca	mg	36	30	1.62
Iron, Fe	mg	2.98	32	0.314
Magnesium, Mg	mg	42	6	2.242
Phosphorus, P	mg	83	6	2.875
Potassium, K	mg	1014	16	15.2
Sodium, Na	mg	790	0	
Zinc, Zn	mg	0.63	6	0.042

Copper, Cu	mg	0.365	5	0.047
Manganese, Mn	mg	0.302	6	0.012
Selenium, Se	mcg	5.3	3	0.882

Vitamins

Vitamin C, total ascorbic acid	mg	21.9	41	1.567
Thiamin	mg	0.060	6	0.007
Riboflavin	mg	0.153	6	0.003
Niacin	mg	3.076	6	0.055
Pantothenic acid	mg	0.142	2	
Vitamin B-6	mg	0.216	6	0.01
Folate, total	mcg	12	6	0.344
Folic acid	mcg	0	0	
Folate, food	mcg	12	6	0.344
Folate, DFE	mcg_DFE	12	0	
Vitamin B-12	mcg	0.00	0	
Vitamin B-12, added	mcg	0.00	0	
Vitamin A, IU	IU	1525	0	
Vitamin A, RAE	mcg_RAE	76	0	
Retinol	mcg	0	0	
Vitamin E (alpha-tocopherol)	mg	4.30	2	
Vitamin E, added	mg	0.00	0	
Tocopherol, beta	mg	0.00	2	
Tocopherol, gamma	mg	0.52	2	
Tocopherol, delta	mg	0.00	2	
Vitamin K (phylloquinone)	mcg	11.4	3	1.033

Lipids

Fatty acids, total saturated	g	0.100	0	
4:0	g	0.000	0	
6:0	g	0.000	0	
8:0	g	0.000	0	
10:0	g	0.000	0	
12:0	g	0.000	0	
14:0	g	0.001	0	
16:0	g	0.083	2	
18:0	g	0.016	0	

Fatty acids, total monounsaturated	g	0.067	0	
16:1 undifferentiated	g	0.002	0	
18:1 undifferentiated	g	0.064	0	
20:1	g	0.001	0	
22:1 undifferentiated	g	0.000	0	
Fatty acids, total polyunsaturated	g	0.159	0	
18:2 undifferentiated	g	0.152	3	0.01
18:3 undifferentiated	g	0.007	0	
18:4	g	0.000	0	
20:4 undifferentiated	g	0.000	0	
20:5 n-3	g	0.000	0	
22:5 n-3	g	0.000	0	
22:6 n-3	g	0.000	0	
Cholesterol	mg	0	0	
Amino acids				
Tryptophan	g	0.025	0	
Threonine	g	0.103	2	
Isoleucine	g	0.071	0	
Leucine	g	0.112	3	0.003
Lysine	g	0.123	3	0.01
Methionine	g	0.018	0	
Cystine	g	0.021	0	
Phenylalanine	g	0.121	3	0.003
Tyrosine	g	0.050	0	
Valine	g	0.075	0	
Arginine	g	0.074	0	
Histidine	g	0.058	0	
Alanine	g	0.195	3	0.003
Aspartic acid	g	0.697	3	0.01
Glutamic acid	g	1.896	3	0.029
Glycine	g	0.060	0	
Proline	g	0.081	0	
Serine	g	0.109	3	0.001
Other				
Alcohol, ethyl	g	0.0	0	

Caffeine	mg	0	0	
Theobromine	mg	0	0	
Carotene, beta	mcg	901	9	45.881
Carotene, alpha	mcg	29	7	28.571
Cryptoxanthin, beta	mcg	0	6	0
Lycopene	mcg	28764	13	556.449
Lutein + zeaxanthin	Mcg	0	6	0

(USDA National Nutrient Database for Standard Reference, 2006)

LAMPIRAN 3

TABEL PENGAMATAN HASIL PENELITIAN

DIAMETER TUBULUS SEMINIFERUS

Kontrol

Tub	Mencit											
	1		2		3		4		5		6	
	X S _{ok}	µm	x S _{ok}	µm	x S _{ok}	µm	x S _{ok}	µm	x S _{ok}	µm	x S _{ok}	µm
1	14	175	13	162.5	13.5	168.75	12.5	156.25	12	150	10	125
2	16	200	13	162.5	12	150	13	162.5	12	150	10	125
3	15.5	193.75	13.5	168.75	16	200	11	137.5	15	187.5	8.5	106.25
4	15	187.5	10	125	14	175	12	150	11	137.5	10	125
5	16	200	13	162.5	14.5	181.25	12	150	10.5	131.25	10.5	131.25
6	13	162.5	12.5	156.25	12.5	156.25	13	162.5	11	137.5	9	112.5
7	13.5	168.75	12	150	10.5	131.25	14	175	11	137.5	11.5	143.75
8	10	125	13	162.5	10	125	11.5	143.75	11.5	143.75	10	125
9	11	137.5	15	187.5	11.5	143.75	12	150	12	150	8	100
10	10.5	131.25	12	150	12.5	156.25	11	137.5	12.5	156.25	11	137.5
11	13	162.5	13	162.5	14.5	181.25	11	137.5	11	137.5	10	125
12	15	187.5	11.5	143.75	15	187.5	12	150	11	137.5	8	100
13	14	175	14	175	13	162.5	11.5	143.75	13	162.5	10	125
14	13	162.5	14.5	181.25	12	150	10.5	131.25	11.5	143.75	12	150
15	14	175	10	125	13	162.5	11.5	143.75	12	150	11.5	143.75
16	11	137.5	12.5	156.25	11.5	143.75	10.5	131.25	12.5	156.25	11	137.5
17	10.5	131.25	10.5	131.25	13.5	168.75	13	162.5	11.5	143.75	10.5	131.25
18	9.5	118.75	12.5	156.25	11.5	143.75	13.5	168.75	10	125	11	137.5
19	10	125	11	137.5	10.5	131.25	13	162.5	14	175	10	125
20	12	150	11.5	143.75	13.5	168.75	13	162.5	14	175	9.5	118.75

21	14	175	13	162.5	16	200	11	137.5	13	162.5	12	150
22	11	137.5	11	137.5	14	175	9	112.5	9.5	118.75	10.5	131.25
23	11.5	143.75	12.5	156.25	12.5	156.25	12	150	11	137.5	10	125
24	12	150	10.5	131.25	12	150	13	162.5	11.5	143.75	14	175
25	13	162.5	12	150	13	162.5	10	125	13.5	168.75	11	137.5
rata-												
rata		159		153.5		161.25		148.25		148.75		129.75

Dosis I

Tub	Mencit											
	1		2		3		4		5		6	
	x S _{ok}	µm	x S _{ok}	µm	x S _{ok}	µm	X S _{ok}	µm	x S _{ok}	µm	x S _{ok}	µm
1	11.5	143.75	11.5	143.75	14	175	12.5	156.25	13.5	168.75	12	150
2	10	125	12	150	11.5	143.75	16	200	14	175	13	162.5
3	10	125	12	150	12	150	13	162.5	14	175	13.5	168.75
4	8.5	106.25	12	150	12.5	156.25	14	175	13.5	168.75	12	150
5	10.5	131.25	11	137.5	13.5	168.75	16	200	15	187.5	10	125
6	13	162.5	11	137.5	14	175	13	162.5	12.5	156.25	14	175
7	10	125	12	150	12.5	156.25	16.5	206.25	12	150	12.5	156.25
8	12	150	12.5	156.25	14	175	11.5	143.75	14.5	181.25	12	150
9	11.5	143.75	11.5	143.75	17	212.5	12.5	156.25	12.5	156.25	14	175
10	12	150	13.5	168.75	12.5	156.25	13.5	168.75	11.5	143.75	11.5	143.75
11	14	175	12.5	156.25	10	125	14	175	11	137.5	10	125
12	14	175	14.5	181.25	10	125	13	162.5	11.5	143.75	12.5	156.25
13	14	175	12	150	16	200	11	137.5	12	150	12	150
14	14	175	12	150	12	150	11	137.5	11.5	143.75	10	125
15	12.5	156.25	11.5	143.75	12	150	10.5	131.25	12.5	156.25	11	137.5
16	13	162.5	13	162.5	12.5	156.25	11	137.5	12	150	12	150
17	12.5	156.25	13	162.5	12.5	156.25	10	125	14	175	13	162.5
18	13	162.5	13	162.5	14	175	11	137.5	11	137.5	13	162.5
19	12	150	13	162.5	13.5	168.75	11.5	143.75	14.5	181.25	10	125
20	10	125	11.5	143.75	15	187.5	13	162.5	10	125	9.5	118.75
21	9.5	118.75	11.5	143.75	13	162.5	14	175	12	150	9	112.5
22	10.5	131.25	11	137.5	12	150	13	162.5	11.5	143.75	10	125
23	9.5	118.75	14.5	181.25	9	112.5	12	150	17	212.5	11	137.5
24	10.5	131.25	15	187.5	15	187.5	12	150	12	150	12	150
25	11	137.5	13	162.5	15	187.5	12	150	12	150	10	125
Rata-rata	144.5		155		162.5		158.75		158.75		144.75	

Dosis II

Tub	Mencit											
	1		2		3		4		5		6	
	x S _{ok}	µm	x S _{ok}	µm	x S _{ok}	µm	x S _{ok}	µm	x S _{ok}	µm	x S _{ok}	µm
1	13.5	168.75	17	212.5	12.5	156.25	14	175	17	212.5	14	175
2	14.5	181.25	14	175	13	162.5	15	187.5	18	225	13	162.5
3	14	175	14.5	181.25	13.5	168.75	15	187.5	17	212.5	12	150
4	14.5	181.25	15	187.5	14	175	16	200	16	200	14	175
5	15	187.5	14	175	13	162.5	15	187.5	12.5	156.25	14	175
6	12	150	15	187.5	15	187.5	16	200	15.5	193.75	13	162.5
7	15.5	193.75	15	187.5	13.5	168.75	15	187.5	14	175	12	150
8	14	175	15	187.5	12	150	14.5	181.25	14.5	181.25	13	162.5
9	14.5	181.25	14	175	13	162.5	14	175	16	200	13	162.5
10	15.5	193.75	13	162.5	13	162.5	15	187.5	14	175	15.5	193.75
11	14	175	12.5	156.25	15	187.5	14.5	181.25	12	150	12	150
12	12	150	14.5	181.25	14	175	14	175	14	175	14	175
13	14.5	181.25	15	187.5	15	187.5	15	187.5	15	187.5	14.5	181.25
14	12.5	156.25	16	200	14	175	13	162.5	16	200	13	162.5
15	14.5	181.25	15	187.5	13	162.5	14	175	14	175	12	150
16	13	162.5	15	187.5	13.5	168.75	16	200	17	212.5	12	150
17	14	175	14	175	16	200	14	175	14	175	12.5	156.25
18	14	175	14	175	12	150	14.5	181.25	15	187.5	11.5	143.75
19	15	187.5	13	162.5	15	187.5	15	187.5	15.5	193.75	13	162.5
20	15.5	193.75	13	162.5	14	175	17	212.5	14	175	11.5	143.75
21	15	187.5	13.5	168.75	13	162.5	14	175	14	175	12	150
22	14	175	14.5	181.25	15	187.5	16	200	15	187.5	13	162.5
23	13	162.5	16	200	13	162.5	15.5	193.75	14.5	181.25	12	150
24	13.5	168.75	14	175	15	187.5	17	212.5	17	212.5	12.5	156.25
25	13	162.5	13.5	168.75	14	175	17	212.5	15	187.5	12	150
Rata- Rata	175.25		180		172		188		188.25		160.5	

Dosis III

Tub	Mencit											
	1		2		3		4		5		6	
	x S _{ok}	µm	x S _{ok}	µm	x S _{ok}	µm	x S _{ok}	µm	x S _{ok}	µm	x S _{ok}	µm
1	13.5	168.75	15.5	193.75	16	200	15.5	193.75	15.5	193.75	17	212.5
2	16	200	17	212.5	13	162.5	14	175	18	225	15	187.5
3	16	200	14	175	14	175	15	187.5	17	212.5	16	200
4	15	187.5	15	187.5	15	187.5	16	200	16	200	16	200
5	16	200	18	225	14	175	16	200	17	212.5	16	200
6	15	187.5	15	187.5	14.5	181.25	13	162.5	15	187.5	17	212.5
7	16.5	206.25	15.5	193.75	14	175	16	200	17	212.5	18	225
8	13	162.5	14	175	13.5	168.75	14	175	15	187.5	16	200
9	15	187.5	17	212.5	13	162.5	14	175	17	212.5	16	200
10	13	162.5	19	237.5	14	175	13.5	168.75	19	237.5	16	200
11	16	200	17.5	218.75	15	187.5	13	162.5	17	212.5	17	212.5
12	16	200	17	212.5	14.5	181.25	14	175	18	225	14.5	181.25
13	15	187.5	17.5	218.75	13	162.5	13	162.5	18	225	15	187.5
14	14	175	17.5	218.75	16	200	15	187.5	15	187.5	15	187.5
15	16	200	17	212.5	13	162.5	15	187.5	17.5	218.75	16	200
16	17	212.5	18	225	15	187.5	14	175	19	237.5	13	162.5
17	16	200	17	212.5	14	175	15	187.5	18	225	15	187.5
18	17	212.5	15.5	193.75	14	175	14	175	17	212.5	16	200
19	16	200	16	200	17	212.5	14	175	18	225	17	212.5
20	15	187.5	15	187.5	13	162.5	16	200	16	200	15	187.5
21	18	225	18	225	17	212.5	14	175	18	225	16	200
22	17	212.5	16	200	16	200	15	187.5	14	175	17	212.5
23	16	200	19	237.5	18	225	13.5	168.75	15	187.5	16	200
24	16	200	18	225	15	187.5	14	175	17	212.5	16	200
25	15.5	193.75	15	187.5	15.5	193.75	16	200	17	212.5	17	212.5
Rata-Rata	194.75		207		183.5		181.25		210.5		199.25	

Keterangan:

Tub = Tubulus

Konversi ke dalam satuan µm dengan rumus:

$$\frac{x S_{ok} \times 0.5}{M} \times 1000 = \dots \mu m$$

KETEBALAN LAPISAN EPITEL GERMINAL

Kontrol

Tub	Mencit											
	1		2		3		4		5		6	
	x S _{ok}	µm	x S _{ok}	µm	x S _{ok}	µm	x S _{ok}	µm	x S _{ok}	µm	x S _{ok}	µm
1	4	50	2.5	31.25	2.5	31.25	3	37.5	2.5	31.25	2	25
2	4.5	56.25	2	25	2.5	31.25	3	37.5	2	25	1.5	18.75
3	3.5	43.75	3.5	43.75	3	37.5	3.5	43.75	2	25	1.5	18.75
4	3	37.5	2	25	3	37.5	3	37.5	2	25	2	25
5	4	50	3	37.5	2.5	31.25	2.5	31.25	1.5	18.75	2	25
6	2.5	31.25	1.5	18.75	3.5	43.75	3	37.5	3	37.5	2	25
7	3	37.5	2	25	2.5	31.25	3	37.5	3	37.5	2.5	31.25
8	2	25	3.5	43.75	3	37.5	2.5	31.25	2.5	31.25	2	25
9	2.5	31.25	3	37.5	2	25	2.5	31.25	2	25	1.5	18.75
10	3	37.5	2	25	3	37.5	3	37.5	3	37.5	3	37.5
11	4	50	2	25	2	25	2	25	2.5	31.25	2.5	31.25
12	4	50	2.5	31.25	2.5	31.25	3	37.5	2.5	31.25	1.5	18.75
13	2	25	3	37.5	3	37.5	2.5	31.25	3	37.5	2	25
14	2.5	31.25	2.5	31.25	2	25	3	37.5	2	25	3	37.5
15	3	37.5	1.5	18.75	2.5	31.25	2.5	31.25	3.5	43.75	3	37.5
16	2	25	3	37.5	2.5	31.25	3	37.5	2	25	2.5	31.25
17	2.5	31.25	3	37.5	2	25	2.5	31.25	3	37.5	1.5	18.75
18	2	25	2.5	31.25	1.5	18.75	2	25	3	37.5	2.5	31.25
19	2	25	4	50	1.5	18.75	2.5	31.25	2	25	2.5	31.25
20	3	37.5	2.5	31.25	2	25	2	25	2.5	31.25	1.5	18.75
21	3	37.5	2.5	31.25	2.5	31.25	2	25	3	37.5	3	37.5
22	2	25	2	25	1.5	18.75	1.5	18.75	2.5	31.25	2	25
23	2	25	3	37.5	2	25	3.5	43.75	2.5	31.25	2.5	31.25
24	2.5	31.25	2.5	31.25	1	12.5	3	37.5	2	25	3	37.5
25	1.5	18.75	2	25	2	25	2.5	31.25	2.5	31.25	2.5	31.25
Rata-Rata	35		31.75		29		33.25		31		27.75	

Dosis I

Tub	Mencit											
	1		2		3		4		5		6	
	x S _{ok}	µm	x S _{ok}	µm	x S _{ok}	µm	x S _{ok}	µm	x S _{ok}	µm	x S _{ok}	µm
1	3	37.5	4.5	56.25	4	50	3.5	43.75	4	50	4	50
2	2.5	31.25	3.5	43.75	3	37.5	4	50	3.5	43.75	3.5	43.75
3	2	25	3	37.5	3	37.5	3	37.5	4	50	3.5	43.75
4	3	37.5	3.5	43.75	4	50	3	37.5	4	50	3	37.5
5	3	37.5	4	50	4	50	3.5	43.75	4.5	56.25	3	37.5
6	3	37.5	3	37.5	3	37.5	3	37.5	4	50	3.5	43.75
7	2.5	31.25	3.5	43.75	3.5	43.75	4.5	56.25	3	37.5	3	37.5
8	3	37.5	3.5	43.75	3.5	43.75	4.5	56.25	4	50	3.5	43.75
9	2.5	31.25	3	37.5	4.5	56.25	3.5	43.75	2.5	31.25	3	37.5
10	2.5	31.25	3.5	43.75	4	50	4	50	2.5	31.25	4	50
11	3	37.5	3	37.5	3	37.5	4	50	3.5	43.75	3	37.5
12	4	50	4	50	3	37.5	3	37.5	3	37.5	3.5	43.75
13	2.5	31.25	3.5	43.75	3.5	43.75	3	37.5	2.5	31.25	3	37.5
14	3	37.5	3	37.5	3.5	43.75	4	50	3	37.5	2	25
15	2.5	31.25	3	37.5	4	50	3	37.5	3.5	43.75	3	37.5
16	3	37.5	3.5	43.75	3.5	43.75	3.5	43.75	3	37.5	3	37.5
17	3.5	43.75	3	37.5	3	37.5	3	37.5	2.5	31.25	3	37.5
18	3.5	43.75	3.5	43.75	3.5	43.75	3	37.5	3	37.5	3	37.5
19	3	37.5	3.5	43.75	3	37.5	3	37.5	3	37.5	3	37.5
20	2.5	31.25	3.5	43.75	4.5	56.25	3.5	43.75	2.5	31.25	2.5	31.25
21	3	37.5	3.5	43.75	2.5	31.25	3.5	43.75	3.5	43.75	3	37.5
22	2.5	31.25	4	50	4	50	3.5	43.75	3.5	43.75	4	50
23	3	37.5	3	37.5	3	37.5	3	37.5	4	50	3.5	43.75
24	3	37.5	3.5	43.75	3.5	43.75	3.5	43.75	4	50	4	50
25	3.5	43.75	4	50	3.5	43.75	3	37.5	3	37.5	3	37.5
Rata- Rata		36.25		43.25		43.75		43		41.75		40.25

Dosis II

Tub	Mencit											
	1		2		3		4		5		6	
	x S _{ok}	µm	x S _{ok}	µm	x S _{ok}	µm	x S _{ok}	µm	x S _{ok}	µm	x S _{ok}	µm
1	3.5	43.75	4	50	3	37.5	3.5	43.75	3	37.5	4	50
2	3.5	43.75	4	50	3.5	43.75	3.5	43.75	4	50	4	50
3	4.5	56.25	3.5	43.75	4	50	3.5	43.75	3.5	43.75	4	50
4	4	50	4	50	3.5	43.75	3	37.5	3	37.5	4	50
5	3.5	43.75	3.5	43.75	3	37.5	4.5	56.25	3.5	43.75	3	37.5
6	3.5	43.75	4	50	3	37.5	3	37.5	3	37.5	3	37.5
7	5	62.5	4	50	3.5	43.75	3	37.5	3	37.5	3	37.5
8	4	50	3	37.5	3	37.5	3.5	43.75	4.5	56.25	3.5	43.75
9	3.5	43.75	3.5	43.75	3.5	43.75	4	50	3.5	43.75	4	50
10	4.5	56.25	3	37.5	3.5	43.75	3	37.5	3	37.5	3.5	43.75
11	4	50	3.5	43.75	3.5	43.75	3.5	43.75	4	50	3.5	43.75
12	3	37.5	4	50	3.5	43.75	3	37.5	3.5	43.75	4	50
13	4	50	3.5	43.75	3	37.5	3.5	43.75	3.5	43.75	3	37.5
14	3.5	43.75	3.5	43.75	3	37.5	3.5	43.75	3.5	43.75	3.5	43.75
15	4	50	3.5	43.75	3.5	43.75	3	37.5	4	50	4	50
16	3.5	43.75	4	50	3.5	43.75	5	62.5	3	37.5	3	37.5
17	3.5	43.75	5	62.5	4	50	4.5	56.25	4	50	4	50
18	4.5	56.25	4	50	3.5	43.75	4	50	4.5	56.25	4	50
19	4	50	4	50	4	50	3	37.5	5	62.5	3	37.5
20	4	50	3.5	43.75	3	37.5	4	50	4.5	56.25	3	37.5
21	4	50	3.5	43.75	3	37.5	2.5	31.25	3.5	43.75	3.5	43.75
22	4	50	4	50	3.5	43.75	3	37.5	4	50	3	37.5
23	3.5	43.75	4	50	3	37.5	3	37.5	3.5	43.75	3.5	43.75
24	4.5	56.25	3.5	43.75	4	50	3	37.5	3	37.5	4	50
25	3	37.5	3.5	43.75	3.5	43.75	4	50	3.5	43.75	4	50
Rata- Rata	48.25		46.75		42.5		43.5		45.5		44.5	

Dosis III

Tub	Mencit											
	1		2		3		4		5		6	
	x S _{ok}	μm	x S _{ok}	μm	x S _{ok}	μm	x S _{ok}	μm	x S _{ok}	μm	x S _{ok}	μm
1	3.5	43.75	4	50	3.5	43.75	4.5	56.25	5	62.5	4	50
2	5	62.5	4	50	4	50	3.5	43.75	4.5	56.25	4	50
3	4	50	3.5	43.75	3.5	43.75	4	50	5	62.5	5	62.5
4	5	62.5	3.5	43.75	4.5	56.25	4	50	4	50	4	50
5	4.5	56.25	5	62.5	4	50	5	62.5	4.5	56.25	4	50
6	4	50	4.5	56.25	4	50	5	62.5	3.5	43.75	4	50
7	4.5	56.25	4.5	56.25	3.5	43.75	4.5	56.25	5	62.5	4	50
8	4	50	3.5	43.75	3.5	43.75	3.5	43.75	3.5	43.75	3.5	43.75
9	3.5	43.75	4	50	3.5	43.75	4.5	56.25	4.5	56.25	3.5	43.75
10	3.5	43.75	4.5	56.25	4	50	4	50	4.5	56.25	4	50
11	4.5	56.25	3.5	43.75	4.5	56.25	4	50	4.5	56.25	4.5	56.25
12	4	50	4.5	56.25	3.5	43.75	3.5	43.75	5	62.5	3.5	43.75
13	4.5	56.25	4.5	56.25	3.5	43.75	4	50	4	50	4	50
14	4	50	5	62.5	4	50	4	50	4	50	3.5	43.75
15	4	50	5	62.5	4	50	4.5	56.25	4	50	4.5	56.25
16	4	50	4	50	3.5	43.75	3.5	43.75	5	62.5	3	37.5
17	3.5	43.75	3.5	43.75	4.5	56.25	4	50	5	62.5	3.5	43.75
18	4	50	4	50	3.5	43.75	3.5	43.75	4.5	56.25	4	50
19	4	50	4.5	56.25	4.5	56.25	4	50	4.5	56.25	4.5	56.25
20	3.5	43.75	3.5	43.75	4.5	56.25	3.5	43.75	4	50	4	50
21	4	50	4.5	56.25	5	62.5	4	50	5	62.5	4.5	56.25
22	4.5	56.25	4	50	4	50	4.5	56.25	4	50	4	50
23	4	50	5	62.5	3.5	43.75	3.5	43.75	4	50	3.5	43.75
24	4.5	56.25	4.5	56.25	5	62.5	4	50	3.5	43.75	5	62.5
25	4	50	4	50	4.5	56.25	4	50	4	50	5	62.5
Rata-Rata	51.25		52.5		50		50.5		54.5		50.5	

Keterangan:

Tub = Tubulus

Konversi ke dalam satuan μm dengan rumus:

$$\frac{x S_{ok} \times 0.5}{M} \times 1000 = \dots \mu m$$

LAMPIRAN 4

ANALISIS DATA

DIAMETER TUBULUS SEMINIFERUS

Oneway

Descriptives

Hasil								
		95% Confidence Interval for Mean						
	<i>N</i>	<i>Mean</i>	<i>Std. Deviation</i>	<i>Std. Error</i>	<i>Lower Bound</i>	<i>Upper Bound</i>	<i>Minimum</i>	<i>Maximum</i>
Kontrol	6	150.0833	11.26462	4.59876	138.2618	161.9048	129.75	161.25
Dosis 1	6	154.0417	7.67042	3.13144	145.9920	162.0913	144.50	162.50
Dosis 2	6	177.3333	10.54712	4.30584	166.2648	188.4019	160.50	188.25
Dosis 3	6	196.0417	11.97645	4.88937	183.4732	208.6102	181.25	210.50
Total	24	169.3750	21.35861	4.35981	160.3561	178.3939	129.75	210.50

Test of Homogeneity of Variances

Hasil				
<i>Levene Statistic</i>	<i>df1</i>	<i>df2</i>	<i>Sig.</i>	
.325	3	20	.807	

ANOVA

Hasil					
	<i>Sum of Squares</i>	<i>df</i>	<i>Mean Square</i>	<i>F</i>	<i>Sig.</i>
<i>Between Groups</i>	8290.354	3	2763.451	25.099	.000
<i>Within Groups</i>	2202.021	20	110.101		
<i>Total</i>	10492.375	23			

Post Hoc Test

Multiple Comparisons

Dependent Variable: Hasil

Tukey HSD

(I) Kelompok	(J) Kelompok	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
Kontrol	Dosis 1	-3.95833	6.05808	.913	-20.9145	12.9978
	Dosis 2	-27.25000*	6.05808	.001	-44.2062	-10.2938
	Dosis 3	-45.95833*	6.05808	.000	-62.9145	-29.0022
Dosis 1	Kontrol	3.95833	6.05808	.913	-12.9978	20.9145
	Dosis 2	-23.29167*	6.05808	.005	-40.2478	-6.3355
	Dosis 3	-42.00000*	6.05808	.000	-58.9562	-25.0438
Dosis 2	Kontrol	27.25000*	6.05808	.001	10.2938	44.2062
	Dosis 1	23.29167*	6.05808	.005	6.3355	40.2478
	Dosis 3	-18.70833*	6.05808	.027	-35.6645	-1.7522
Dosis 3	Kontrol	45.95833*	6.05808	.000	29.0022	62.9145
	Dosis 1	42.00000*	6.05808	.000	25.0438	58.9562
	Dosis 2	18.70833*	6.05808	.027	1.7522	35.6645

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

Homogenous Subsets

Hasil

Tukey HSD^a

Kelompok	N	Subset for alpha = .05		
		1	2	3
Kontrol	6	150.0833		
Dosis 1	6	154.0417		
Dosis 2	6		177.3333	
Dosis 3	6			196.0417
Sig.		.913	1.000	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 6.000.

KETEBALAN LAPISAN EPITEL GERMINAL

Oneway

Descriptives

Hasil								
	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
Kontrol	6	31.2917	2.67122	1.09052	28.4884	34.0949	27.75	35.00
Dosis 1	6	41.3750	2.80958	1.14701	38.4265	44.3235	36.25	43.75
Dosis 2	6	45.1667	2.11936	.86522	42.9425	47.3908	42.50	48.25
Dosis 3	6	51.5417	1.69128	.69046	49.7668	53.3166	50.00	54.50
Total	24	42.3438	7.81818	1.59588	39.0424	45.6451	27.75	54.50

Test of Homogeneity of Variances

Hasil				
Levene Statistic	df1	df2	Sig.	
.469	3	20	.707	

ANOVA

Hasil					
	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	1293.945	3	431.315	77.085	.000
Within Groups	111.906	20	5.595		
Total	1405.852	23			

Post Hoc Test

Multiple Comparisons

Dependent Variable: Hasil

Tukey HSD

(I) Kelompok	(J) Kelompok	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
Kontrol	Dosis 1	-10.08333*	1.36569	.000	-13.9058	-6.2609
	Dosis 2	-13.87500*	1.36569	.000	-17.6975	-10.0525
	Dosis 3	-20.25000*	1.36569	.000	-24.0725	-16.4275
Dosis 1	Kontrol	10.08333*	1.36569	.000	6.2609	13.9058
	Dosis 2	-3.79167	1.36569	.052	-7.6141	.0308
	Dosis 3	-10.16667*	1.36569	.000	-13.9891	-6.3442
Dosis 2	Kontrol	13.87500*	1.36569	.000	10.0525	17.6975
	Dosis 1	3.79167	1.36569	.052	-.0308	7.6141
	Dosis 3	-6.37500*	1.36569	.001	-10.1975	-2.5525
Dosis 3	Kontrol	20.25000*	1.36569	.000	16.4275	24.0725
	Dosis 1	10.16667*	1.36569	.000	6.3442	13.9891
	Dosis 2	6.37500*	1.36569	.001	2.5525	10.1975

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

Homogenous Subsets

Hasil

Tukey HSD^a

Kelompok	N	Subset for alpha = .05		
		1	2	3
Kontrol	6	31.2917		
Dosis 1	6		41.3750	
Dosis 2	6		45.1667	
Dosis 3	6			51.5417
Sig.		1.000	.052	1.000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 6.000.

LAMPIRAN 5

FOTO-FOTO PENELITIAN

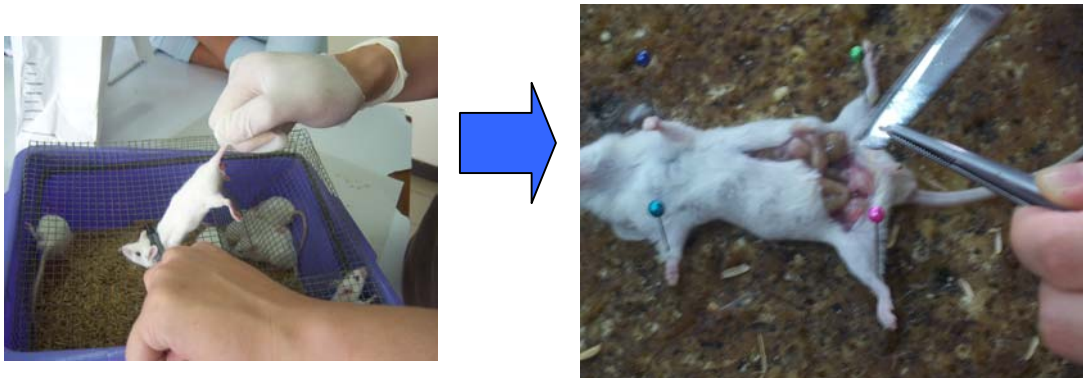
Proses Induksi Mencit dengan Cisplatin



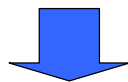
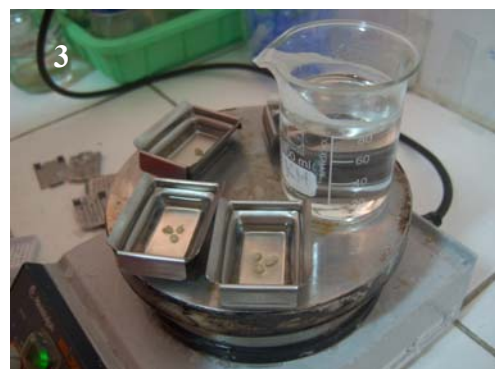
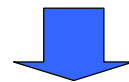
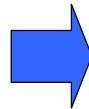
Pemberian Pasta Tomat pada Hewan Coba



Pengambilan Data



Pembuatan Sediaan Histologis

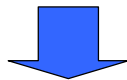
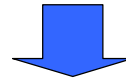


Keterangan:

1: testis dimasukkan dalam kotak perendam 2: dehidrasi dalam larutan alkohol

3-5: jaringan ditanam dalam blok paraffin (*embedding*)

6-7: jaringan dipotong dengan mikrotom



Keterangan:

8: jaringan direndam air dingin

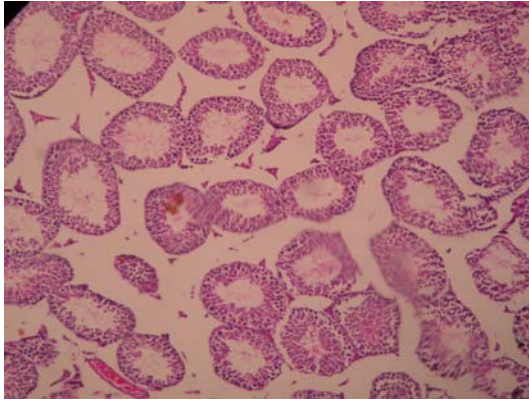
9: jaringan direndam air hangat lalu direkatkan pada gelas objek

10: dipanaskan dalam oven

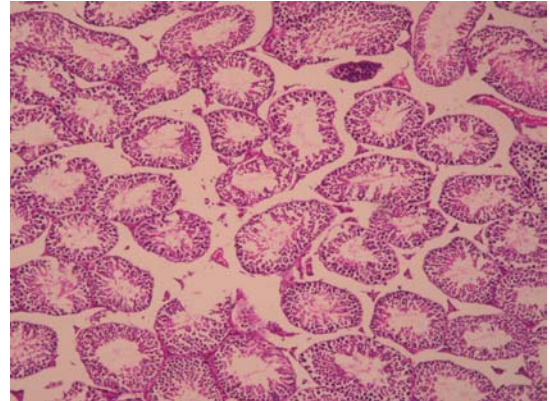
11: pewarnaan preparat

12: preparat ditutup dengan *cover glass*

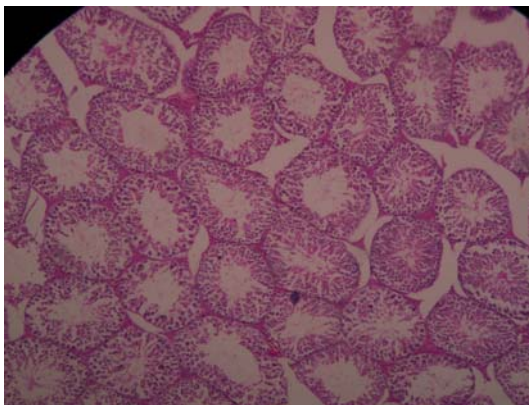
Pengamatan Sediaan Histologis (perbesaran objektif 10x)



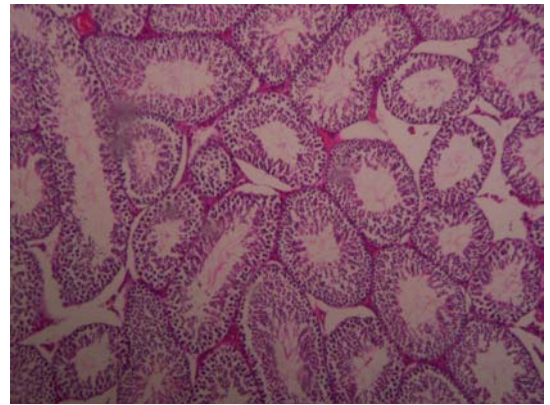
Kontrol



Dosis I

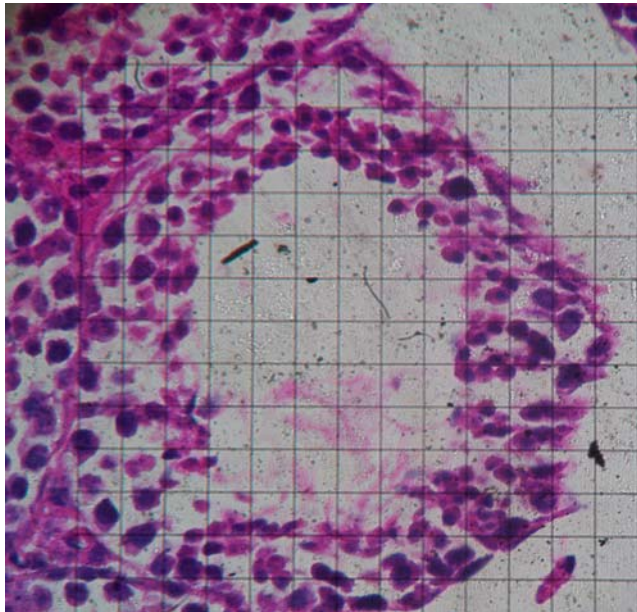


Dosis II

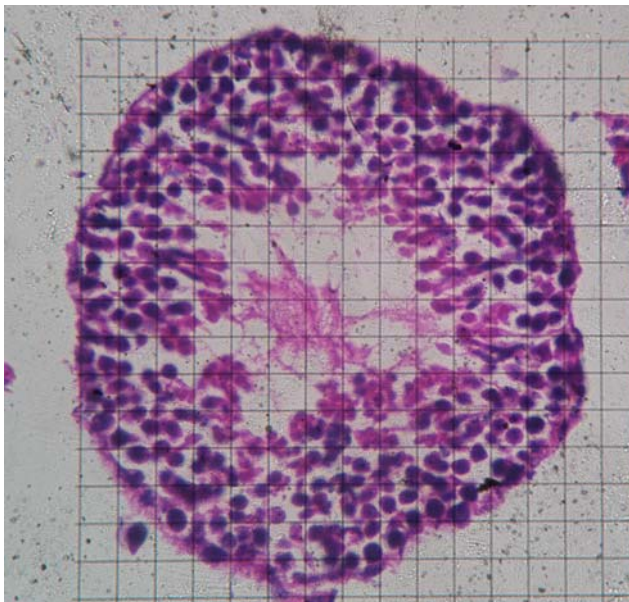


Dosis III

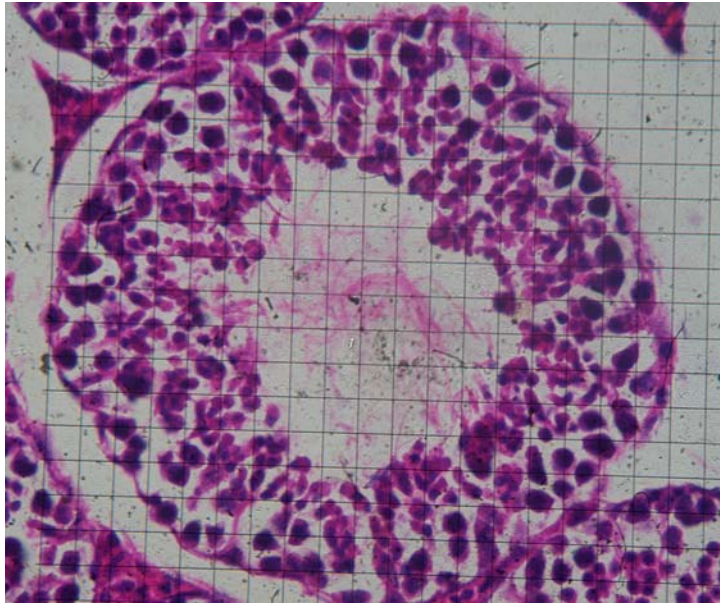
Perbandingan Diameter Tubulus Seminiferus dan Ketebalan Lapisan Epitel Germinal



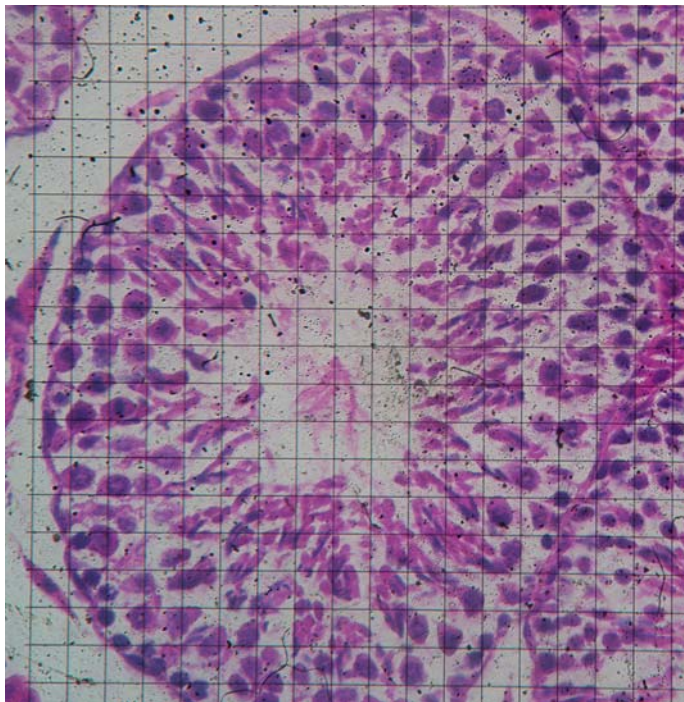
Kontrol
(diameter = 12 kotak, ketebalan epitel = 3 kotak)



Dosis I
(diameter = 13.5 kotak, ketebalan epitel = 4 kotak)



Dosis II
(diameter = 18 kotak, ketebalan epitel = 5 kotak)



Dosis III
(diameter= 17 kotak, ketebalan epitel = 6 kotak)

RIWAYAT HIDUP

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