

LAMPIRAN 1 DOSIS

Penelitian sebelumnya (Pudjiastuti dkk, 1989) :

Dosis NaCl fisiologis = 0,1 ml/10 gBB mencit
=0,2 ml/20 gBB mencit

Dosis asetosal = 52 mg/10 gBB mencit
= 104 mg/20 gBB mencit

Dosis infusa *Murraya paniculata* Jack =Dosis 3 = 60 mg/10 gBB~150 mg/25 g BB
=Dosis 2 =30 mg/10 g BB~75 mg/25 g BB
=Dosis 1 =10 mg/10 g BB~25 mg/25 gBB

Toksitas akut (LD50) dari *Murraya paniculata* Jack dihitung dengan cara Well adalah 115 mg/10 gBB~253,75 mg/10 gBB mencit.

Hasil :

- Dosis 1 sudah menunjukkan efek analgetik dibandingkan dengan NaCl fisiologis (kontrol -).
- Dosis 2 menunjukkan potensi yang mendekati asetosal.
- Dosis 3 menunjukkan potensi yang leboh besar dari asetosal.

Penelitian sebelumnya (Pratiwi, 2006)

Dosis asetosal 30 mg/100gBB tikus (Wahjoedi, Yun Astuti N.,B. Nuratmi, 1997)

Faktor konversi dari tikus yang beratnya \pm 200g ke mencit yang beratnya \pm 20 g adalah 0,14

Mencit yang digunakan dalam penelitian beratnya \pm 25 g

Volume lambung mencit \pm 0,5 ml

Perhitungan :

- Dosis asetosal = 30 mg/100gBB tikus~60mg/200gBB tikus

- Dosis asetosal untuk mencit = $60 \text{ mg} \times 0,14$
= $8,4 \text{ mg}/20\text{g BB} \sim 10,5 \text{ mg}/25 \text{ gBB}$

Dosis asetosal diberikan $10,5 \text{ mg}/25 \text{ gBB}$ mencit.

Volume pemberian $0,5 \text{ ml}$

$$\begin{aligned} 5 \text{ mencit} &= 5 \times 0,5 \\ &= 2,5 \text{ ml (buat 2x)} \\ &= 5 \text{ ml} \end{aligned}$$

Untuk dosis $10,5 \text{ mg}/25 \text{ gBB}$ mencit = $10,5 \text{ mg} \times 5 = 50,25 \text{ mg}$ asetosal

Dosis normal $200 \text{ mg}/\text{kgBB} - 1500 \text{ mg}/\text{kgBB}$

$$\sim 37,5 \text{ mg}/25 \text{ gBB mencit} \quad \text{Dosis 2}$$

Dosis yang dipakai (dengan perbandingan 1, 2, 4) = Dosis 1 = $18,75 \text{ mg}/25\text{gBB}$ mencit

$$\text{Dosis 2} = 37,5 \text{ mg}/25\text{gBB mencit}$$

$$\text{Dosis 3} = 75 \text{ mg}/25\text{gBB mencit}$$

Volume pemberian $0,5 \text{ ml}$

$$\begin{aligned} 5 \text{ mencit} &= 5 \times 0,5 = 2,5 \text{ ml (buat 10x)} \\ &= 25 \text{ ml} \end{aligned}$$

- Untuk dosis 3 ($75 \text{ mg}/25 \text{ gBB}$ mencit) = $75 \times 25 = 1875 \text{ mg}$ *Murraya paniculata* Jack + 25 ml aquadest larutan induk. Jadi $0,5 \text{ ml}$ (pemberian untuk 1 mencit) $\sim 75 \text{ mg}/\text{gBB}$ mencit.
- Untuk dosis 2 ($37,5 \text{ mg}/\text{gBB}$ mencit) = ambil 10 ml dari larutan induk kemudian encerkan 2x (+ 10 ml aquadest). Jadi $0,5 \text{ ml}$ (pemberian untuk 1 ekor mencit) $\sim 37,5 \text{ mg}/\text{gBB}$ mencit .
- Untuk dosis 1 ($18,75 \text{ mg}/\text{g BB}$ mencit) = ambil 5 ml dari larutan untuk dosis 2 kemudian encerkan 2x (+ 5 ml aquadest). Jadi $0,5 \text{ ml}$ (pemberian untuk 1 ekor mencit) $\sim 18,75 \text{ mg}/\text{g BB}$ mencit.

Suspensi CMC 1% :

- CMC 0,5 g + 10 ml aquadest (diencerkan 20x) kembangkan 10 menit
- Aquadest 50 ml pelarut

LAMPIRAN 2

OUTPUT HASIL PENGAMATAN

Waktu Reaksi 10 Menit Sebelum Perlakuan

Oneway

Descriptives

Waktu_Reaksi								
	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
D1	5	4,6200	,31313	,14004	4,2312	5,0088	4,30	5,08
D2	5	3,4700	,30191	,13502	3,0951	3,8449	3,16	3,88
D3	5	3,7780	,84313	,37706	2,7311	4,8249	3,17	5,22
Kontrol positif	5	3,2720	,37963	,16978	2,8006	3,7434	2,69	3,73
Kontrol negatif	5	3,6940	,59509	,26613	2,9551	4,4329	3,20	4,71
Total	25	3,7668	,67468	,13494	3,4883	4,0453	2,69	5,22

ANOVA

Waktu_Reaksi					
	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	5,331	4	1,333	4,766	,007
Within Groups	5,593	20	,280		
Total	10,925	24			

Homogeneous Subsets

Waktu_Reaksi					
	Perlakuan	N	Subset for alpha = .05		
			1	2	
Duncan ^a	Kontrol positif	5	3,2720		
	D2	5	3,4700		
	Kontrol negatif	5	3,6940		
	D3	5	3,7780		
	D1	5		4,6200	
	Sig.			,180	1,000

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5,000.

Waktu Reaksi Total Setelah Perlakuan Selama 90 Menit

Oneway

Descriptives

Waktu_Reaksi									
	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum	
					Lower Bound	Upper Bound			
D1	7	6,5100	1,77184	,66969	4,8713	8,1487	4,91	10,05	
D2	7	7,5571	2,37482	,89760	5,3608	9,7535	4,33	11,33	
D3	7	7,3914	3,11524	1,17745	4,5103	10,2725	3,68	11,44	
Kontrol positif	7	5,4829	1,16860	,44169	4,4021	6,5636	4,63	7,98	
Kontrol negatif	7	4,5157	,93295	,35262	3,6529	5,3785	3,15	6,07	
Total	35	6,2914	2,24255	,37906	5,5211	7,0618	3,15	11,44	

ANOVA

Waktu_Reaksi					
	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	46,667	4	11,667	2,815	,043
Within Groups	124,320	30	4,144		
Total	170,987	34			

Homogeneous Subsets

Waktu_Reaksi

	Perlakuan	N	Subset for alpha = .05	
			1	2
Duncan ^a	Kontrol negatif	7	4,5157	
	Kontrol positif	7	5,4829	5,4829
	D1	7	6,5100	6,5100
	D3	7		7,3914
	D2	7		7,5571
	Sig.			,092

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 7,000.

LAMPIRAN

OUTPUT TRANSFORMASI HASIL PENGAMATAN

Waktu Reaksi 10 Menit Sebelum Perlakuan

Oneway

Descriptives

WaktuReaksi

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
					D1	5		
D2	5	,5400	,03808	,01703	,4927	,5873	,50	,59
D3	5	,5720	,08871	,03967	,4618	,6822	,50	,72
Kontrol positif	5	,5120	,05215	,02332	,4472	,5768	,43	,57
Kontrol negatif	5	,5640	,06309	,02821	,4857	,6423	,51	,67
Total	25	,5704	,07464	,01493	,5396	,6012	,43	,72

ANOVA

WaktuReaksi

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	,066	4	,016	4,831	,007
Within Groups	,068	20	,003		
Total	,134	24			

Post Hoc Tests

Multiple Comparisons

Dependent Variable: WaktuReaksi

	(I) Perlakuan	(J) Perlakuan	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
Tukey HSD	D1	D2	,12400*	,03688	,023	,0136	,2344
		D3	,09200	,03688	,132	-,0184	,2024
		Kontrol positif	,15200*	,03688	,004	,0416	,2624
		Kontrol negatif	,10000	,03688	,087	-,0104	,2104
	D2	D1	-,12400*	,03688	,023	-,2344	-,0136
		D3	-,03200	,03688	,905	-,1424	,0784
		Kontrol positif	,02800	,03688	,939	-,0824	,1384
		Kontrol negatif	-,02400	,03688	,964	-,1344	,0864
	D3	D1	-,09200	,03688	,132	-,2024	,0184
		D2	,03200	,03688	,905	-,0784	,1424
		Kontrol positif	,06000	,03688	,498	-,0504	,1704
		Kontrol negatif	,00800	,03688	,999	-,1024	,1184
	Kontrol positif	D1	-,15200*	,03688	,004	-,2624	-,0416
		D2	-,02800	,03688	,939	-,1384	,0824
		D3	-,06000	,03688	,498	-,1704	,0504
		Kontrol negatif	-,05200	,03688	,629	-,1624	,0584
Kontrol negatif	D1	-,10000	,03688	,087	-,2104	,0104	
	D2	,02400	,03688	,964	-,0864	,1344	
	D3	-,00800	,03688	,999	-,1184	,1024	
	Kontrol positif	,05200	,03688	,629	-,0584	,1624	

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

Homogeneous Subsets

WaktuReaksi

Perlakuan	N	Subset for alpha = .05	
		1	2
Tukey HSD ^a Kontrol positif	5	,5120	
D2	5	,5400	
Kontrol negatif	5	,5640	,5640
D3	5	,5720	,5720
D1	5		,6640
Sig.		,498	,087

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 5,000.

Waktu Reaksi Total Setelah Perlakuan Selama 90 Menit

Oneway

Descriptives

Waktu_Reaksi

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
D1	7	,8014	,10792	,04079	,7016	,9012	,69	1,00
D2	7	,8600	,14036	,05305	,7302	,9898	,64	1,05
D3	7	2,6643	,58249	,22016	2,1256	3,2030	1,92	3,38
Kontrol positif	7	,7329	,08056	,03045	,6583	,8074	,67	,90
Kontrol negatif	7	,6457	,08960	,03387	,5628	,7286	,50	,78
Total	35	1,1409	,81884	,13841	,8596	1,4221	,50	3,38

ANOVA

Waktu_Reaksi

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	20,486	4	5,121	66,485	,000
Within Groups	2,311	30	,077		
Total	22,797	34			

Post Hoc Tests

Multiple Comparisons

Dependent Variable: Waktu_Reaksi

	(I) Perlakuan	(J) Perlakuan	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
						Lower Bound	Upper Bound
Tukey HSD	D1	D2	-,05857	,14836	,995	-,4889	,3717
		D3	-1,86286*	,14836	,000	-2,2932	-1,4325
		Kontrol positif	,06857	,14836	,990	-,3617	,4989
		Kontrol negatif	,15571	,14836	,830	-,2746	,5860
	D2	D1	,05857	,14836	,995	-,3717	,4889
		D3	-1,80429*	,14836	,000	-2,2346	-1,3740
		Kontrol positif	,12714	,14836	,910	-,3032	,5575
		Kontrol negatif	,21429	,14836	,605	-,2160	,6446
	D3	D1	1,86286*	,14836	,000	1,4325	2,2932
		D2	1,80429*	,14836	,000	1,3740	2,2346
		Kontrol positif	1,93143*	,14836	,000	1,5011	2,3617
		Kontrol negatif	2,01857*	,14836	,000	1,5883	2,4489
	Kontrol positif	D1	-,06857	,14836	,990	-,4989	,3617
		D2	-,12714	,14836	,910	-,5575	,3032
		D3	-1,93143*	,14836	,000	-2,3617	-1,5011
		Kontrol negatif	,08714	,14836	,976	-,3432	,5175
Kontrol negatif	D1	-,15571	,14836	,830	-,5860	,2746	
	D2	-,21429	,14836	,605	-,6446	,2160	
	D3	-2,01857*	,14836	,000	-2,4489	-1,5883	
	Kontrol positif	-,08714	,14836	,976	-,5175	,3432	

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

Homogeneous Subsets

Waktu_Reaksi

	Perlakuan	N	Subset for alpha = .05	
			1	2
Tukey HSD ^a	Kontrol negatif	7	,6457	
	Kontrol positif	7	,7329	
	D1	7	,8014	
	D2	7	,8600	
	D3	7		2,6643
	Sig.			,605

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 7,000.

RIWAYAT HIDUP

Nama : Ganda Irma Melati

NRP : 0410136

Tempat, tanggal lahir : Dumai, 30 September 1986

Alamat : Jl. Air Bersih No 47 Dumai-Riau

Riwayat Pendidikan :

- § Tahun 1992 lulus TK Santo Tarcisius Dumai-Riau
- § Tahun 1998 lulus SD Santo Tarcisius Dumai-Riau
- § Tahun 2001 lulus SMP Santo Tarcisius Dumai-Riau
- § Tahun 2004 lulus SMU Santo Thomas II Medan