

## LAMPIRAN

## Lampiran 1: Hasil Pengukuran Volume Edema Telapak Kaki Tikus

Kandang I (kontrol positif-hanya disuntik carrageen)

No Tikus	BB (gram)	Menit 0	Menit 15 carrageen (ml)	Menit 30 carrageen (ml)	Menit 45 carrageen (ml)	Menit 60 carrageen (ml)
1	201	0.6	1.2	1	1	1
2	204	0.6	1.2	1.2	1	1
3	210	0.8	1.4	1.4	1.2	1.2
4	195	0.4	1.4	1.2	1.1	1
5	192	0.6	1.2	1	1.1	1
6	136	0.6	1.2	1.1	1.1	1

Kandang II (Carrageen+Serbuk bonggol nanas (bromelain) dosis I 10mg/kgBB (2mg/0.5cc))

No Tikus	BB (gram)	Menit 0	Menit 15 carageen (ml)	Menit 15 bromelain dosis I (ml)	Menit 30 bromelain dosis I (ml)	Menit 45 bromelain dosis I (ml)	Menit 60 bromelain dosis I (ml)
1	176	0.6	1.2	1.2	1	1	0.9
2	176	0.6	1.2	1.1	1.1	0.9	1
3	177	0.6	1.2	1.2	1	1	0.9
4	171	0.6	1.4	1.3	1.2	1	0.9
5	177	0.6	1.4	1.2	1	0.9	0.9
6	142	0.4	1.2	1.2	1.1	1	1

Kandang III (Carrageen+Serbuk bonggol nanas (bromelain) dosis II 20mg/kgBB (4mg/1cc))

No Tikus	BB (gram)	Menit 0	Menit 15 carageen (ml)	Menit 15 bromelain dosis II (ml)	Menit 30 bromelain dosis II (ml)	Menit 45 bromelain dosis II (ml)	Menit 60 bromelain dosis II (ml)
1	168	0.6	1.4	1.4	1.2	1.2	1
2	170	0.6	1.2	1.2	1.1	1.1	0.9
3	173	0.5	1.4	1.2	1.1	1	1
4	175	0.5	1.3	1.1	1	0.9	0.9
5	163	0.5	1.2	1.2	1.1	1	0.9
6	154	0.4	1.4	1.4	1.2	1.2	1.1

Kandang IV (Carrageen+Serbuk bonggol nanas (bromelain) dosis III 40mg/kgBB (8mg/2cc))

Tikus	BB (gram)	Menit 0	Menit 15 carrageen (ml)	Menit 15 bromelain dosis III (ml)	Menit 30 bromelain dosis III (ml)	Menit 45 bromelain dosis III (ml)	Menit 60 bromelain dosis III (ml)
1	154	0.6	1.4	1.2	1.2	1	0.9
2	153	0.6	1.2	1	1	0.8	0.8
3	256	0.5	1.4	1.2	1	0.9	0.8
4	172	0.6	1.2	1	1	0.8	0.8
5	165	0.6	1.2	1	1	1	0.8
6	186	0.7	1.3	1.3	1.2	1	1

Kandang V (Carrageen+Aspirin dosis 200mg/kgBB (40mg/2cc))

Tikus	BB (gram)	Menit 0	Menit 15 carrageen (ml)	Menit 15 setelah diberi aspirin	Menit 30 setelah diberi aspirin	Menit 45 setelah diberi aspirin	Menit 60 setelah diberi aspirin
1	191	0.6	1.4	1.2	1	1	1
2	154	0.5	1.3	1.2	1.1	1	1
3	150	0.8	1.2	1.2	1	0.9	0.8
4	156	0.6	1.4	1.2	1	1	1
5	163	0.6	1.2	1	1	1	0.9
6	157	0.6	1.4	1.2	1.2	1	1

Lampiran 2: Uji Asumsi Data

Tests of Normality

Kelompok	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk			
	Statistic	df	Sig.	Statistic	df	Sig.	
menit0	Carrageen	.333	6	.036	.827	6	.101*
	carrageen + bromelain 1	.492	6	.000	.496	6	.000
	carrageen + bromelain 2	.254	6	.200*	.866	6	.212*
	carrageen + bromelain 3	.333	6	.036	.827	6	.101*
	Aspirin	.401	6	.003	.770	6	.031
menit15	Carrageen	.407	6	.002	.640	6	.001
	carrageen + bromelain 1	.492	6	.000	.496	6	.000
	carrageen + bromelain 2	.319	6	.056	.700	6	.006

menit30	carrageen + bromelain 3	.319	6	.056	.683	6	.004
	aspirin	.319	6	.056	.683	6	.004
	carrageen	.492	6	.000	.496	6	.000
	carrageen + bromelain 1	.293	6	.117	.822	6	.091*
	carrageen + bromelain 2	.319	6	.057	.714	6	.009
	carrageen + bromelain 3	.319	6	.056	.683	6	.004
menit45	aspirin	.319	6	.056	.683	6	.004
	carrageen	.407	6	.002	.640	6	.001
	carrageen + bromelain 1	.401	6	.003	.770	6	.031
	carrageen + bromelain 2	.319	6	.056	.701	6	.006
	carrageen + bromelain 3	.319	6	.056	.683	6	.004
	aspirin	.319	6	.056	.683	6	.004
menit60	carrageen	.492	6	.000	.496	6	.000
	carrageen + bromelain 1	.407	6	.002	.640	6	.001
	carrageen + bromelain 2	.293	6	.117	.822	6	.091*
	carrageen + bromelain 3	.392	6	.004	.701	6	.006
	aspirin	.392	6	.004	.701	6	.006

\*. This is a lower bound of the true significance.

a. Lilliefors Significance Correction

### Test of Homogeneity of Variances

Volume

Levene Statistic	df1	df2	Sig.
.205	4	25	.933

### Lampiran 3: Uji Kruskal-Wallis

#### Ranks

	Kelompok	N	Mean Rank
menit0	Carrageen	6	17.25
	carrageen + bromelain 1	6	15.33
	carrageen + bromelain 2	6	9.33
	carrageen + bromelain 3	6	17.67
	Aspirin	6	17.92
	Total		30
menit15	Carrageen	6	8.33
	carrageen + bromelain 1	6	12.08
	carrageen + bromelain 2	6	21.08
	carrageen + bromelain 3	6	24.50
	Aspirin	6	11.50

	Total	30	
menit30	Carrageen	6	8.58
	carrageen + bromelain 1	6	11.08
	carrageen + bromelain 2	6	19.83
	carrageen + bromelain 3	6	24.50
	Aspirin	6	13.50
	Total	30	
menit45	Carrageen	6	7.00
	carrageen + bromelain 1	6	9.58
	carrageen + bromelain 2	6	21.67
	carrageen + bromelain 3	6	24.50
	Aspirin	6	14.75
	Total	30	
menit60	Carrageen	6	22.92
	carrageen + bromelain 1	6	13.83
	carrageen + bromelain 2	6	17.00
	carrageen + bromelain 3	6	7.25
	Aspirin	6	16.50
	Total	30	

Test Statistics<sup>a,b</sup>

	menit0	menit15	menit30	menit45	menit60
Chi-Square	5.398	15.701	14.479	18.850	11.519
Df	4	4	4	4	4
Asymp. Sig.	.249	.003	.006	.001	.021

a. Kruskal Wallis Test

b. Grouping Variable: kelompok

#### Lampiran 4: Uji Mann-Whitney

##### Kontrol Positif dan Kelompok Perlakuan 1

		Ranks		
	Kelompok	N	Mean Rank	Sum of Ranks
menit0	Carrageen	6	6.92	41.50
	carrageen + bromelain 1	6	6.08	36.50
	Total	12		
menit15	Carrageen	6	5.17	31.00
	carrageen + bromelain 1	6	7.83	47.00
	Total	12		
menit30	carrageen	6	5.67	34.00



	carrageen + bromelain 1	6	7.33	44.00
	Total	12		
menit45	carrageen	6	4.50	27.00
	carrageen + bromelain 1	6	8.50	51.00
	Total	12		
menit60	carrageen	6	8.67	52.00
	carrageen + bromelain 1	6	4.33	26.00
	Total	12		

Test Statistics<sup>a</sup>

	menit0	menit15	menit30	menit45	menit60
Mann-Whitney U	15.500	10.000	13.000	6.000	5.000
Wilcoxon W	36.500	31.000	34.000	27.000	26.000
Z	-.527	-1.687	-.957	-2.152	-2.373
Asymp. Sig. (2-tailed)	.598	.092	.338	.031	.018
Exact Sig. [2*(1-tailed Sig.)]	.699 <sup>b</sup>	.240 <sup>b</sup>	.485 <sup>b</sup>	.065 <sup>b</sup>	.041 <sup>b</sup>

a. Grouping Variable: kelompok

b. Not corrected for ties.

### Kontrol Positif dan Kelompok Perlakuan 2

Ranks

	kelompok	N	Mean Rank	Sum of Ranks
menit0	carrageen	6	7.92	47.50
	carrageen + bromelain 2	6	5.08	30.50
	Total	12		
menit15	carrageen	6	4.17	25.00
	carrageen + bromelain 2	6	8.83	53.00
	Total	12		
menit30	carrageen	6	4.67	28.00
	carrageen + bromelain 2	6	8.33	50.00
	Total	12		
menit45	carrageen	6	3.83	23.00
	carrageen + bromelain 2	6	9.17	55.00
	Total	12		
menit60	carrageen	6	7.83	47.00
	carrageen + bromelain 2	6	5.17	31.00
	Total	12		

Test Statistics<sup>a</sup>

	menit0	menit15	menit30	menit45	menit60

Mann-Whitney U	9.500	4.000	7.000	2.000	10.000
Wilcoxon W	30.500	25.000	28.000	23.000	31.000
Z	-1.468	-2.417	-1.981	-2.682	-1.441
Asymp. Sig. (2-tailed)	.142	.016	.048	.007	.150
Exact Sig. [2*(1-tailed Sig.)]	.180 <sup>b</sup>	.026 <sup>b</sup>	.093 <sup>b</sup>	.009 <sup>b</sup>	.240 <sup>b</sup>

- a. Grouping Variable: kelompok
- b. Not corrected for ties.

**Kontrol Positif dan Kelompok Perlakuan 3**

**Ranks**

	kelompok	N	Mean Rank	Sum of Ranks
menit0	carrageen	6	6.50	39.00
	carrageen + bromelain 3	6	6.50	39.00
	Total	12		
menit15	carrageen	6	3.50	21.00
	carrageen + bromelain 3	6	9.50	57.00
	Total	12		
menit30	carrageen	6	3.50	21.00
	carrageen + bromelain 3	6	9.50	57.00
	Total	12		
menit45	carrageen	6	3.50	21.00
	carrageen + bromelain 3	6	9.50	57.00
	Total	12		
menit60	carrageen	6	9.08	54.50
	carrageen + bromelain 3	6	3.92	23.50
	Total	12		

**Test Statistics<sup>a</sup>**

	menit0	menit15	menit30	menit45	menit60
Mann-Whitney U	18.000	.000	.000	.000	2.500
Wilcoxon W	39.000	21.000	21.000	21.000	23.500
Z	.000	-2.983	-3.035	-2.983	-2.704
Asymp. Sig. (2-tailed)	1.000	.003	.002	.003	.007
Exact Sig. [2*(1-tailed Sig.)]	1.000 <sup>b</sup>	.002 <sup>b</sup>	.002 <sup>b</sup>	.002 <sup>b</sup>	.009 <sup>b</sup>

- a. Grouping Variable: kelompok
- b. Not corrected for ties.

**Kontrol Positif dan Kelompok Pembanding Aspirin**

**Ranks**

kelompok	N	Mean Rank	Sum of Ranks
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menit0	carrageen	6	6.42	38.50
	aspirin	6	6.58	39.50
	Total	12		
menit15	carrageen	6	6.00	36.00
	aspirin	6	7.00	42.00
	Total	12		
menit30	carrageen	6	5.25	31.50
	aspirin	6	7.75	46.50
	Total	12		
menit45	carrageen	6	4.50	27.00
	aspirin	6	8.50	51.00
	Total	12		
menit60	carrageen	6	7.83	47.00
	aspirin	6	5.17	31.00
	Total	12		

**Test Statistics<sup>a</sup>**

	menit0	menit15	menit30	menit45	menit60
Mann-Whitney U	17.500	15.000	10.500	6.000	10.000
Wilcoxon W	38.500	36.000	31.500	27.000	31.000
Z	-.096	-.512	-1.443	-2.166	-1.681
Asymp. Sig. (2-tailed)	.924	.609	.149	.030	.093
Exact Sig. [2*(1-tailed Sig.)]	.937 <sup>b</sup>	.699 <sup>b</sup>	.240 <sup>b</sup>	.065 <sup>b</sup>	.240 <sup>b</sup>

a. Grouping Variable: kelompok

b. Not corrected for ties.

**Kontrol Perlakuan 1 dan Kelompok Perlakuan 2**

**Ranks**

	kelompok	N	Mean Rank	Sum of Ranks
menit0	carrageen + bromelain 1	6	7.75	46.50
	carrageen + bromelain 2	6	5.25	31.50
	Total	12		
menit15	carrageen + bromelain 1	6	4.75	28.50
	carrageen + bromelain 2	6	8.25	49.50
	Total	12		
menit30	carrageen + bromelain 1	6	5.00	30.00
	carrageen + bromelain 2	6	8.00	48.00
	Total	12		
menit45	carrageen + bromelain 1	6	4.67	28.00
	carrageen + bromelain 2	6	8.33	50.00
	Total	12		

Total	12		
menit60 carrageen + bromelain 1	6	5.83	35.00
carrageen + bromelain 2	6	7.17	43.00
Total	12		

Test Statistics<sup>a</sup>

	menit0	menit15	menit30	menit45	menit60
Mann-Whitney U	10.500	7.500	9.000	7.000	14.000
Wilcoxon W	31.500	28.500	30.000	28.000	35.000
Z	-1.354	-1.896	-1.509	-1.823	-.730
Asymp. Sig. (2-tailed)	.176	.058	.131	.068	.465
Exact Sig. [2*(1-tailed Sig.)]	.240 <sup>b</sup>	.093 <sup>b</sup>	.180 <sup>b</sup>	.093 <sup>b</sup>	.589 <sup>b</sup>

a. Grouping Variable: kelompok

b. Not corrected for ties.

### Kontrol Perlakuan 1 dan Kelompok Perlakuan 3

Ranks

	kelompok	N	Mean Rank	Sum of Ranks
menit0	carrageen + bromelain 1	6	6.00	36.00
	carrageen + bromelain 3	6	7.00	42.00
	Total	12		
menit15	carrageen + bromelain 1	6	3.50	21.00
	carrageen + bromelain 3	6	9.50	57.00
	Total	12		
menit30	carrageen + bromelain 1	6	3.50	21.00
	carrageen + bromelain 3	6	9.50	57.00
	Total	12		
menit45	carrageen + bromelain 1	6	3.50	21.00
	carrageen + bromelain 3	6	9.50	57.00
	Total	12		
menit60	carrageen + bromelain 1	6	8.33	50.00
	carrageen + bromelain 3	6	4.67	28.00
	Total	12		

Test Statistics<sup>a</sup>

	menit0	menit15	menit30	menit45	menit60
Mann-Whitney U	15.000	.000	.000	.000	7.000
Wilcoxon W	36.000	21.000	21.000	21.000	28.000
Z	-.631	-3.035	-2.950	-2.950	-1.876
Asymp. Sig. (2-tailed)	.528	.002	.003	.003	.061
Exact Sig. [2*(1-tailed Sig.)]	.699 <sup>b</sup>	.002 <sup>b</sup>	.002 <sup>b</sup>	.002 <sup>b</sup>	.093 <sup>b</sup>



- a. Grouping Variable: kelompok
- b. Not corrected for ties.

**Kontrol Perlakuan 1 dan Kelompok Pembanding Aspirin**

		Ranks		
	kelompok	N	Mean Rank	Sum of Ranks
menit0	carrageen + bromelain 1	6	6.00	36.00
	aspirin	6	7.00	42.00
	Total	12		
menit15	carrageen + bromelain 1	6	6.50	39.00
	aspirin	6	6.50	39.00
	Total	12		
menit30	carrageen + bromelain 1	6	5.75	34.50
	aspirin	6	7.25	43.50
	Total	12		
menit45	carrageen + bromelain 1	6	5.75	34.50
	aspirin	6	7.25	43.50
	Total	12		
menit60	carrageen + bromelain 1	6	5.83	35.00
	aspirin	6	7.17	43.00
	Total	12		

**Test Statistics<sup>a</sup>**

	menit0	menit15	menit30	menit45	menit60
Mann-Whitney U	15.000	18.000	13.500	13.500	14.000
Wilcoxon W	36.000	39.000	34.500	34.500	35.000
Z	-.631	.000	-.777	-.777	-.713
Asymp. Sig. (2-tailed)	.528	1.000	.437	.437	.476
Exact Sig. [2*(1-tailed Sig.)]	.699 <sup>b</sup>	1.000 <sup>b</sup>	.485 <sup>b</sup>	.485 <sup>b</sup>	.589 <sup>b</sup>

- a. Grouping Variable: kelompok
- b. Not corrected for ties.

**Kontrol Perlakuan 2 dan Kelompok Perlakuan 3**

		Ranks		
	kelompok	N	Mean Rank	Sum of Ranks
menit0	carrageen + bromelain 2	6	4.75	28.50
	carrageen + bromelain 3	6	8.25	49.50
	Total	12		
menit15	carrageen + bromelain 2	6	6.50	39.00
	carrageen + bromelain 3	6	6.50	39.00
	Total	12		

menit30	carrageen + bromelain 2	6	6.50	39.00
	carrageen + bromelain 3	6	6.50	39.00
	Total	12		
menit45	carrageen + bromelain 2	6	6.50	39.00
	carrageen + bromelain 3	6	6.50	39.00
	Total	12		
menit60	carrageen + bromelain 2	6	8.58	51.50
	carrageen + bromelain 3	6	4.42	26.50
	Total	12		

**Test Statistics<sup>a</sup>**

	menit0	menit15	menit30	menit45	menit60
Mann-Whitney U	7.500	18.000	18.000	18.000	5.500
Wilcoxon W	28.500	39.000	39.000	39.000	26.500
Z	-1.832	.000	.000	.000	-2.091
Asymp. Sig. (2-tailed)	.067	1.000	1.000	1.000	.037
Exact Sig. [2*(1-tailed Sig.)]	.093 <sup>b</sup>	1.000 <sup>b</sup>	1.000 <sup>b</sup>	1.000 <sup>b</sup>	.041 <sup>b</sup>

a. Grouping Variable: kelompok

b. Not corrected for ties.

**Kontrol Perlakuan 2 dan Kelompok Pembanding Aspirin**

**Ranks**

	kelompok	N	Mean Rank	Sum of Ranks
menit0	carrageen + bromelain 2	6	4.75	28.50
	aspirin	6	8.25	49.50
	Total	12		
menit15	carrageen + bromelain 2	6	8.00	48.00
	aspirin	6	5.00	30.00
	Total	12		
menit30	carrageen + bromelain 2	6	7.50	45.00
	aspirin	6	5.50	33.00
	Total	12		
menit45	carrageen + bromelain 2	6	7.75	46.50
	aspirin	6	5.25	31.50
	Total	12		
menit60	carrageen + bromelain 2	6	6.58	39.50
	aspirin	6	6.42	38.50
	Total	12		

**Test Statistics<sup>a</sup>**

	menit0	menit15	menit30	menit45	menit60
Mann-Whitney U	7.500	9.000	12.000	10.500	17.500
Wilcoxon W	28.500	30.000	33.000	31.500	38.500
Z	-1.832	-1.475	-1.012	-1.241	-.087
Asymp. Sig. (2-tailed)	.067	.140	.312	.215	.930
Exact Sig. [2*(1-tailed Sig.)]	.093 <sup>b</sup>	.180 <sup>b</sup>	.394 <sup>b</sup>	.240 <sup>b</sup>	.937 <sup>b</sup>

a. Grouping Variable: kelompok

b. Not corrected for ties.

### Kontrol Perlakuan 3 dan Kelompok Pembanding Aspirin

Ranks

	kelompok	N	Mean Rank	Sum of Ranks
menit0	carrageen + bromelain 3	6	6.42	38.50
	aspirin	6	6.58	39.50
	Total	12		
menit15	carrageen + bromelain 3	6	9.50	57.00
	aspirin	6	3.50	21.00
	Total	12		
menit30	carrageen + bromelain 3	6	9.50	57.00
	aspirin	6	3.50	21.00
	Total	12		
menit45	carrageen + bromelain 3	6	9.50	57.00
	aspirin	6	3.50	21.00
	Total	12		
menit60	carrageen + bromelain 3	6	4.75	28.50
	aspirin	6	8.25	49.50
	Total	12		

Test Statistics<sup>a</sup>

	menit0	menit15	menit30	menit45	menit60
Mann-Whitney U	17.500	.000	.000	.000	7.500
Wilcoxon W	38.500	21.000	21.000	21.000	28.500
Z	-.096	-2.966	-2.966	-2.966	-1.817
Asymp. Sig. (2-tailed)	.924	.003	.003	.003	.069
Exact Sig. [2*(1-tailed Sig.)]	.937 <sup>b</sup>	.002 <sup>b</sup>	.002 <sup>b</sup>	.002 <sup>b</sup>	.093 <sup>b</sup>

a. Grouping Variable: kelompok

b. Not corrected for ties.

**Hasil Uji Mann-Whitney**

		Signifikansi				
		menit 0	menit 15	menit 30	menit 45	menit 60
carrageen	carrageen + bromelain 1	.598	.092	.338	.031*	.018*
	carrageen + bromelain 2	.142	.016*	.048*	.007*	.150
	carrageen + bromelain 3	1.000	.003*	.002*	.003*	.007*
	carrageen + aspirin	.924	.609	.149	.030*	.093
carrageen + bromelain 1	carrageen	.598	.092	.338	.031*	.018*
	carrageen + bromelain 2	.176	.058	.131	.068	.465
	carrageen + bromelain 3	.528	.002*	.003*	.003*	.061
	carrageen + aspirin	.528	1.000	.437	.437	.476
carrageen + bromelain 2	carrageen	.142	.016*	.048*	.007*	.150
	carrageen + bromelain 1	.176	.058	.131	.068	.465
	carrageen + bromelain 3	.067	1.000	1.000	1.000	.037*
	carrageen + aspirin	.067	.140	.312	.215	.930
carrageen + aspirin	carrageen	1.000	.003*	.002*	.003*	.007*
	carrageen + bromelain 1	.528	.002*	.003*	.003*	.061
	carrageen + bromelain 2	.067	1.000	1.000	1.000	.037*
	carrageen + aspirin	.924	.003*	.003*	.003*	.069
carrageen + aspirin	carrageen	.924	.609	.149	.030*	.093
	carrageen + bromelain 1	.528	1.000	.437	.437	.476
	carrageen + bromelain 2	.067	.140	.312	.215	.930
	carrageen + bromelain 3	.924	.003*	.003*	.003*	.069

**Lampiran 5: Uji Korelasi Nonparametrik**

**Correlations**

		kelompok	menit0	menit15	menit30	menit45	menit60
kelompok	Correlation Coefficient	1.000	-.065	-.345	-.163	-.424*	-.606**
	Sig. (2-tailed)	.	.762	.099	.447	.039	.002
	N	24	24	24	24	24	24
menit0	Correlation Coefficient	-.065	1.000	-.019	.074	.033	.001
	Sig. (2-tailed)	.762	.	.930	.731	.879	.998
	N	24	24	24	24	24	24
menit15	Correlation Coefficient	-.345	-.019	1.000	.731**	.747**	.643**
	Sig. (2-tailed)	.099	.930	.	.000	.000	.001
	N	24	24	24	24	24	24
menit30	Correlation Coefficient	-.163	.074	.731**	1.000	.593**	.622**
	Sig. (2-tailed)	.447	.731	.000	.	.002	.001



	N	24	24	24	24	24	24
menit45	Correlation Coefficient	-.424*	.033	.747**	.593**	1.000	.671**
	Sig. (2-tailed)	.039	.879	.000	.002	.	.000
	N	24	24	24	24	24	24
menit60	Correlation Coefficient	-.606**	.001	.643**	.622**	.671**	1.000
	Sig. (2-tailed)	.002	.998	.001	.001	.000	.
	N	24	24	24	24	24	24

\*. Correlation is significant at the 0.05 level (2-tailed).

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

### Lampiran 6: Hasil Perhitungan Pemberian Dosis Serbuk bonggol nanas (bromelain) dan aspirin

-Lambung tikus 3 cc -> agar aman pemberian per oral adalah 2 cc

#### -Dosis larutan serbuk bonggol nanas (bromelain):

200 gram (BB tikus) x 0,01 gram (dosis I 10mg/kgBB) = 0,002 gram = 2mg x 6 ekor tikus = 12 mg

1000

(untuk kandang II perlakuan carrageen+serbuk bonggol nanas dosis I (10mg/kgBB)

200 gram (BB tikus) x 0,02 gram (dosis II 20mg/kgBB) = 0,004 gram = 4mg x 6 ekor tikus = 24 mg

1000

(untuk kandang III perlakuan carrageen+serbuk bonggol nanas dosis II (20mg/kgBB)

200gram (BB tikus) x 0,04 gram (dosis III 40mg/kgBB) = 0,008 gram = 8mg x 6 ekor tikus = 48 mg

1000

(untuk kandang IV perlakuan carrageen+serbuk bonggol nanas dosis III (40mg/kgBB)

Total larutan serbuk bonggol nanas (bromelain) = 84 mg

#### - Konsentrasi larutan serbuk bonggol nanas (bromelain) :

Dosis I (10mg/kgBB) = 2mg/0,5 cc x 6 ekor tikus = 3 cc

Dosis II (20mg/kgBB) = 4mg/cc x 6 ekor tikus = 6 cc

Dosis III (40mg/kgBB) = 8mg/2cc x 6 ekor tikus = 12 cc

Total konsentrasi larutan serbuk bonggol nanas (bromelain) = 21 cc

**Total konsentrasi larutan serbuk bonggol nanas (bromelain) adalah 84mg/21cc.**

**Konsentrasi larutan serbuk bonggol nanas (bromelain) adalah 4mg/cc.**

- Dosis larutan aspirin:

200 gram (BB tikus) x 0,2 gram (dosis aspirin 200mg/kgBB) = 0,04 gram = 40 mg x 6 ekor tikus

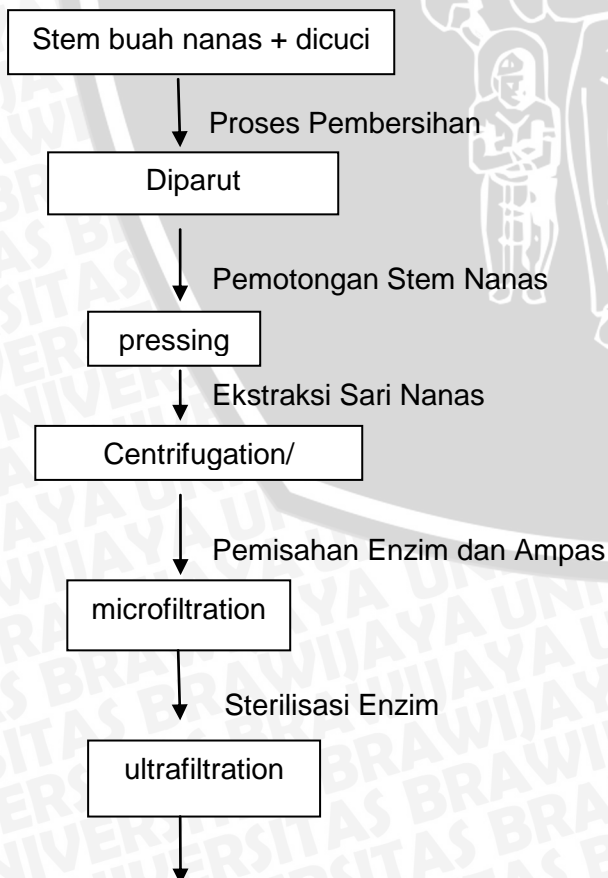
$\frac{1000}{1000} = 240 \text{ mg}$

untuk kandang V perlakuan carrageen+aspirin dosis 200mg/kgBB

- Konsentrasi larutan aspirin: 40mg/2cc x 6 ekor tikus = 12 cc

**Konsentrasi larutan aspirin adalah 240mg/12cc.**

### Lampiran 7: Pembuatan Serbuk Bonggol Nanas



Dikonsentrasi dengan Mengeliminasi Enzim

Spray-drying



Pengerinan

blending



Standardisasi-ekstrak Nanas (Bromelain)

Produk akhir

