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## LAMPIRAN

### Lampiran 1. Dokumentasi Kerja



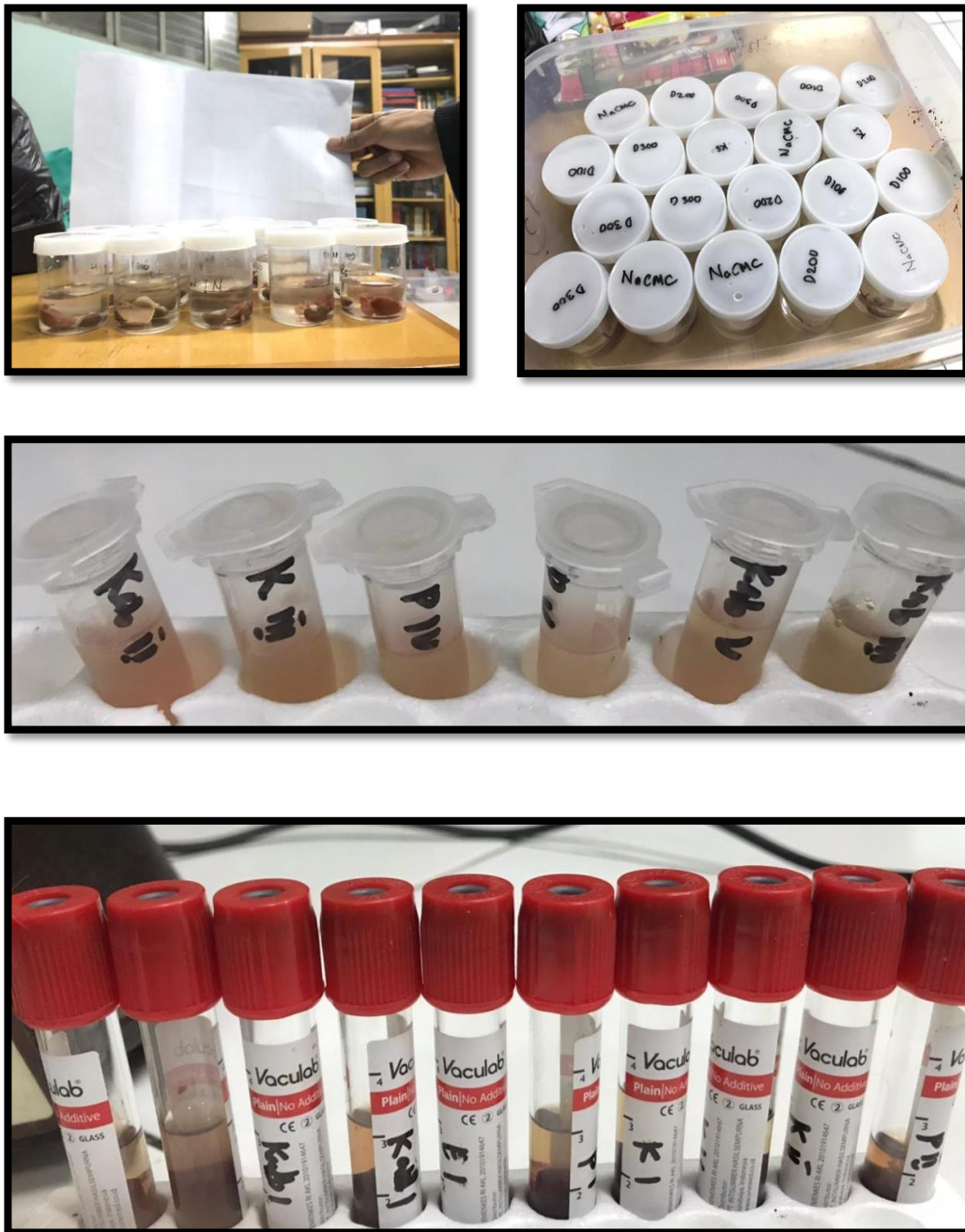
Gambar 11. Ekstrak etanol daun Sambung Nyawa



Gambar 13. Adaptasi Hewan Uji



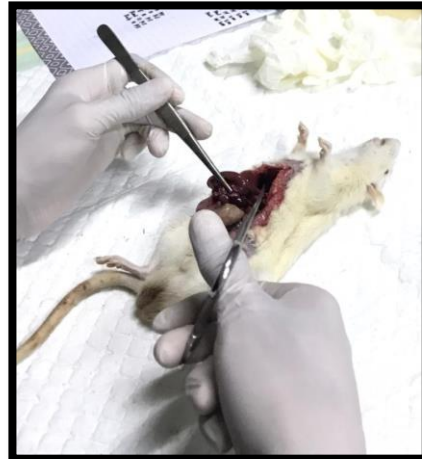
Gambar 12. Penimbangan tikus



Gambar 14. Preparat organ hati tikus



Gambar 15. Larutan NaCMC 1%



Gambar 16. Pembedahan organ hati



Gambar 17. Pengambilan darah

**Lampiran 2.** Hasil Pengujian Kadar SGOT dan SGPT

NO	Perlakuan	Hewan Uji Tikus	Kadar sebelum pemberian ekstrak(UI/L)		Kadar setelah pemberian ekstrak(UI/L)		Kadar setelah induksi PCT (UI/L)	
			SGPT	SGOT	SGPT	SGOT	SGPT	SGOT
<b>I</b>	Kontrol Positif pakan Standar	1	14, 79	61, 06	13, 22	70, 73	21, 8	35, 75
		2	21, 93	33, 3	20, 34	59, 35	28, 73	41, 39
		3	13, 92	55, 28	22, 48	34, 95	23, 58	80, 55
		4	15, 45	34, 67	18, 28	47, 94	28, 25	69, 39
		Rata-rata		16, 5225	46, 0775	18, 58	53, 2425	25, 59
<b>II</b>	Kontrol Negatif NaCMC 1%+PCT	1	13, 86	45, 4	10, 12	69, 52	47, 46	84, 27
		2	17, 47	23, 59	19, 21	88, 97	45, 64	94, 09
		3	14, 33	44, 27	21, 36	70, 29	34, 55	86, 75
		4	20, 21	35, 34	9, 582	68, 25	56, 44	79, 92
		Rata-rata		16, 4675	37, 15	15, 068	74, 2575	46, 0225
<b>III</b>	Ekstrak daun sambung nyawa 100mg/BB+PCT	1	11, 42	56, 94	28, 67	49, 45	42, 7	81, 43
		2	11, 45	38, 25	30, 14	41, 39	27, 75	81, 66
		3	11, 86	31, 29	30, 43	54, 52	21, 78	87, 73
		4	11, 85	63, 38	29, 07	75, 86	46, 67	88, 29
		Rata-rata		11, 645	47, 465	29, 5775	55, 305	34, 725
<b>IV</b>	Ekstrak daun sambung nyawa 200mg/BB+PCT	1	15, 39	35, 36	24, 72	65, 96	37, 5	42, 53
		2	13, 48	43, 79	27, 47	54, 74	36, 52	73, 28
		3	10, 56	24, 83	26	53, 38	28, 5	72, 55
		4	9, 502	27, 32	20, 87	93, 4	32, 81	67, 35
		Rata-rata		12, 233	32, 825	24, 765	66, 87	33, 8325
<b>V</b>	Ekstrak daun sambung nyawa 300mg/BB+PCT	1	19, 81	41, 4	28, 42	68, 36	25, 32	58, 3
		2	19, 03	53, 36	24, 14	95, 13	15, 25	46, 04
		3	20, 05	53, 29	18, 07	76, 07	16, 55	89, 92



	4	16, 11	36, 35	28, 05	66, 8	19, 8	51, 75
Rata-rata		18, 75	46, 1	24, 67	76, 59	19, 23	61, 5025

#### Lampiran 4. SPSS Kadar SGOT

### Analisis Statistik SGOT Sebelum diberi Ekstrak

#### Case Processing Summary

	Kelompok	Cases					
		Valid		Missing		Total	
		N	Percent	N	Percent	N	Percent
SGOPT Sebelum	Kontrol Sehat	4	100. 0%	0	0. 0%	4	100. 0%
Perlakuan	Kontrol NaCMC	4	100. 0%	0	0. 0%	4	100. 0%
	Ekstrak 100 mg/Kg/bb	4	100. 0%	0	0. 0%	4	100. 0%
	Ekstrak 200 mg/Kg/bb	4	100. 0%	0	0. 0%	4	100. 0%
	Ekstrak 300 mg/Kg/bb	4	100. 0%	0	0. 0%	4	100. 0%

#### Descriptives

SGOT	Kontrol Sehat	Mean	46. 0775	7. 08612	
Sebelum Perlakuan		95% Confidence Interval for	Lower Bound	23. 5263	
		Mean	Upper Bound	68. 6287	
		5% Trimmed Mean		45. 9550	
		Median		44. 9750	
		Variance		200. 852	
		Std. Deviation		14. 17224	
		Minimum		33. 30	
		Maximum		61. 06	
		Range		27. 76	
		Interquartile Range		25. 97	
		Skewness		. 134	1. 014
		Kurtosis		-5. 142	2. 619
		Kontrol	Mean	37. 1500	5. 04898
		NaCMC	95% Confidence Interval for	Lower Bound	21. 0819
Mean	Upper Bound		53. 2181		
5% Trimmed Mean			37. 4450		
Median			39. 8050		

	Variance		101.969	
	Std. Deviation		10.09796	
	Minimum		23.59	
	Maximum		45.40	
	Range		21.81	
	Interquartile Range		18.59	
	Skewness		-1.021	1.014
	Kurtosis		-.349	2.619
Ekstrak 100	Mean		47.4650	7.58073
mg/Kg/bb	95% Confidence Interval for	Lower Bound	23.3397	
	Mean	Upper Bound	71.5903	
	5% Trimmed Mean		47.4794	
	Median		47.5950	
	Variance		229.870	
	Std. Deviation		15.16146	
	Minimum		31.29	
	Maximum		63.38	
	Range		32.09	
	Interquartile Range		28.74	
	Skewness		-.025	1.014
	Kurtosis		-4.172	2.619
Ekstrak 200	Mean		32.8250	4.29032
mg/Kg/bb	95% Confidence Interval for	Lower Bound	19.1713	
	Mean	Upper Bound	46.4787	
	5% Trimmed Mean		32.6600	
	Median		31.3400	
	Variance		73.628	
	Std. Deviation		8.58065	
	Minimum		24.83	
	Maximum		43.79	
	Range		18.96	
	Interquartile Range		16.23	
	Skewness		.693	1.014
	Kurtosis		-1.509	2.619
Ekstrak 300	Mean		46.1000	4.29686
mg/Kg/bb		32.4255		
		59.7745		

	46.2383	
	47.3450	
	73.852	
	8.59372	
	36.35	
	53.36	
	17.01	
	15.73	
	-.290	1.014
	-4.348	2.619

### Tests of Normality

	Kelompok	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
SGOT Sebelum	Kontrol Sehat	.290	4	.	.841	4	.197
Perlakuan	Kontrol NaCMC	.260	4	.	.887	4	.370
	Ekstrak 100 mg/Kg/bb	.234	4	.	.918	4	.527
	Ekstrak 200 mg/Kg/bb	.239	4	.	.935	4	.622
	Ekstrak 300 mg/Kg/bb	.299	4	.	.843	4	.205

a. Lilliefors Significance Correction

Ket : Nilai Signifikan ( $p > 0.05$ ) artinya data terdistribusi normal

### Descriptives

SGOT Sebelum Perlakuan

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
Kontrol Sehat	4	46.0775	14.17224	7.08612	23.5263	68.6287	33.30	61.06
Kontrol NaCMC	4	37.1500	10.09796	5.04898	21.0819	53.2181	23.59	45.40
Ekstrak 100 mg/Kg/bb	4	47.4650	15.16146	7.58073	23.3397	71.5903	31.29	63.38
Ekstrak 200 mg/Kg/bb	4	32.8250	8.58065	4.29032	19.1713	46.4787	24.83	43.79
Ekstrak 300 mg/Kg/bb	4	46.1000	8.59372	4.29686	32.4255	59.7745	36.35	53.36
Total	20	41.9235	11.97457	2.67760	36.3192	47.5278	23.59	63.38

### Test of Homogeneity of Variances

		Levene	df1	df2	Sig.
		Statistic			
SGOT Sebelum	Based on Mean	2.674	4	15	.073
Perlakuan	Based on Median	2.119	4	15	.129
	Based on Median and with adjusted df	2.119	4	10.949	.147
	Based on trimmed mean	2.665	4	15	.073

Ket : Nilai Signifikan ( $p > 0.05$ ) artinya data homogen

### ANOVA

SGOT Sebelum Perlakuan

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	683.904	4	170.976	1.257	.330
Within Groups	2040.512	15	136.034		
Total	2724.416	19			

Ket : Nilai Signifikan ( $p > 0.05$ ) tidak berbeda nyata, artinya tidak ada perbedaan kadar SGOT yang signifikan/nyata pada tiap kelompok sebelum pemberian ekstrak/perlakuan

### Analisis Statistik SGOT Setelah diberi Ekstrak

#### Descriptives

Kelompok		Statistic	Std. Error	
SGOT Setelah Perlakuan	Kontrol Sehat	Mean	53.2425	
		95% Confidence Interval for Mean	Lower Bound	28.8349
			Upper Bound	77.6501
		5% Trimmed Mean	53.2872	
		Median	53.6450	
		Variance	235.282	
		Std. Deviation	15.33891	
		Minimum	34.95	
		Maximum	70.73	
		Range	35.78	
		Interquartile Range	29.69	
		Skewness	-.128	1.014
		Kurtosis	-.995	2.619
			Kontrol NaCMC	Mean

	95% Confidence Interval	Lower Bound	58. 5930	
	for Mean	Upper Bound	89. 9220	
	5% Trimmed Mean		73. 7739	
	Median		69. 9050	
	Variance		96. 911	
	Std. Deviation		9. 84433	
	Minimum		68. 25	
	Maximum		88. 97	
	Range		20. 72	
	Interquartile Range		15. 73	
	Skewness		1. 956	1. 014
	Kurtosis		3. 859	2. 619
Ekstrak 100 mg/Kg/bb	Mean		55. 3050	7. 36564
	95% Confidence Interval	Lower Bound	31. 8642	
	for Mean	Upper Bound	78. 7458	
	5% Trimmed Mean		54. 9361	
	Median		51. 9850	
	Variance		217. 011	
	Std. Deviation		14. 73129	
	Minimum		41. 39	
	Maximum		75. 86	
	Range		34. 47	
	Interquartile Range		27. 12	
	Skewness		1. 207	1. 014
	Kurtosis		1. 872	2. 619
Ekstrak 200 mg/Kg/bb	Mean		66. 8700	9. 28164
	95% Confidence Interval	Lower Bound	37. 3317	
	for Mean	Upper Bound	96. 4083	
	5% Trimmed Mean		66. 1456	
	Median		60. 3500	
	Variance		344. 595	
	Std. Deviation		18. 56328	
	Minimum		53. 38	
	Maximum		93. 40	
	Range		40. 02	
	Interquartile Range		32. 82	
	Skewness		1. 504	1. 014

	Kurtosis	1.944	2.619
Ekstrak 300 mg/Kg/bb	Mean	76.5900	6.50371
	95% Confidence Interval for Mean	Lower Bound	55.8923
		Upper Bound	97.2877
	5% Trimmed Mean	76.1039	
	Median	72.2150	
	Variance	169.193	
	Std. Deviation	13.00742	
	Minimum	66.80	
	Maximum	95.13	
	Range	28.33	
	Interquartile Range	23.17	
	Skewness	1.477	1.014
	Kurtosis	1.862	2.619

### Tests of Normality

	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
	Statistic	df	Sig.	Statistic	df	Sig.
SGOPT Setelah Perlakuan	.118	20	.200*	.968	20	.708

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

a. Lilliefors Significance Correction

### Tests of Normality

Kelompok	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk			
	Statistic	df	Sig.	Statistic	Df	Sig.	
SGOT Setelah Perlakuan	Kontrol Sehat	.155	4	.	.994	4	.977
	Kontrol NaCMC	.407	4	.	.710	4	.015
	EkstraK 100	.271	4	.	.925	4	.563
	Ekstrak 200	.270	4	.	.834	4	.180
	Ekstrak 300 mg/Kg/bb	.266	4	.	.848	4	.221

Ket : Nilai Signifikan ( $p > 0.05$ ) artinya data terdistribusi normal

### Descriptives

SGOT Setelah Perlakuan

N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean	Minimum	Maximum
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### Test of Homogeneity of Variances

		Levene Statistic	df1	df2	Sig.
SGOT Setelah Perlakuan	Based on Mean	.329	4	15	.854
	Based on Median	.330	4	15	.853
	Based on Median and with adjusted df	.330	4	12.583	.853
	Based on trimmed mean	.301	4	15	.873

					Lower Bound	Upper Bound		
Kontrol Sehat	4	53.2425	15.33891	7.66945	28.8349	77.6501	34.95	70.73
Kontrol NaCMC	4	74.2575	9.84433	4.92217	58.5930	89.9220	68.25	88.97
Ekstrak 100 mg/Kg/bb	4	55.3050	14.73129	7.36564	31.8642	78.7458	41.39	75.86
Ekstrak 200 mg/Kg/bb	4	66.8700	18.56328	9.28164	37.3317	96.4083	53.38	93.40
Ekstrak 300 mg/Kg/bb	4	76.5900	13.00742	6.50371	55.8923	97.2877	66.80	95.13
Total	20	65.2530	16.23954	3.63127	57.6527	72.8533	34.95	95.13

Ket : Nilai Signnifikan ( $p > 0.05$ ) artinya data homogen

### ANOVA

SGOT Setelah Perlakuan

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	1821.752	4	455.438	2.142	.126
Within Groups	3188.976	15	212.598		
Total	5010.729	19			

Ket : Nilai Signnifikan ( $p > 0.05$ ) tidak berbeda nyata, artinya tidak ada perbedaan kadar SGOT yang signifikan/nyata pada tiap kelompok setelah pemberian ekstrak/perlakuan

## Analisis Statistik SGOT Setelah induksi PCT

### Case Processing Summary

Kelompok

Cases

		Valid		Missing		Total	
		N	%	N	Percent	N	Percent
SGOT Steah	Sehat	4	100.0%	0	0.0%	4	100.0%
Induksi	Kontrol NaCMC	4	100.0%	0	0.0%	4	100.0%
	Ekstrak 100 mg/Kg/bb	4	100.0%	0	0.0%	4	100.0%
	Ekstrak 200 mg/Kg/bb	4	100.0%	0	0.0%	4	100.0%
	Ekstrak 300 mg/Kg/bb	4	100.0%	0	0.0%	4	100.0%

### Descriptives

Kelompok		Statistic	Std. Error		
SGOT Steah Induksi	Kontrol Sehat	Mean	56.7700	10.81333	
		95% Confidence Interval for Mean	Lower Bound	22.3572	
			Upper Bound	91.1828	
		5% Trimmed Mean		56.6167	
		Median		55.3900	
		Variance		467.713	
		Std. Deviation		21.62666	
		Minimum		35.75	
		Maximum		80.55	
		Range		44.80	
		Interquartile Range		40.60	
		Skewness		.167	1.014
		Kurtosis		-4.413	2.619
		Kontrol NaCMC	Kontrol NaCMC	Mean	86.2575
95% Confidence Interval for Mean	Lower Bound			76.8122	
	Upper Bound			95.7028	
5% Trimmed Mean				86.1744	
Median				85.5100	
Variance				35.235	
Std. Deviation				5.93590	
Minimum				79.92	
Maximum				94.09	
Range				14.17	
Interquartile Range				11.25	
Skewness				.696	1.014
Kurtosis				.978	2.619
Ekstrak 100 mg/Kg/bb	Ekstrak 100 mg/Kg/bb			Mean	84.7775
		95% Confidence Interval for Mean	Lower Bound	78.8251	



	Mean	Upper Bound	90.7299	
	5% Trimmed Mean		84.7683	
	Median		84.6950	
	Variance		13.993	
	Std. Deviation		3.74074	
	Minimum		81.43	
	Maximum		88.29	
	Range		6.86	
	Interquartile Range		6.66	
	Skewness		.016	1.014
	Kurtosis		-5.870	2.619
Ekstrak 200 mg/Kg/bb	Mean		63.9275	7.25364
	95% Confidence Interval for Mean	Lower Bound	40.8432	
		Upper Bound	87.0118	
	5% Trimmed Mean		64.5967	
	Median		69.9500	
	Variance		210.461	
	Std. Deviation		14.50728	
	Minimum		42.53	
	Maximum		73.28	
	Range		30.75	
	Interquartile Range		24.36	
	Skewness		-1.812	1.014
	Kurtosis		3.278	2.619
Ekstrak 300 mg/Kg/bb	Mean		61.5025	9.79800
	95% Confidence Interval for Mean	Lower Bound	30.3209	
		Upper Bound	92.6841	
	5% Trimmed Mean		60.7828	
	Median		55.0250	
	Variance		384.003	
	Std. Deviation		19.59601	
	Minimum		46.04	
	Maximum		89.92	
	Range		43.88	
	Interquartile Range		34.55	
	Skewness		1.621	1.014
	Kurtosis		2.741	2.619

### Tests of Normality

	Kelompok	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
SGOT Steah Induksi	Kontrol Sehat	.262	4	.	.895	4	.409
	Kontrol NaCMC	.217	4	.	.975	4	.871
	Ekstrak 100	.298	4	.	.781	4	.072
	Ekstrak 200	.343	4	.	.766	4	.054
	Ekstrak 300	.315	4	.	.848	4	.218

Ket : Nilai Signnifikan ( $p > 0.05$ ) artinya data normal

### Descriptives

SGOT Steah Induksi

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
Kontrol Sehat	4	56.7700	21.62666	10.81333	22.3572	91.1828	35.75	80.55
Kontrol NaCMC	4	86.2575	5.93590	2.96795	76.8122	95.7028	79.92	94.09
Ekstrak 100 mg/Kg/bb	4	84.7775	3.74074	1.87037	78.8251	90.7299	81.43	88.29
Ekstrak 200 mg/Kg/bb	4	63.9275	14.50728	7.25364	40.8432	87.0118	42.53	73.28
Ekstrak 300 mg/Kg/bb	4	61.5025	19.59601	9.79800	30.3209	92.6841	46.04	89.92
Total	20	70.6470	18.34326	4.10168	62.0621	79.2319	35.75	94.09

### Test of Homogeneity of Variances

		Levene Statistic	df1	df2	Sig.
SGOT Steah Induksi	Based on Mean	3.918	4	15	.023
	Based on Median	1.823	4	15	.177
	Based on Median and with adjusted df	1.823	4	7.003	.229
	Based on trimmed mean	3.446	4	15	.035

Ket : Nilai Signifikan ( $p < 0.05$ ) artinya data tidak homogen

## ANOVA

SGOT Steah Induksi

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	3058. 814	4	764. 703	3. 440	. 035
Within Groups	3334. 216	15	222. 281		
Total	6393. 029	19			

## Multiple Comparisons

Dependent Variable: SGOT Stelah Induksi

Games-Howell

(I) Kelompok	(J) Kelompok	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval	
					Lower Bound	Upper Bound
Kontrol Sehat	Kontrol NaCMC	-29. 48750	11. 21324	. 245	-83. 6919	24. 7169
	Ekstrak 100 mg/Kg/bb	-28. 00750	10. 97390	. 273	-83. 9118	27. 8968
	Ekstrak 200 mg/Kg/bb	-7. 15750	13. 02088	. 977	-58. 4108	44. 0958
	Ekstrak 300 mg/Kg/bb	-4. 73250	14. 59209	. 997	-59. 6455	50. 1805
Kontrol NaCMC	Kontrol Sehat	29. 48750	11. 21324	. 245	-24. 7169	83. 6919
	Ekstrak 100 mg/Kg/bb	1. 48000	3. 50814	. 991	-12. 5273	15. 4873
	Ekstrak 200 mg/Kg/bb	22. 33000	7. 83735	. 186	-12. 6161	57. 2761
	Ekstrak 300 mg/Kg/bb	24. 75500	10. 23766	. 289	-23. 9148	73. 4248
Ekstrak 100 mg/Kg/bb	Kontrol Sehat	28. 00750	10. 97390	. 273	-27. 8968	83. 9118
	Kontrol NaCMC	-1. 48000	3. 50814	. 991	-15. 4873	12. 5273
	Ekstrak 200 mg/Kg/bb	20. 85000	7. 49090	. 218	-15. 7049	57. 4049
	Ekstrak 300 mg/Kg/bb	23. 27500	9. 97493	. 323	-27. 1275	73. 6775
Ekstrak 200 mg/Kg/bb	Kontrol Sehat	7. 15750	13. 02088	. 977	-44. 0958	58. 4108
	Kontrol NaCMC	-22. 33000	7. 83735	. 186	-57. 2761	12. 6161
	Ekstrak 100 mg/Kg/bb	-20. 85000	7. 49090	. 218	-57. 4049	15. 7049
	Ekstrak 300 mg/Kg/bb	2. 42500	12. 19082	1. 000	-44. 6244	49. 4744
Ekstrak 300 mg/Kg/bb	Kontrol Sehat	4. 73250	14. 59209	. 997	-50. 1805	59. 6455
	Kontrol NaCMC	-24. 75500	10. 23766	. 289	-73. 4248	23. 9148
	Ekstrak 100 mg/Kg/bb	-23. 27500	9. 97493	. 323	-73. 6775	27. 1275
	Ekstrak 200 mg/Kg/bb	-2. 42500	12. 19082	1. 000	-49. 4744	44. 6244

Ket : Dari Uji post-hoc Games-Howell, tidak ada perbedaan yang signifikan/nyata dari tiap kelompok.

### Lampiran 5. SPSS Kadar SGPT

		<b>Descriptives</b>				
	Kelompok		Statistic	Std. Error		
SGPT Sebelum Perlakuan	Kelompok Sehat	Mean	16.5225	1.82952		
		95% Confidence Interval for Mean	Lower Bound	10.7001		
		Upper Bound	22.3449			
		5% Trimmed Mean		16.3667		
		Median		15.1200		
		Variance		13.389		
		Std. Deviation		3.65905		
		Minimum		13.92		
		Maximum		21.93		
		Range		8.01		
		Interquartile Range		6.17		
		Skewness		1.824	1.014	
		Kurtosis		3.445	2.619	
		Kelompok Na. CMC	Kelompok Na. CMC	Mean	16.4675	1.48266
				95% Confidence Interval for Mean	Lower Bound	11.7490
Upper Bound	21.1860					
5% Trimmed Mean				16.4044		
Median				15.9000		
Variance				8.793		
Std. Deviation				2.96531		
Minimum				13.86		
Maximum				20.21		
Range				6.35		
Interquartile Range				5.55		
Skewness				.663	1.014	
Kurtosis				-2.106	2.619	
Ekstrak 100 mg/Kg/bb	Ekstrak 100 mg/Kg/bb			Mean	11.6450	.12142
				95% Confidence Interval for Mean	Lower Bound	11.2586
		Upper Bound	12.0314			

	5% Trimmed Mean		11. 6456	
	Median		11. 6500	
	Variance		. 059	
	Std. Deviation		. 24283	
	Minimum		11. 42	
	Maximum		11. 86	
	Range		. 44	
	Interquartile Range		. 43	
	Skewness		-. 012	1. 014
	Kurtosis		-5. 915	2. 619
Ekstrak 200 mg/Kg/bb	Mean		12. 2330	1. 34719
	95% Confidence	Lower Bound	7. 9457	
	Interval for Mean	Upper Bound	16. 5203	
	5% Trimmed Mean		12. 2093	
	Median		12. 0200	
	Variance		7. 260	
	Std. Deviation		2. 69437	
	Minimum		9. 50	
	Maximum		15. 39	
	Range		5. 89	
	Interquartile Range		5. 15	
	Skewness		. 285	1. 014
	Kurtosis		-3. 051	2. 619
Ekstrak 300 mg/Kg/bb	Mean		18. 7500	. 90653
	95% Confidence	Lower Bound	15. 8650	
	Interval for Mean	Upper Bound	21. 6350	
	5% Trimmed Mean		18. 8244	
	Median		19. 4200	
	Variance		3. 287	
	Std. Deviation		1. 81306	
	Minimum		16. 11	
	Maximum		20. 05	
	Range		3. 94	
	Interquartile Range		3. 15	
	Skewness		-1. 677	1. 014
	Kurtosis		2. 757	2. 619

**KADAR SGPT SEBELUM PEMBERIAN EKSTRAK**

Ket : Nilai Signnifikan ( $p > 0.05$ ) artinya data terdistribusi normal

### Descriptives

SGPT Sebelum Perlakuan

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
Kelompok Sehat	4	16.5225	3.65905	1.82952	10.7001	22.3449	13.92	21.93
Kelompok Na. CMC	4	16.4675	2.96531	1.48266	11.7490	21.1860	13.86	20.21
Ekstrak 100 mg/Kg/bb	4	11.6450	.24283	.12142	11.2586	12.0314	11.42	11.86
Ekstrak 200 mg/Kg/bb	4	12.2330	2.69437	1.34719	7.9457	16.5203	9.50	15.39
Ekstrak 300 mg/Kg/bb	4	18.7500	1.81306	.90653	15.8650	21.6350	16.11	20.05
Total	20	15.1236	3.61170	.80760	13.4333	16.8139	9.50	21.93

### Test of Homogeneity of Variances

		Levene Statistic	df1	df2	Sig.
SGPT Sebelum Perlakuan	Based on Mean	3.033	4	15	.051
	Based on Median	1.180	4	15	.359
	Based on Median and with adjusted df	1.180	4	6.008	.407
	Based on trimmed mean	2.662	4	15	.074

Ket : Nilai Signnifikan ( $p > 0.05$ ) artinya data homogen

### ANOVA

SGPT Sebelum Perlakuan

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	149.480	4	37.370	5.699	.005
Within Groups	98.363	15	6.558		
Total	247.843	19			

Ket : Nilai Signnifikan ( $p < 0.05$ ) berbeda nyata, artinya ada perbedaan kadar SGPT yang signifikan/nyata pada tiap kelompok sebelum pemberian ekstrak

### Multiple Comparisons

Dependent Variable: SGPT Sebelum Perlakuan

	(I) Kelompok	(J) Kelompok	Mean	Std.	Sig.	95% Confidence Interval	
			Difference (I-J)			Error	Lower Bound
Tukey HSD	Kelompok Sehat	Kelompok Na. CMC	.05500	1.81073	1.000	-5.5364	5.6464
		Ekstrak 100 mg/Kg/bb	4.87750	1.81073	.102	-.7139	10.4689
		Ekstrak 200 mg/Kg/bb	4.28950	1.81073	.178	-1.3019	9.8809
		Ekstrak 300 mg/Kg/bb	-2.22750	1.81073	.735	-7.8189	3.3639
	Kelompok Na. CMC	Kelompok Sehat	-.05500	1.81073	1.000	-5.6464	5.5364
		Ekstrak 100 mg/Kg/bb	4.82250	1.81073	.108	-.7689	10.4139
		Ekstrak 200 mg/Kg/bb	4.23450	1.81073	.186	-1.3569	9.8259
		Ekstrak 300 mg/Kg/bb	-2.28250	1.81073	.718	-7.8739	3.3089
	Ekstrak 100 mg/Kg/bb	Kelompok Sehat	-4.87750	1.81073	.102	-10.4689	.7139
		Kelompok Na. CMC	-4.82250	1.81073	.108	-10.4139	.7689
		Ekstrak 200 mg/Kg/bb	-.58800	1.81073	.997	-6.1794	5.0034
		Ekstrak 300 mg/Kg/bb	-7.10500 <sup>*</sup>	1.81073	.010	-12.6964	-1.5136
	Ekstrak 200 mg/Kg/bb	Kelompok Sehat	-4.28950	1.81073	.178	-9.8809	1.3019
		Kelompok Na. CMC	-4.23450	1.81073	.186	-9.8259	1.3569
		Ekstrak 100 mg/Kg/bb	.58800	1.81073	.997	-5.0034	6.1794
		Ekstrak 300 mg/Kg/bb	-6.51700 <sup>*</sup>	1.81073	.019	-12.1084	-.9256
	Ekstrak 300 mg/Kg/bb	Kelompok Sehat	2.22750	1.81073	.735	-3.3639	7.8189
		Kelompok Na. CMC	2.28250	1.81073	.718	-3.3089	7.8739
		Ekstrak 100 mg/Kg/bb	7.10500 <sup>*</sup>	1.81073	.010	1.5136	12.6964
		Ekstrak 200 mg/Kg/bb	6.51700 <sup>*</sup>	1.81073	.019	.9256	12.1084

\*. The mean difference is significant at the 0.05 level.

Ket : Ada perbedaan signifikan/nyata antara kelompok ekstrak 100 mg/kg bbdan Ekstrak 300 mg/kgbbdan kelompok ekstrak 200 mg/kgbbdan Ekstrak 300 mg/kg bb. Namun Tidak Ada Perbedaan yang signifikan/nyata terhadap kelompok sehat.

### KADAR SGPT SETELAH PEMBERIAN EKSTRAK

#### Case Processing Summary

	Kelompok	Valid		Missing		Total	
		N	Percent	N	Percent	N	Percent
SGPT Setelah	Kelompok Sehat	4	100.0%	0	0.0%	4	100.0%
Perlakuan	Kelompok Na. CMC	4	100.0%	0	0.0%	4	100.0%
	Ekstrak 100 mg/Kg/bb	4	100.0%	0	0.0%	4	100.0%
	Ekstrak 200 mg/Kg/bb	4	100.0%	0	0.0%	4	100.0%
	Ekstrak 300 mg/Kg/bb	4	100.0%	0	0.0%	4	100.0%

#### Descriptives

	Kelompok	Statistic	Std. Error	
SGPT Setelah	Kelompok	Mean	18.5800	
Perlakuan	Sehat	95% Confidence Interval	1.98173	
		for Mean		
		Lower Bound	12.2732	
		Upper Bound	24.8868	
		5% Trimmed Mean	18.6611	
		Median	19.3100	
		Variance	15.709	
		Std. Deviation	3.96347	
		Minimum	13.22	
		Maximum	22.48	
		Range	9.26	
		Interquartile Range	7.46	
		Skewness	-.956	1.014
		Kurtosis	.904	2.619
			Kelompok Na. CMC	Mean
		95% Confidence Interval	3.04582	
		for Mean		
		Lower Bound	5.3748	
		Upper Bound	24.7612	
		5% Trimmed Mean	15.0232	
		Median	14.6650	
		Variance	37.108	
		Std. Deviation	6.09164	



	Minimum		9.58		
	Maximum		21.36		
	Range		11.78		
	Interquartile Range		11.11		
	Skewness		.100	1.014	
	Kurtosis		-5.350	2.619	
Ekstrak 100 mg/Kg/bb	Mean		29.5775	.42074	
	95% Confidence Interval for Mean	Lower Bound	28.2385		
		Upper Bound	30.9165		
	5% Trimmed Mean		29.5806		
	Median		29.6050		
	Variance		.708		
	Std. Deviation		.84148		
	Minimum		28.67		
	Maximum		30.43		
	Range		1.76		
	Interquartile Range		1.59		
	Skewness		-.090	1.014	
	Kurtosis		-4.373	2.619	
	Ekstrak 200 mg/Kg/bb	Mean		24.7650	1.41466
		95% Confidence Interval for Mean	Lower Bound	20.2629	
Upper Bound			29.2671		
5% Trimmed Mean			24.8311		
Median			25.3600		
Variance			8.005		
Std. Deviation			2.82933		
Minimum			20.87		
Maximum			27.47		
Range			6.60		
Interquartile Range			5.27		
Skewness			-1.101	1.014	
Kurtosis			1.378	2.619	
Ekstrak 300 mg/Kg/bb		Mean		24.6700	2.40360
		95% Confidence Interval for Mean	Lower Bound	17.0207	
	Upper Bound		32.3193		
	5% Trimmed Mean		24.8283		
	Median		26.0950		

Variance	23.109	
Std. Deviation	4.80721	
Minimum	18.07	
Maximum	28.42	
Range	10.35	
Interquartile Range	8.74	
Skewness	-1.178	1.014
Kurtosis	.393	2.619

### Tests of Normality

	Kelompok	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
SGPT Setelah Perlakuan	Kelompok Sehat	.220	4	.	.954	4	.744
	Kelompok Na. CMC	.292	4	.	.829	4	.165
	Ekstrak 100 mg/Kg/bb	.248	4	.	.906	4	.463
	Ekstrak 200 mg/Kg/bb	.244	4	.	.939	4	.649
	Ekstrak 300 mg/Kg/bb	.259	4	.	.869	4	.295

a. Lilliefors Significance Correction

Ket : Nilai Signifikan ( $p > 0.05$ ) artinya data terdistribusi normal

### Descriptives

SGPT Setelah Perlakuan

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
Kelompok Sehat	4	18.5800	3.96347	1.98173	12.2732	24.8868	13.22	22.48
Kelompok Na. CMC	4	15.0680	6.09164	3.04582	5.3748	24.7612	9.58	21.36
Ekstrak 100 mg/Kg/bb	4	29.5775	.84148	.42074	28.2385	30.9165	28.67	30.43
Ekstrak 200 mg/Kg/bb	4	24.7650	2.82933	1.41466	20.2629	29.2671	20.87	27.47
Ekstrak 300 mg/Kg/bb	4	24.6700	4.80721	2.40360	17.0207	32.3193	18.07	28.42
Total	20	22.5321	6.39088	1.42904	19.5411	25.5231	9.58	30.43

### Test of Homogeneity of Variances

		Levene Statistic	df1	df2	Sig.
SGPT Setelah Perlakuan	Based on Mean	3.856	4	15	.024
	Based on Median	3.022	4	15	.052
	Based on Median and with adjusted df	3.022	4	8.752	.079
	Based on trimmed mean	3.843	4	15	.024

Ket : Nilai Signifikan ( $p < 0.05$ ) artinya data tidak homogen

### ANOVA

SGPT Setelah Perlakuan

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	522.104	4	130.526	7.711	.001
Within Groups	253.919	15	16.928		
Total	776.023	19			

Ket : Nilai Signifikan ( $p < 0.05$ ) berbeda nyata, artinya ada perbedaan kadar SGPT yang signifikan/nyata pada tiap kelompok setelah pemberian ekstrak/perlakuan

Ket : Dari post-hoc Games-Howell, Ada perbedaan signifikan/nyata antara kelompok sehat dengan ekstrak 100 mg/Kg/bb. Artinya ada peningkatan kadar SGPT yang nyata setelah pemberian ekstrak 100 mg/Kg/bb.

### KADAR SGPT SETELAH DIINDUKSI PCT

#### Case Processing Summary

	Kelompok	Cases					
		Valid		Missing		Total	
		N	Percent	N	Percent	N	Percent
SGPT Setelah Induksi PCT	Kelompok Sehat	4	100.0%	0	0.0%	4	100.0%
	Kelompok Na. CMC	4	100.0%	0	0.0%	4	100.0%
	Ekstrak 100 mg/Kg/bb	4	100.0%	0	0.0%	4	100.0%

Ekstrak 200 mg/Kg/bb	4	100.0%	0	0.0%	4	100.0%
Ekstrak 300 mg/Kg/bb	4	100.0%	0	0.0%	4	100.0%

### Descriptives

			Statistic	Std. Error	
SGPT Setelah Induksi PCT	Kelompok Sehat	Mean	25.5900	1.71609	
		95% Confidence Interval for			
		Mean	Lower Bound	20.1286	
			Upper Bound	31.0514	
		5% Trimmed Mean		25.6261	
		Median		25.9150	
		Variance		11.780	
		Std. Deviation		3.43217	
		Minimum		21.80	
		Maximum		28.73	
		Range		6.93	
		Interquartile Range		6.36	
		Skewness		-.211	1.014
		Kurtosis		-4.614	2.619
		Kelompok Na. CMC		Mean	46.0225
95% Confidence Interval for					
Mean	Lower Bound			31.7205	
	Upper Bound			60.3245	
5% Trimmed Mean				46.0811	
Median				46.5500	
Variance				80.785	
Std. Deviation				8.98805	
Minimum				34.55	
Maximum				56.44	
Range				21.89	
Interquartile Range				16.87	
Skewness				-.346	1.014
Kurtosis				1.366	2.619
Ekstrak 100 mg/Kg/bb				Mean	34.7250
		95% Confidence Interval for			
		Mean	Lower Bound	15.8413	
			Upper Bound	53.6087	
		5% Trimmed Mean	34.7806		

	Median		35. 2250	
	Variance		140. 836	
	Std. Deviation		11. 86742	
	Minimum		21. 78	
	Maximum		46. 67	
	Range		24. 89	
	Interquartile Range		22. 41	
	Skewness		-. 118	1. 014
	Kurtosis		-4. 282	2. 619
Ekstrak 200 mg/Kg/bb	Mean		33. 8325	2. 04439
	95% Confidence Interval for Mean	Lower Bound	27. 3263	
		Upper Bound	40. 3387	
	5% Trimmed Mean		33. 9250	
	Median		34. 6650	
	Variance		16. 718	
	Std. Deviation		4. 08878	
	Minimum		28. 50	
	Maximum		37. 50	
	Range		9. 00	
	Interquartile Range		7. 68	
	Skewness		-. 819	1. 014
	Kurtosis		-1. 064	2. 619
Ekstrak 300 mg/Kg/bb	Mean		19. 2300	2. 24417
	95% Confidence Interval for Mean	Lower Bound	12. 0880	
		Upper Bound	26. 3720	
	5% Trimmed Mean		19. 1128	
	Median		18. 1750	
	Variance		20. 145	
	Std. Deviation		4. 48835	
	Minimum		15. 25	
	Maximum		25. 32	
	Range		10. 07	
	Interquartile Range		8. 37	
	Skewness		1. 060	1. 014
	Kurtosis		. 284	2. 619

### Test of Homogeneity of Variances

#### Tests of Normality

	Kelompok	Kolmogorov-Smirnov <sup>a</sup>			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
SGPT Setelah Induksi PCT	Kelompok Sehat	.281	4	.	.868	4	.291
	Kelompok Na. CMC	.233	4	.	.972	4	.853
	Ekstrak 100 mg/Kg/bb	.249	4	.	.909	4	.475
	Ekstrak 200 mg/Kg/bb	.245	4	.	.923	4	.552
	Ekstrak 300 mg/Kg/bb	.225	4	.	.921	4	.544

a. Lilliefors Significance Correction

Ket : Nilai Signnifikan ( $p > 0.05$ ) artinya data terdistribusi normal

#### Descriptives

SGPT Setelah Induksi PCT

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
Kelompok Sehat	4	25.5900	3.43217	1.71609	20.1286	31.0514	21.80	28.73
Kelompok Na. CMC	4	46.0225	8.98805	4.49403	31.7205	60.3245	34.55	56.44
Ekstrak 100 mg/Kg/bb	4	34.7250	11.86742	5.93371	15.8413	53.6087	21.78	46.67
Ekstrak 200 mg/Kg/bb	4	33.8325	4.08878	2.04439	27.3263	40.3387	28.50	37.50
Ekstrak 300 mg/Kg/bb	4	19.2300	4.48835	2.24417	12.0880	26.3720	15.25	25.32
Total	20	31.8800	11.37126	2.54269	26.5581	37.2019	15.25	56.44

		Levene Statistic	df1	df2	Sig.
SGPT Setelah Induksi PCT	Based on Mean	3.479	4	15	.034
	Based on Median	3.273	4	15	.041
	Based on Median and with adjusted df	3.273	4	6.854	.084
	Based on trimmed mean	3.476	4	15	.034

Ket : Nilai Signifikan ( $p > 0.05$ ) artinya data Homogen

### ANOVA

SGPT Setelah Induksi PCT

	Sum of Squares	Df	Mean Square	F	Sig.
Between Groups	1646.013	4	411.503	7.613	.001
Within Groups	810.792	15	54.053		
Total	2456.805	19			

Ket : Nilai Signifikan ( $p < 0.05$ ) berbeda nyata, yang artinya ada perbedaan kadar SGPT yang signifikan/nyata pada tiap kelompok setelah pemberian ekstrak/perlakuan

### Multiple Comparisons

Dependent Variable: SGPT Setelah Induksi PCT

	(i) grup	(j) Kelompok	Mean difference (I-J)	Std. E	sign.	95% Confidence Interval	
						low Bound	Upper Bound
Tukey HSD	Kelompok Sehat	Kelompok Na. CMC	-20.43250*	5.19869	.010	-36.4857	-4.3793
		Ekstrak 100 mg/Kg/bb	-9.13500	5.19869	.432	-25.1882	6.9182
		Ekstrak 200 mg/Kg/bb	-8.24250	5.19869	.528	-24.2957	7.8107
		Ekstrak 300 mg/Kg/bb	6.36000	5.19869	.739	-9.6932	22.4132
	Kelompok Na. CMC	Kelompok Sehat	20.43250*	5.19869	.010	4.3793	36.4857
		Ekstrak 100 mg/Kg/bb	11.29750	5.19869	.242	-4.7557	27.3507
		Ekstrak 200 mg/Kg/bb	12.19000	5.19869	.185	-3.8632	28.2432
		Ekstrak 300 mg/Kg/bb	26.79250*	5.19869	.001	10.7393	42.8457
	Ekstrak 100 mg/Kg/bb	Kelompok Sehat	9.13500	5.19869	.432	-6.9182	25.1882
		Kelompok Na. CMC	-11.29750	5.19869	.242	-27.3507	4.7557
		Ekstrak 200 mg/Kg/bb	.89250	5.19869	1.000	-15.1607	16.9457
		300 mg/kg bb	15.49500	5.19869	.061	-.5582	31.5482

Ekstrak 200 mg/Kg/bb	Kelompok Sehat	8. 24250	5. 19869	. 528	-7. 8107	24. 2957
	Kelompok Na. CMC	-12. 19000	5. 19869	. 185	-28. 2432	3. 8632
	Ekstrak 100 mg/kg bb	-. 89250	5. 19869	1. 000	-16. 9457	15. 1607
	300 mg/kg bb	14. 60250	5. 19869	. 083	-1. 4507	30. 6557
Ekstrak 300 mg/Kg/bb	Kelompok Sehat	-6. 36000	5. 19869	. 739	-22. 4132	9. 6932
	Kelompok Na. CMC	-26. 79250*	5. 19869	. 001	-42. 8457	-10. 7393
	Ekstrak 100 mg/Kg/bb	-15. 49500	5. 19869	. 061	-31. 5482	. 5582
	Ekstrak 200 mg/Kg/bb	-14. 60250	5. 19869	. 083	-30. 6557	1. 4507

\*. The mean difference is significant at the 0. 05 level.

Ket : Ada perbedaan signifikan/nyata antara kelompok sehat dengan kelompok Na. CMC dan kelompok Na. CMC pada ekstrak 300 mg/kg bb. Artinya pemberian PCT untuk hewan yang hanya diberi Nacmc (plasebo) menyebabkan peningkatan kadar SGPT yang signifikan. hal ini dapat menandakan terjadi kerusakan sel hati dengan pemberian PCT dosis toksik (2 g/kg). Namun dengan pemberian ekstrak 300 mg/kg sebelum induksi PCT, mampu menurunkan secara signifikan kadar SGPT tikus walaupun diinduksi parasetamol.