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Lampiran

Anova: Single Factor Hari Ke 8 mRNA HMGB1



KEMENTERIAN PENDIDIKAN, KEBUDAYAAN, RISET DAN TEKNOLOGI
UNIVERSITAS HASANUDDIN FAKULTAS KEDOKTERAN
KOMITE ETIK PENELITIAN KESEHATAN
RSPTN UNIVERSITAS HASANUDDIN
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REKOMENDASI PERSETUJUAN ETIK

Nomor : 525/UN4.6.4.5.31/ PP36/ 2021

Tanggal: 23 Agustus 2021

Dengan ini Menyatakan bahwa Protokol dan Dokumen yang Berhubungan Dengan Protokol berikut ini telah mendapatkan Persetujuan Etik :

No Protokol	UH21070470	No Sponsor Protokol	
Peneliti Utama	dr. Risky Akaputra, SpP	Sponsor	
Judul Peneliti	Efek Pemberian Ekstrak Daun Miana (Coleus scutellarioides (L) Benth) Terhadap Pertumbuhan Klebsiela Pneumonia dan Hubungannya dengan Ekspresi mRNA Gen High Mobility Group Box 1 (HMGB1) dan Solubel Protein HMGB1 pada Mencit Balb/c		
No Versi Protokol	1	Tanggal Versi	22 Juli 2021
No Versi PSP		Tanggal Versi	
Tempat Penelitian	Laboratorium Biologi Molekuler Fakultas Kedokteran Universitas Hasanuddin Makassar		
Jenis Review	<input type="checkbox"/> Exempted <input checked="" type="checkbox"/> Expedited <input type="checkbox"/> Fullboard Tanggal	Masa Berlaku 23 Agustus 2021 sampai 23 Agustus 2022	Frekuensi review lanjutan
Ketua KEPK FKUH RSUH dan RSWS	Nama Prof.Dr.dr. Suryani As'ad, M.Sc.,Sp.GK (K)	Tanda tangan 	
Sekretaris KEPK FKUH RSUH dan RSWS	Nama dr. Agussalim Bukhari, M.Med.,Ph.D.,Sp.GK (K)	Tanda tangan 	

Kewajiban Peneliti Utama:

- Menyerahkan Amandemen Protokol untuk persetujuan sebelum di implementasikan
- Menyerahkan Laporan SAE ke Komisi Etik dalam 24 Jam dan dilengkapi dalam 7 hari dan Laporan SUSAR dalam 72 Jam setelah Peneliti Utama menerima laporan
- Menyerahkan Laporan Kemajuan (progress report) setiap 6 bulan untuk penelitian resiko tinggi dan setiap setahun untuk penelitian resiko rendah
- Menyerahkan laporan akhir setelah Penelitian berakhir
- Melaporkan penyimpangan dari protokol yang disetujui (protocol deviation / violation)
- Mematuhi semua peraturan yang ditentukan

SUMMARY

<i>Groups</i>	<i>Count</i>	<i>Sum</i>	<i>Average</i>	<i>Variance</i>
Column 1	5	27,617662	5,5235324	0,39772405
Column 2	5	27,777353	5,5554706	0,28124609
Column 3	5	27,571759	5,5143518	0,41229879
Column 4	5	27,189597	5,4379194	0,44591973

ANOVA

<i>Source of Variation</i>	<i>SS</i>	<i>df</i>	<i>MS</i>	<i>F</i>	<i>P-value</i>	<i>F crit</i>
Between Groups	0,03723109	3	0,01241036	0,03229366	0,99189382	3,23887152
Within Groups	6,14875461	16	0,38429716			
Total	6,18598569	19				

Anova: Single Factor Hari ke 9 mRNA HMGB1

SUMMARY

<i>Groups</i>	<i>Count</i>	<i>Sum</i>	<i>Average</i>	<i>Variance</i>
Column 1	5	48,044965	9,608993	0,40742655
Column 2	5	47,600591	9,5201182	0,34347965
Column 3	5	48,234298	9,6468596	0,49105356
Column 4	5	48,982004	9,7964008	0,21125397
Column 5	5	58,60603	11,721206	0,08736594
Column 6	5	56,98404	11,396808	0,61841943
Column 7	5	58,31117	11,662234	0,40480368
Column 8	5	58,49066	11,698132	0,33069587

ANOVA

<i>Source of Variation</i>	<i>SS</i>	<i>df</i>	<i>MS</i>	<i>F</i>	<i>P-value</i>	<i>F crit</i>
Between Groups	39,6043459	7	5,6577636 9	15,637288 2	1,0307E-08	2,3127411 9
Within Groups	11,5779946	32	0,3618123 3			
Total	51,1823405	39				

Anova: Single Factor Hari Ke 12 mRNA HMGB1

SUMMARY

<i>Groups</i>	<i>Count</i>	<i>Sum</i>	<i>Average</i>	<i>Variance</i>
Column 1	5	74,99006	14,998012	0,1440617 5
Column 2	5	69,75651	13,951302	0,1061582 5
Column 3	5	32,227368	6,4454736	0,3355955 4
Column 4	5	27,940716	5,5881432	0,4134120 8
Column 5	5	76,51001	15,302002	0,0774871 7
Column 6	5	75,34048	15,068096	0,0775770 3
Column 7	5	51,55239	10,310478	0,0364945 5
Column 8	5	51,58127	10,316254	0,0186585 9

ANOVA

<i>Source of Variation</i>	<i>SS</i>	<i>df</i>	<i>MS</i>	<i>F</i>	<i>P-value</i>	<i>F crit</i>
Between Groups	543,729758	7	77,675679 8	513,79389 4	5,2272E-31	2,3127411 9
Within Groups	4,83777986	32	0,1511806 2			

Total	548,567538	39
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Anova: Single Factor Hari Ke 8 Soluble protein HMGB1

SUMMARY

<i>Groups</i>	<i>Count</i>	<i>Sum</i>	<i>Average</i>	<i>Variance</i>
Column 1	5	2027,5307	405,50614	27166,982 1
Column 2	5	2543,9072	508,78144	6480,3711 7
Column 3	5	2161,0609	432,21218	33444,963 9
Column 4	5	1884,975	376,995	20387,615 3

ANOVA

<i>Source of Variation</i>	<i>SS</i>	<i>df</i>	<i>MS</i>	<i>F</i>	<i>P-value</i>	<i>F crit</i>
Between Groups	48089,174 5	3	16029,724 82	0,7329555 2	0,5473943 8	3,2388715 2
Within Groups	349919,73	16	21869,983 13			
Total	398008,90 4	19				

Anova: Single Factor Hari ke 9 Soluble protein HMGB1

SUMMARY

<i>Groups</i>	<i>Count</i>	<i>Sum</i>	<i>Average</i>	<i>Variance</i>
Column 1	5	12238,459	2447,6918	58082,870 2
Column 2	5	12044,123	2408,8246	44564,094 3
Column 3	5	12443,851	2488,7702	42746,623 1
Column 4	5	12545,27	2509,054	36644,985 8

Column 5	5	16012,587	3202,5174	14135,3204
Column 6	5	15487,664	3097,5328	46543,6464
Column 7	5	15514,065	3102,813	37025,0608
Column 8	5	15345,301	3069,0602	34857,3911

ANOVA

Source of Variation	SS	df	MS	F	P-value	F crit
Between Groups	4363041,64	7	623291,6632	15,8497566	8,7806E-09	2,31274119
Within Groups	1258399,97	32	39324,99902			
Total	5621441,61	39				

Anova: Single Factor Hari Ke 12 Soluble protein HMGB1

SUMMARY

Groups	Count	Sum	Average	Variance
Column 1	5	22538,224	4507,6448	13380,0369
Column 2	5	21444,394	4288,8788	12079,0129
Column 3	5	2994,9528	598,99056	42756,2153
Column 4	5	1890,6093	378,12186	25422,6174
Column 5	5	23720,967	4744,1934	11810,854
Column 6	5	23332,98	4666,596	5166,47375
Column 7	5	3498,1815	699,6363	52141,9148
Column 8	5	2451,8547	490,37094	39850,8864

ANOVA

<i>Source of Variation</i>	<i>SS</i>	<i>df</i>	<i>MS</i>	<i>F</i>	<i>P-value</i>	<i>F crit</i>
Between Groups	161699322	7	23099903,15	912,10226	5,767E-35	2,31274119
Within Groups	810432,046	32	25326,00144			
Total	162509754	39				

t-Test: Paired Two Sample for Means Ekspresi HMGB1 sebelum dan setelah pemberian miana

	<i>Variable 1</i>	<i>Variable 2</i>
Mean	4,81737175	5,50781855
Variance	0,16624785	0,00248207
Observations	4	4
Pearson Correlation	-0,7023851	
Hypothesized Mean Difference	0	
df	3	
t Stat	-3,1090977	
P(T<=t) one-tail	0,02645935	
t Critical one-tail	2,35336343	
P(T<=t) two-tail	0,05291871	
t Critical two-tail	3,18244631	

t-Test: Paired Two Sample for Means Ekspresi HMGB1 sebelum dan setelah infeksi

	<i>Variable 1</i>	<i>Variable 2</i>
Mean	5,50781855	9,6430929
Variance	0,00248207	0,01326769
Observations	4	4

Pearson Correlation	-0,9925394
Hypothesized Mean Difference	0
df	3
t Stat	-50,201755
P(T<=t) one-tail	8,7029E-06
t Critical one-tail	2,35336343
P(T<=t) two-tail	1,7406E-05
t Critical two-tail	3,18244631

t-Test: Paired Two Sample for Means Kelompok B sebelum dan setelah infeksi

	<i>Variable 1</i>	<i>Variable 2</i>
Mean	4,81737175	11,619595
Variance	0,16624785	0,02264833
Observations	4	4
Pearson Correlation	0,21335734	
Hypothesized Mean Difference	0	
df	3	
t Stat	-33,726452	
P(T<=t) one-tail	2,8652E-05	
t Critical one-tail	2,35336343	
P(T<=t) two-tail	5,7304E-05	
t Critical two-tail	3,18244631	