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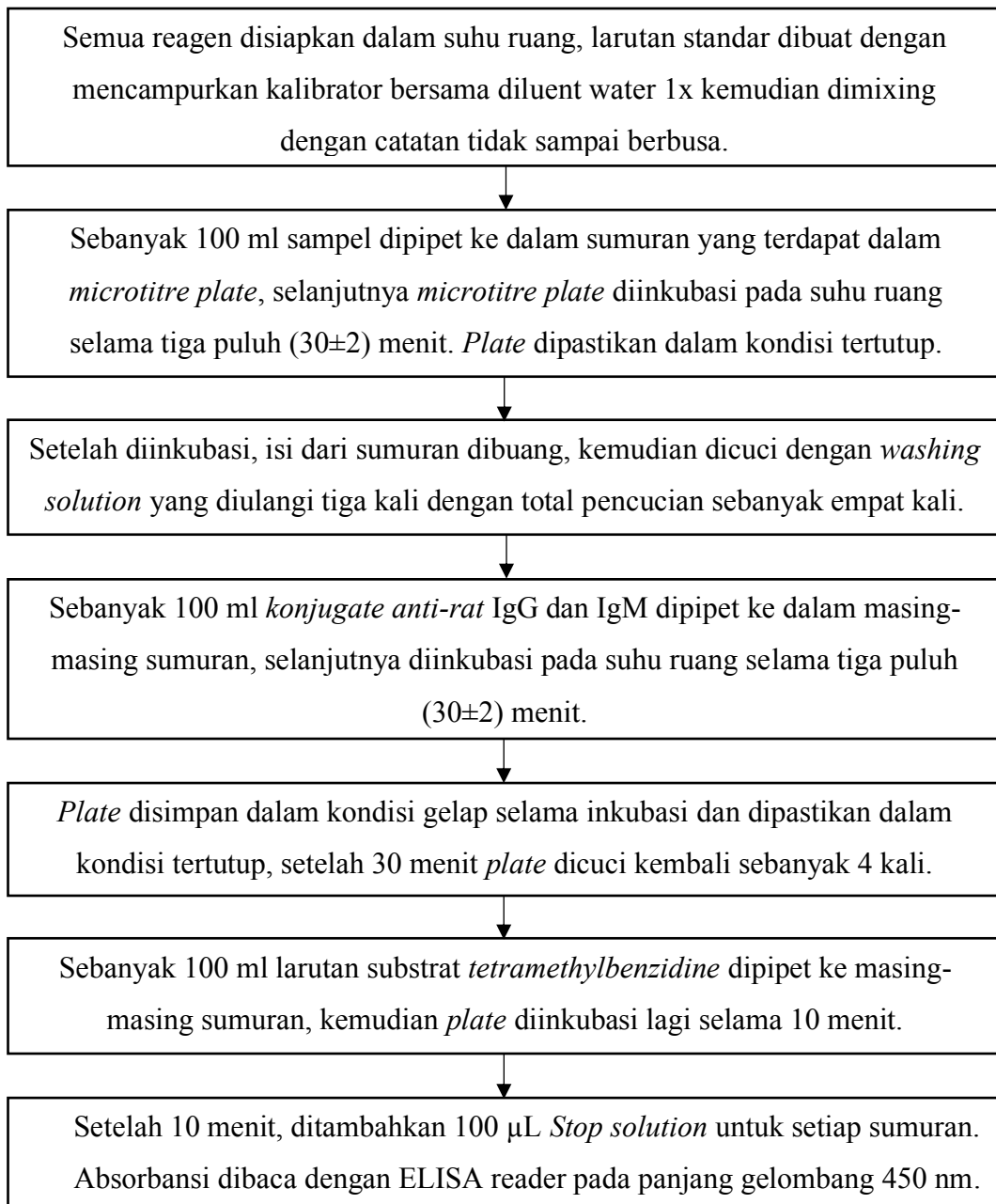
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LAMPIRAN

Lampiran 1. Analisis Total Serum IgM dan IgG (Putera B. F. 2012).

Total IgM dan IgG cairan usus dihitung dengan metode ELISA (*Enzym linked immunorban assay*) dengan prosedur sebagai berikut:



Lampiran 2. Perhitungan Analisis Berat Badan Mula-mula

Tabel Data Primer

Perlakuan	Blok			Jumlah
	I	II	III	
A	297	274,3	247	818,3
B	280,6	237,6	295,9	814,1
C	227,8	246,9	270,7	745,4
D	309,3	334,7	240,3	884,3
E	286,4	285,6	302,4	874,4
F	255,7	230,6	249,7	736
Jumlah	1656,8	1609,7	1606	4872,5

Perhitungan:

- r (Pengulangan) = 3
- t (Perlakuan) = 6
- db perlakuan = $t - 1 = 6 - 1 = 5$
- db blok = $r - 1 = 3 - 1 = 2$
- db error = $(t - 1).(r - 1) = (6 - 1)(3 - 1)$
= 5.2 = 10
- db total = $(r.t) - 1 = (6.3) - 1 = 18 - 1 = 17$
- Faktor Koreksi = $(GT^2)/r.t = 4872,5^2/3.6 = 1318958,681$
- JK Perlakuan = $((\sum A^2 + \sum B^2 + \sum C^2 + \sum D^2 + \sum E^2 + \sum F^2)/r) - FK$
= $((\sum 818,3^2 + \sum 814,1^2 + \sum 745,4^2 + \sum 884,3^2 + \sum 874,4^2 + \sum 736^2)/3) - 1318958,681$
= 6458,889
- JK Blok = $((\sum R1^2 + \sum R2^2 + \sum R3^2)/t) - FK$
= $((\sum 1656,8^2 + \sum 1609,7^2 + \sum 1606^2)/6) - 1318958,681$
= 267,374
- JK Total = $(AI^2 + AII^2 + \dots + FIH^2) - FK$
= $(297^2 + 274,3^2 + \dots + 249,7^2) - 1318958,681$
= 15759,369
- JK Error = JK Total – JK Perlakuan – JK Blok
= 15759,369 - 6458,889 - 267,374

- $$= 9033,106$$
- RK Perlakuan = JK Perlakuan/db Perlakuan

$$= 6458,889/5 = 1291,778$$
- RK Blok = JK Blok/db Blok

$$= 267,374/2 = 133,687$$
- RK Error = JK Error/db Error

$$= 9033,106/10 = 903,311$$
- FH Perlakuan = RK Perlakuan/RK Error

$$= 1291,778/903,311 = 1,430$$

Tabel Anaka

Sumber Keragaman	db	JK	RK	F Hit	F Tabel	
					0,05	0,01
Perlakuan	5	6458,889	1291,778	1,430 ^{tn}	3,326	5,636
Blok	2	267,374	133,687			
Error	10	9033,106	903,311			
Total	17	15759,369				

Keterangan: tn = tidak berbeda nyata

* = berbeda nyata

** = berbeda sangat nyata

Tabel Rerata

Perlakuan	Rerata	SD
A	272,8	25,04
B	271,4	30,23
C	248,5	21,49
D	294,8	48,85
E	291,5	9,48
F	245,3	13,11

Lampiran 3. Perhitungan Analisis Berat Badan Minggu Pertama

Tabel Data Primer

Perlakuan	Blok			Jumlah
	I	II	III	
A	363,4	313,6	294,6	971,6
B	314,4	269,3	343,1	926,8
C	268,9	260	294,4	823,3
D	355,9	393	292,1	1041
E	321,4	319,6	348,8	989,8
F	315,4	273,2	289,7	878,3
Jumlah	1939,4	1828,7	1862,7	5630,8

Perhitungan:

- r (Pengulangan) = 3
- t (Perlakuan) = 6
- db perlakuan = $t - 1 = 6 - 1 = 5$
- db blok = $r - 1 = 3 - 1 = 2$
- db error = $(t - 1).(r - 1) = (6 - 1)(3 - 1)$
= 5.2 = 10
- db total = $(r.t) - 1 = (6.3) - 1 = 18 - 1 = 17$
- Faktor Koreksi = $(GT^2)/r.t = 5630,8^2/3.6 = 1761439,369$
- JK Perlakuan = $((\sum A^2 + \sum B^2 + \sum C^2 + \sum D^2 + \sum E^2 + \sum F^2)/r) - FK$
= $((\sum 971,6^2 + \sum 926,8^2 + \sum 823,3^2 + \sum 1041^2 + \sum 989,8^2 + \sum 878,3^2)/3) - 1761439,369$
= 10421,838
- JK Blok = $((\sum R1^2 + \sum R2^2 + \sum R3^2)/t) - FK$
= $((\sum 1939,4^2 + \sum 1828,7^2 + \sum 1862,7^2)/6) - 1761439,369$
= 1071,854
- JK Total = $(AI^2 + AII^2 + \dots + FIH^2) - FK$
= $(363,4^2 + 313,6^2 + \dots + 289,7^2) - 1761439,369$
= 23001,611
- JK Error = JK Total – JK Perlakuan – JK Blok
= 23001,611 - 10421,838 - 1071,854

$$= 11507,919$$

- RK Perlakuan = JK Perlakuan/db Perlakuan
 $= 10421,838/5 = 2084,368$
- RK Blok = JK Blok/db Blok
 $= 1071,854/2 = 535,927$
- RK Error = JK Error/db Error
 $= 11507,919/10 = 1150,792$
- FH Perlakuan = RK Perlakuan/RK Error
 $= 2084,368/1150,792 = 1,811$

Tabel Anaka

Sumber Keragaman	db	JK	RK	F Hit	F Tabel	
					0,05	0,01
Perlakuan	5	10421,838	2084,368	1,811 ^{tn}	3,326	5,636
Blok	2	1071,854	535,927			
Error	10	11507,919	1150,792			
Total	17	23001,611				

Keterangan: tn = tidak berbeda nyata

* = berbeda nyata

** = berbeda sangat nyata

Tabel Rerata

Perlakuan	Rerata	SD
A	323,9	35,53
B	308,9	37,20
C	274,4	17,86
D	347,0	51,04
E	329,9	16,36
F	292,8	21,27

Lampiran 4. Perhitungan Analisis Berat Badan Minggu Kedua

Tabel Data Primer

Perlakuan	Blok			Jumlah
	I	II	III	
A	369,5	339,3	310,1	1018,9
B	331,7	294,8	352,6	979,1
C	291,1	281,9	324,4	897,4
D	366,6	404	306,9	1077,5
E	334	345,7	354,3	1034
F	330,8	281	300,7	912,5
Jumlah	2023,7	1946,7	1949	5919,4

Perhitungan:

- r (Pengulangan) = 3
- t (Perlakuan) = 6
- db perlakuan = $t - 1 = 6 - 1 = 5$
- db blok = $r - 1 = 3 - 1 = 2$
- db error = $(t - 1).(r - 1) = (6 - 1)(3 - 1)$
= 5.2 = 10
- db total = $(r.t) - 1 = (6.3) - 1 = 18 - 1 = 17$
- Faktor Koreksi = $(GT^2)/r.t = 5919,4^2/3.6 = 1946627,576$
- JK Perlakuan = $((\sum A^2 + \sum B^2 + \sum C^2 + \sum D^2 + \sum E^2 + \sum F^2)/r) - FK$
= $((\sum 1018,9^2 + \sum 979,1^2 + \sum 897,4^2 + \sum 1077,5^2 + \sum 1034^2 + \sum 912,5^2)/3) - 1761439,369$
= 8352,184
- JK Blok = $((\sum R1^2 + \sum R2^2 + \sum R3^2)/t) - FK$
= $((\sum 2023,7^2 + \sum 1946,7^2 + \sum 1949^2)/6) - 1946627,576$
= 639,688
- JK Total = $(AI^2 + AII^2 + \dots + FIH^2) - FK$
= $(369,5^2 + 339,3^2 + \dots + 300,7^2) - 1946627,576$
= 19092,324
- JK Eror = JK Total – JK Perlakuan – JK Blok
= 19092,324 - 8352,184 - 639,688

$$= 10100,452$$

- RK Perlakuan = JK Perlakuan/db Perlakuan
 $= 8352,184/5 = 1670,437$
- RK Blok = JK Blok/db Blok
 $= 639,688/2 = 319,844$
- RK Error = JK Error/db Error
 $= 10100,452/10 = 1010,045$
- FH Perlakuan = RK Perlakuan/RK Error
 $= 1670,437/1010,045 = 1,811$

Tabel Anaka

Sumber Keragaman	db	JK	RK	F Hit	F Tabel	
					0,05	0,01
Perlakuan	5	8352,184	1670,437	1,654 ^{tn}	3,326	5,636
Blok	2	639,688	319,844			
Error	10	10100,452	1010,045			
Total	17	19092,324				

Keterangan: tn = tidak berbeda nyata

* = berbeda nyata

** = berbeda sangat nyata

Tabel Rerata

Perlakuan	Rerata	SD
A	339,6	29,70
B	326,4	29,27
C	299,1	22,36
D	359,2	48,97
E	344,7	10,19
F	304,2	25,08

Lampiran 5. Perhitungan Analisis Berat Badan Minggu Ketiga

Tabel Data Primer

Perlakuan	Blok			Jumlah
	I	II	III	
A	371,5	361,9	323,7	1057,1
B	346,4	315	368,7	1030,1
C	305,2	302	350,2	957,4
D	375,5	417,2	323	1115,7
E	347,1	367,9	363,9	1078,9
F	345,2	291,4	310,7	947,3
Jumlah	2090,9	2055,4	2040,2	6186,5

Perhitungan:

- r (Pengulangan) = 3
- t (Perlakuan) = 6
- db perlakuan = $t - 1 = 6 - 1 = 5$
- db blok = $r - 1 = 3 - 1 = 2$
- db error = $(t - 1)(r - 1) = (6 - 1)(3 - 1)$
= 5.2 = 10
- db total = $(r.t) - 1 = (6.3) - 1 = 18 - 1 = 17$
- Faktor Koreksi = $(GT^2)/r.t = 6186,5^2/3.6 = 2126265,681$
- JK Perlakuan = $((\sum A^2 + \sum B^2 + \sum C^2 + \sum D^2 + \sum E^2 + \sum F^2)/r) - FK$
= $((\sum 1057,1^2 + \sum 1030,1^2 + \sum 957,4^2 + \sum 1115,7^2 + \sum 1078,9^2 + \sum 947,3^2)/3) - 2126265,681$
= 7524,376
- JK Blok = $((\sum R1^2 + \sum R2^2 + \sum R3^2)/t) - FK$
= $((\sum 2090,9^2 + \sum 2055,4^2 + \sum 2040,2^2)/6) - 2126265,681$
= 225,654
- JK Total = $(AI^2 + AII^2 + \dots + FIII^2) - FK$
= $(371,5^2 + 361,9^2 + \dots + 310,7^2) - 2126265,681$
= 17897,209
- JK Error = JK Total – JK Perlakuan – JK Blok
= 17897,209 - 7524,376 - 225,654
= 10147,179

- RK Perlakuan = $\text{JK Perlakuan} / \text{db Perlakuan}$
 $= 7524,376 / 5 = 1504,875$
- RK Blok = $\text{JK Blok} / \text{db Blok}$
 $= 225,654 / 2 = 112,827$
- RK Error = $\text{JK Error} / \text{db Error}$
 $= 10147,179 / 10 = 1014,718$
- FH Perlakuan = $\text{RK Perlakuan} / \text{RK Error}$
 $= 1504,875 / 1014,718 = 1,483$

Tabel Anaka

Sumber Keragaman	db	JK	RK	F Hit	F Tabel	
					0,05	0,01
Perlakuan	5	7524,376	1504,875	1,483 ^{tn}	3,326	5,636
Blok	2	225,654	112,827			
Error	10	10147,179	1014,718			
Total	17	17897,209				

Keterangan: tn = tidak berbeda nyata

* = berbeda nyata

** = berbeda sangat nyata

Tabel Rerata

Perlakuan	Rerata	SD
A	352,4	25,29
B	343,4	26,98
C	319,1	26,95
D	371,9	47,20
E	359,6	11,04
F	315,8	27,26

Lampiran 6. Perhitungan Analisis Kenaikan Berat Badan Minggu Pertama

Tabel Data Primer

Perlakuan	Blok			Jumlah
	I	II	III	
A	66,4	39,3	47,6	153,3
B	58,7	38,7	93,2	190,6
C	41,1	13,1	23,7	77,9
D	46,6	58,3	51,8	156,7
E	35	34	46,4	115,4
F	59,7	42,6	40	142,3
Jumlah	307,5	226	302,7	836,2

Perhitungan:

- r (Pengulangan) = 3
- t (Perlakuan) = 6
- db perlakuan = $t - 1 = 6 - 1 = 5$
- db blok = $r - 1 = 3 - 1 = 2$
- db error = $(t - 1)(r - 1) = (6 - 1)(3 - 1) = 5.2 = 10$
- db total = $(r.t) - 1 = (6.3) - 1 = 18 - 1 = 17$
- Faktor Koreksi = $(GT^2)/r.t = 836,2^2/3.6 = 38846,13556$
- JK Perlakuan = $((\sum A^2 + \sum B^2 + \sum C^2 + \sum D^2 + \sum E^2 + \sum F^2)/r) - FK$
 $= ((\sum 153,3^2 + \sum 190,6^2 + \sum 77,9^2 + \sum 156,7^2 + \sum 115,4^2 + \sum 142,3^2)/3) - 38846,13556$
 $= 2493,531$
- JK Blok = $((\sum R1^2 + \sum R2^2 + \sum R3^2)/t) - FK$
 $= ((\sum 307,5^2 + \sum 226^2 + \sum 302,7^2)/6) - 38846,13556$
 $= 697,121$
- JK Total = $(AI^2 + AII^2 + \dots + FIH^2) - FK$
 $= (66,4^2 + 39,3^2 + \dots + 40^2) - 38846,13556$
 $= 5191,704$
- JK Error = JK Total – JK Perlakuan – JK Blok
 $= 5191,704 - 2493,531 - 697,121$
 $= 2001,052$
- RK Perlakuan = JK Perlakuan/db Perlakuan
 $= 2493,531/5 = 498,706$

- RK Blok = JK Blok/db Blok
= $697,121/2$ = 348,561
- RK Error = JK Error/db Error
= $2001,052/10$ = 200,105
- FH Perlakuan = RK Perlakuan/RK Error
= $498,706/200,105$ = 2,492

Tabel Anaka

Sumber Keragaman	db	JK	RK	F Hit	F Tabel	
					0,05	0,01
Perlakuan	5	2493,531	498,706	2,492 ^{tn}	3,326	5,636
Blok	2	697,121	348,561			
Error	10	2001,052	200,105			
Total	17	5191,704				

Keterangan: tn = tidak berbeda nyata

* = berbeda nyata

** = berbeda sangat nyata

Perlakuan	Rerata	SD
A	51,10	13,88
B	63,53	27,57
C	25,97	14,14
D	52,23	5,86
E	38,47	6,89
F	47,43	10,70

Lampiran 7. Perhitungan Analisis Kenaikan Berat Badan Minggu Kedua

Tabel Data Primer

Perlakuan	Blok			Jumlah
	I	II	III	
A	72,5	65	63,1	200,6
B	76	64,2	102,9	243,1
C	63,3	35	53,6	151,9
D	57,3	69,3	66,6	193,2
E	47,6	60,1	51,9	159,6
F	75,1	50,4	51	176,5
Jumlah	391,8	344	389,1	1124,9

Perhitungan:

- r (Pengulangan) = 3
- t (Perlakuan) = 6
- db perlakuan = $t - 1 = 6 - 1 = 5$
- db blok = $r - 1 = 3 - 1 = 2$
- db error = $(t - 1)(r - 1) = (6 - 1)(3 - 1)$
= 5.2 = 10
- db total = $(r.t) - 1 = (6.3) - 1 = 18 - 1 = 17$
- Faktor Koreksi = $(GT^2)/r.t = 1124,9^2/3.6 = 70300,00$
- JK Perlakuan = $((\sum A^2 + \sum B^2 + \sum C^2 + \sum D^2 + \sum E^2 + \sum F^2)/r) - FK$
= $((\sum 200,6^2 + \sum 243,1^2 + \sum 151,9^2 + \sum 193,2^2 + \sum 159,6^2 + \sum 176,5^2)/3) - 70300,00$
= 1820,743
- JK Blok = $((\sum R1^2 + \sum R2^2 + \sum R3^2)/t) - FK$
= $((\sum 391,8^2 + \sum 344^2 + \sum 389,1^2)/6) - 70300,00$
= 240,341
- JK Total = $(AI^2 + AII^2 + \dots + FIH^2) - FK$
= $(72,5^2 + 65^2 + \dots + 51^2) - 70300,00$
= 3627,649
- JK Error = JK Total – JK Perlakuan – JK Blok
= 3627,649 - 1820,743 - 240,341
= 1566,566
- RK Perlakuan = JK Perlakuan/db Perlakuan = $1820,743/5 = X$

- RK Blok = JK Blok/db Blok
= $1820,743/2$ = 364,149
- RK Error = JK Error/db Error
= $1566,566/10$ = 156,657
- FH Perlakuan = RK Perlakuan/RK Error
= $364,149/156,657$ = 2,325

Tabel Anaka

Sumber Keragaman	db	JK	RK	F Hit	F Tabel	
					0,05	0,01
Perlakuan	5	1820,743	364,149	2,325 ^{tn}	3,326	5,636
Blok	2	240,341	120,171			
Error	10	1566,566	156,657			
Total	17	3627,649				

Keterangan: tn = tidak berbeda nyata

* = berbeda nyata

** = berbeda sangat nyata

Tabel Rerata

Perlakuan	Rerata	SD
A	66,87	4,97
B	81,03	19,83
C	50,63	14,38
D	64,40	6,30
E	53,20	6,35
F	58,83	14,09

Lampiran 8. Perhitungan Analisis Kenaikan Berat Badan Minggu Ketiga

Tabel Data Primer

Perlakuan	Blok			Jumlah
	I	II	III	
A	74,5	87,6	76,7	238,8
B	90,7	84,4	119	294,1
C	77,4	55,1	79,5	212
D	66,2	82,5	82,7	231,4
E	60,7	82,3	61,5	204,5
F	89,5	60,8	61	211,3
Jumlah	459	452,7	480,4	1392,1

Perhitungan:

- r (Pengulangan) = 3
- t (Perlakuan) = 6
- db perlakuan = $t - 1 = 6 - 1 = 5$
- db blok = $r - 1 = 3 - 1 = 2$
- db error = $(t - 1)(r - 1) = (6 - 1)(3 - 1)$
= 5.2 = 10
- db total = $(r.t) - 1 = (6.3) - 1 = 18 - 1 = 17$
- Faktor Koreksi = $(GT^2)/r.t = 1392,1^2/3.6 = 107663,47$
- JK Perlakuan = $((\sum A^2 + \sum B^2 + \sum C^2 + \sum D^2 + \sum E^2 + \sum F^2)/r) - FK$
= $((\sum 238,8^2 + \sum 294,1^2 + \sum 212^2 + \sum 231,4^2 + \sum 204,5^2 + \sum 211,3^2)/3) - 107663,47$
= 1829,249
- JK Blok = $((\sum R1^2 + \sum R2^2 + \sum R3^2)/t) - FK$
= $((\sum 452,7^2 + \sum 452,7^2 + \sum 480,4^2)/6) - 107663,47$
= 70,274
- JK Total = $(AI^2 + AII^2 + \dots + FI^2) - FK$
= $(74,5^2 + 87,6^2 + \dots + 61^2) - 107663,47$
= 3997,203
- JK Error = JK Total – JK Perlakuan – JK Blok
= 3997,203 - 1829,249 - 70,274
= 2097,679

- RK Perlakuan = $\text{JK Perlakuan/db Perlakuan} = 1829,249/5 = 365,850$
- RK Blok = JK Blok/db Blok
 $= 70,274/2 = 35,137$
- RK Error = JK Error/db Error
 $= 2097,679/10 = 209,768$
- FH Perlakuan = $\text{RK Perlakuan/RK Error}$
 $= 365,850/209,768 = 1,744$

Tabel Anaka

Sumber Keragaman	db	JK	RK	F Hit	F Tabel	
					0,05	0,01
Perlakuan	5	1829,249	365,850	1,744 ^{tn}	3,326	5,636
Blok	2	70,274	35,137			
Error	10	2097,679	209,768			
Total	17	3997,203				

Keterangan: tn = tidak berbeda nyata

* = berbeda nyata

** = berbeda sangat nyata

Tabel Rerata

Perlakuan	Rerata	SD
A	79,60	7,01
B	98,03	18,43
C	70,67	13,52
D	77,13	9,47
E	68,17	12,25
F	70,43	16,51

Lampiran 9. Perhitungan Analisis Berat Lambung

Tabel Data Primer

Perlakuan	Blok			Jumlah
	I	II	III	
A	3,17	6,3	7,53	17
B	5,64	4,61	4,23	14,48
C	4,17	4,64	5,99	14,8
D	4,42	3,77	3,16	11,35
E	6,84	4,72	4	15,56
F	5,11	4,05	6,11	15,27
Jumlah	29,35	28,09	31,02	88,46

Perhitungan:

- r (Pengulangan) = 3
- t (Perlakuan) = 6
- db perlakuan = $t - 1 = 6 - 1 = 5$
- db blok = $r - 1 = 3 - 1 = 2$
- db error = $(t - 1)(r - 1) = (6 - 1)(3 - 1)$
= 5.2 = 10
- db total = $(r.t) - 1 = (6.3) - 1 = 18 - 1 = 17$
- Faktor Koreksi = $(GT^2)/r.t = 88,46^2/3.6 = 434,732$
- JK Perlakuan = $((\sum A^2 + \sum B^2 + \sum C^2 + \sum D^2 + \sum E^2 + \sum F^2)/r) - FK$
= $((\sum 17^2 + \sum 14,48^2 + \sum 14,8^2 + \sum 11,35^2 + \sum 15,56^2 + \sum 15,27^2)/3) - 434,732$
= 5,875
- JK Blok = $((\sum R1^2 + \sum R2^2 + \sum R3^2)/t) - FK$
= $((\sum 29,35^2 + \sum 28,09^2 + \sum 31,02^2)/6) - 434,732$
= 0,720
- JK Total = $(AI^2 + AII^2 + \dots + FIII^2) - FK$
= $(3,17^2 + 6,3^2 + \dots + 6,11^2) - 434,732$
= 26,107
- JK Eror = JK Total – JK Perlakuan – JK Blok
= 26,107 - 5,875 - 0,720
= 19,512

- RK Perlakuan = $JK \text{ Perlakuan} / db \text{ Perlakuan} = 5,875/5 = 1,175$
- RK Blok = $JK \text{ Blok} / db \text{ Blok}$
= $0,720/2 = 0,360$
- RK Error = $JK \text{ Error} / db \text{ Error}$
= $19,512/10 = 1,951$
- FH Perlakuan = $RK \text{ Perlakuan} / RK \text{ Error}$
= $1,175/1,951 = X$

Tabel Anaka

Sumber Keragaman	db	JK	RK	F Hit	F Tabel	
					0,05	0,01
Perlakuan	5	5,875	1,175	0,602 ^{tn}	3,326	5,636
Blok	2	0,720	0,360			
Error	10	19,512	1,951			
Total	17	26,107				

Keterangan: tn = tidak berbeda nyata

* = berbeda nyata

** = berbeda sangat nyata

Tabel Rerata

Perlakuan	Rerata	SD
A	5,67	2,25
B	4,83	0,73
C	4,93	0,94
D	3,78	0,63
E	5,19	1,48
F	5,09	1,03

Lampiran 10. Perhitungan Analisis Berat Usus Halus

Tabel Data Primer

Perlakuan	Blok			Jumlah
	I	II	III	
A	14,88	17,2	15,3	47,38
B	14,32	16,12	16,72	47,16
C	13,76	13,32	16,5	43,58
D	16,4	20	12,88	49,28
E	12,97	15,14	15,12	43,23
F	16,7	13,76	14,7	45,16
Jumlah	89,03	95,54	91,22	275,79

Perhitungan:

- r (Pengulangan) = 3
- t (Perlakuan) = 6
- db perlakuan = $t - 1 = 6 - 1 = 5$
- db blok = $r - 1 = 3 - 1 = 2$
- db error = $(t - 1)(r - 1) = (6 - 1)(3 - 1)$
= 5.2 = 10
- db total = $(r.t) - 1 = (6.3) - 1 = 18 - 1 = 17$
- Faktor Koreksi = $(GT^2)/r.t = 275,79^2/3.6 = 4225,562$
- JK Perlakuan = $((\sum A^2 + \sum B^2 + \sum C^2 + \sum D^2 + \sum E^2 + \sum F^2)/r) - FK$
= $((\sum 47,38^2 + \sum 47,16^2 + \sum 43,58^2 + \sum 49,28^2 + \sum 43,23^2 + \sum 45,16^2)/3) - 4225,562$
= 9,41
- JK Blok = $((\sum R1^2 + \sum R2^2 + \sum R3^2)/t) - FK$
= $((\sum 89,03^2 + \sum 95,54^2 + \sum 91,22^2)/6) - 4225,562$
= 3,66
- JK Total = $(AI^2 + AII^2 + \dots + FIH^2) - FK$
= $(14,88^2 + 17,2^2 + \dots + 14,7^2) - 4225,562$
= 54,49
- JK Eror = JK Total – JK Perlakuan – JK Blok
= 54,49 - 9,41 - 3,66
= 41,42

- RK Perlakuan = $JK \text{ Perlakuan} / db \text{ Perlakuan} = 9,41/5 = 1,88$
- RK Blok = $JK \text{ Blok} / db \text{ Blok}$
= $3,66/2 = 1,83$
- RK Error = $JK \text{ Error} / db \text{ Error}$
= $41,42/10 = 4,14$
- FH Perlakuan = $RK \text{ Perlakuan} / RK \text{ Error}$
= $1,88/4,14 = 0,45$

Tabel Anaka

Sumber Keragaman	db	JK	RK	F Hit	F Tabel	
					0,05	0,01
Perlakuan	5	9,41	1,88	0,45 ^{tn}	3,33	5,636
Blok	2	3,66	1,83			
Error	10	41,42	4,14			
Total	17	54,49				

Keterangan: tn = tidak berbeda nyata

* = berbeda nyata

** = berbeda sangat nyata

Tabel Rerata

Perlakuan	Rerata	SD
A	15,79	1,24
B	15,72	1,25
C	14,53	1,72
D	16,43	3,56
E	14,41	1,25
F	15,05	1,50

Lampiran 11. Perhitungan Analisis Berat Cecum

Tabel Data Primer

Perlakuan	Blok			Jumlah
	I	II	III	
A	3,3	4,59	4,57	12,46
B	4,19	3,86	4,06	12,11
C	4,1	3,03	4,15	11,28
D	3,85	4,09	3,59	11,53
E	3,67	5,68	4,6	13,95
F	5,26	3,65	2,85	11,76
Jumlah	24,37	24,9	23,82	73,09

Perhitungan:

- r (Pengulangan) = 3
- t (Perlakuan) = 6
- db perlakuan = $t - 1 = 6 - 1 = 5$
- db blok = $r - 1 = 3 - 1 = 2$
- db error = $(t - 1)(r - 1) = (6 - 1)(3 - 1)$
= 5.2 = 10
- db total = $(r.t) - 1 = (6.3) - 1 = 18 - 1 = 17$
- Faktor Koreksi = $(GT^2)/r.t = 73,09^2/3.6 = 296,786$
- JK Perlakuan = $((\sum A^2 + \sum B^2 + \sum C^2 + \sum D^2 + \sum E^2 + \sum F^2)/r) - FK$
= $((\sum 12,46^2 + \sum 12,11^2 + \sum 11,28^2 + \sum 11,53^2 + \sum 13,95^2 + \sum 11,76^2)/3) - 296,786$
= 1,542
- JK Blok = $((\sum R1^2 + \sum R2^2 + \sum R3^2)/t) - FK$
= $((\sum 24,37^2 + \sum 24,9^2 + \sum 23,82^2)/6) - 296,786$
= 0,097
- JK Total = $(AI^2 + AII^2 + \dots + FIH^2) - FK$
= $(3,3^2 + 4,59^2 + \dots + 2,85^2) - 296,786$
= 8,652
- JK Eror = JK Total – JK Perlakuan – JK Blok
= 8,652 - 1,542 - 0,097
= 7,013

- RK Perlakuan = $JK \text{ Perlakuan} / db \text{ Perlakuan} = 1,542/5 = 0,308$
- RK Blok = $JK \text{ Blok} / db \text{ Blok}$
= $0,097/2 = 0,049$
- RK Error = $JK \text{ Error} / db \text{ Error}$
= $7,013/10 = 0,701$
- FH Perlakuan = $RK \text{ Perlakuan} / RK \text{ Error}$
= $0,308/0,701 = 0,440$

Tabel Anaka

Sumber Keragaman	db	JK	RK	F Hit	F Tabel	
					0,05	0,01
Perlakuan	5	1,542	0,308	0,440 ^{tn}	3,326	5,636
Blok	2	0,097	0,049			
Error	10	7,013	0,701			
Total	17	8,652				

Keterangan: tn = tidak berbeda nyata

* = berbeda nyata

** = berbeda sangat nyata

Tabel Rerata

Perlakuan	Rerata	SD
A	4,15	0,74
B	4,04	0,17
C	3,76	0,63
D	3,84	0,25
E	4,65	1,01
F	3,92	1,23

Lampiran 12. Perhitungan Analisis Berat Colon

Tabel Data Primer

Perlakuan	Blok			Jumlah
	I	II	III	
A	3,85	4,63	3,17	11,65
B	3,88	4,29	3,99	12,16
C	5,78	4,57	5,69	16,04
D	6,26	3,8	4,8	14,86
E	4,37	5,68	5,14	15,19
F	4,22	5,62	2,85	12,69
Jumlah	28,36	28,59	25,64	82,59

Perhitungan:

- r (Pengulangan) = 3
- t (Perlakuan) = 6
- db perlakuan = $t - 1 = 6 - 1 = 5$
- db blok = $r - 1 = 3 - 1 = 2$
- db error = $(t - 1)(r - 1) = (6 - 1)(3 - 1)$
= 5.2 = 10
- db total = $(r.t) - 1 = (6.3) - 1 = 18 - 1 = 17$
- Faktor Koreksi = $(GT^2)/r.t = 82,59^2/3.6 = 378,950$
- JK Perlakuan = $((\sum A^2 + \sum B^2 + \sum C^2 + \sum D^2 + \sum E^2 + \sum F^2)/r) - FK$
= $((\sum 11,65^2 + \sum 12,16^2 + \sum 16,04^2 + \sum 14,86^2 + \sum 15,19^2 + \sum 12,69^2)/3) - 378,950$
= 5,537
- JK Blok = $((\sum R1^2 + \sum R2^2 + \sum R3^2)/t) - FK$
= $((\sum 28,36^2 + \sum 28,59^2 + \sum 25,64^2)/6) - 378,950$
= 0,897
- JK Total = $(AI^2 + AII^2 + \dots + FIII^2) - FK$
= $(3,85^2 + 4,63^2 + \dots + 2,85^2) - 378,950$
= 15,368
- JK Error = JK Total – JK Perlakuan – JK Blok
= $15,368 - 5,537 - 0,897 = 8,934$

- RK Perlakuan = $JK \text{ Perlakuan} / db \text{ Perlakuan} = 5,537/5 = 1,107$
- RK Blok = $JK \text{ Blok} / db \text{ Blok}$
= $0,897/2 = 0,449$
- RK Error = $JK \text{ Error} / db \text{ Error}$
= $8,934/10 = 0,893$
- FH Perlakuan = $RK \text{ Perlakuan} / RK \text{ Error}$
= $1,107/0,893 = 1,240$

Tabel Anaka

Sumber Keragaman	db	JK	RK	F Hit	F Tabel	
					0,05	0,01
Perlakuan	5	5,537	1,107	1,240 ^{tn}	3,326	5,636
Blok	2	0,897	0,449			
Error	10	8,934	0,893			
Total	17	15,368				

Keterangan: tn = tidak berbeda nyata

* = berbeda nyata

** = berbeda sangat nyata

Tabel Rerata

Perlakuan	Rerata	SD
A	3,88	0,73
B	4,05	0,21
C	5,35	0,67
D	4,95	1,24
E	5,06	0,66
F	4,23	1,39

Lampiran 13. Perhitungan Analisis Berat Organ Pencernaan

Tabel Data Primer

Perlakuan	Blok			Jumlah
	I	II	III	
A	25,2	32,72	30,57	88,49
B	28,03	28,88	29	85,91
C	27,81	25,56	32,33	85,7
D	30,93	31,66	24,43	87,02
E	27,85	31,22	28,86	87,93
F	31,29	27,08	26,51	84,88
Jumlah	171,11	177,12	171,7	519,93

Perhitungan:

- r (Pengulangan) = 3
- t (Perlakuan) = 6
- db perlakuan = $t - 1 = 6 - 1 = 5$
- db blok = $r - 1 = 3 - 1 = 2$
- db error = $(t - 1)(r - 1) = (6 - 1)(3 - 1)$
= 5.2 = 10
- db total = $(r.t) - 1 = (6.3) - 1 = 18 - 1 = 17$
- Faktor Koreksi = $(GT^2)/r.t = 519,93^2/3.6 = 15018,178$
- JK Perlakuan = $((\sum A^2 + \sum B^2 + \sum C^2 + \sum D^2 + \sum E^2 + \sum F^2)/r) - FK$
= $((\sum 88,49^2 + \sum 85,91^2 + \sum 85,7^2 + \sum 87,02^2 + \sum 87,93^2 + \sum 84,88^2)/3) - 15018,178$
= 3,248
- JK Blok = $((\sum R1^2 + \sum R2^2 + \sum R3^2)/t) - FK$
= $((\sum 171,11^2 + \sum 177,12^2 + \sum 171,7^2)/6) - 15018,178$
= 3,658
- JK Total = $(AI^2 + AII^2 + \dots + FIH^2) - FK$
= $(25,2^2 + 32,72^2 + \dots + 26,51^2) - 15018,178$
= 108,886
- JK Error = JK Total – JK Perlakuan – JK Blok
= $108,886 - 3,248 - 3,658 = 101,980$

- RK Perlakuan = $\text{JK Perlakuan/db Perlakuan} = 3,248/5 = 0,650$
- RK Blok = $\text{JK Blok/db Blok} = 3,658/2 = 1,829$
- RK Error = $\text{JK Error/db Error} = 101,980/10 = 10,198$
- FH Perlakuan = $\text{RK Perlakuan/RK Error} = 0,650/10,198 = 0,064$

Tabel Anaka

Sumber Keragaman	db	JK	RK	F Hit	F Tabel	
					0,05	0,01
Perlakuan	5	3,248	0,650	0,064 ^{tn}	3,326	5,636
Blok	2	3,658	1,829			
Error	10	101,980	10,198			
Total	17	108,886				

Keterangan: tn = tidak berbeda nyata

* = berbeda nyata

** = berbeda sangat nyata

Tabel Rerata

Perlakuan	Rerata	SD
A	29,50	3,873194203
B	28,64	0,528803681
C	28,57	3,447844737
D	29,01	3,98028056
E	29,31	1,729479691
F	28,29	2,610791706

Lampiran 14. Perhitungan Analisis Total IgM Minggu Pertama

Perlakuan	Blok			Jumlah
	I	II	III	
A	3,92	3,033	3,509	10,462
B	2,71	2,615	3,812	9,137
C	3,37	3,262	3,1	9,732
D	4,327	2,771	2,539	9,637
E	2,288	3,744	4,094	10,126
F	2,933	4,433	3,83	11,196
Jumlah	19,548	19,858	20,884	60,29

Perhitungan:

- r (Pengulangan) = 3
- t (Perlakuan) = 6
- db perlakuan = $t - 1 = 6 - 1 = 5$
- db blok = $r - 1 = 3 - 1 = 2$
- db error = $(t - 1)(r - 1) = (6 - 1)(3 - 1)$
= 5.2 = 10
- db total = $(r.t) - 1 = (6.3) - 1 = 18 - 1 = 17$
- Faktor Koreksi = $(GT^2)/r.t = 60,29^2/3.6 = 201,9380056$
- JK Perlakuan = $((\sum A^2 + \sum B^2 + \sum C^2 + \sum D^2 + \sum E^2 + \sum F^2)/r) - FK$
= $((\sum 10,462^2 + \sum 9,137^2 + \sum 9,732^2 + \sum 9,637^2 + \sum 10,126^2 + \sum 11,196^2)/3) - 201,9380056$
= 0,865
- JK Blok = $((\sum R1^2 + \sum R2^2 + \sum R3^2)/t) - FK$
= $((\sum 19,548^2 + \sum 19,858^2 + \sum 20,884^2)/6) - 201,9380056$
= 0,163
- JK Total = $(AI^2 + AII^2 + \dots + FIH^2) - FK$
= $(3,92^2 + 3,033^2 + \dots + 3,83^2) - 201,9380056$
= 7,046
- JK Error = JK Total – JK Perlakuan – JK Blok
= $7,046 - 0,865 - 0,163 = 6,018$
- RK Perlakuan = JK Perlakuan/db Perlakuan = $0,865/5 = 0,173$
- RK Blok = JK Blok/db Blok

$$= 0,163/2 = 0,081$$

- RK Error = JK Error/db Error
 $= 6,018/10 = 0,602$
- FH Perlakuan = RK Perlakuan/RK Error
 $= 0,173/0,602 = 0,287$

Sumber Keragaman	db	JK	RK	F Hit	F Tabel	
					0,05	0,01
Perlakuan	5	0,865	0,173	0,287 ^{tn}	3,326	5,636
Blok	2	0,163	0,081			
Error	10	6,018	0,602			
Total	17	7,046				

Keterangan: tn = tidak berbeda nyata

* = berbeda nyata

** = berbeda sangat nyata

Perlakuan	Rerata	SD
A	3,5	0,44
B	3,0	0,67
C	3,2	0,14
D	3,2	0,97
E	3,4	0,96
F	3,7	0,75

Lampiran 15. Perhitungan Analisis Total IgM Minggu Kedua

Perlakuan	Blok			Jumlah
	I	II	III	
A	3,425	2,407	2,448	8,28
B	2,525	3,287	4,173	9,985
C	3,717	2,406	2,25	8,373
D	3,707	2,95	3,877	10,534
E	2,907	3,83	3,498	10,235
F	2,783	3,594	2,998	9,375
Jumlah	19,064	18,474	19,244	56,782

Perhitungan:

- r (Pengulangan) = 3
- t (Perlakuan) = 6
- db perlakuan = $t - 1 = 6 - 1 = 5$
- db blok = $r - 1 = 3 - 1 = 2$
- db error = $(t - 1)(r - 1) = (6 - 1)(3 - 1)$
= 5.2 = 10
- db total = $(r.t) - 1 = (6.3) - 1 = 18 - 1 = 17$
- Faktor Koreksi = $(GT^2)/r.t = 56,782^2/3.6 = 179,1219736$
- JK Perlakuan = $((\sum A^2 + \sum B^2 + \sum C^2 + \sum D^2 + \sum E^2 + \sum F^2)/r) - FK$
= $((\sum 8,28^2 + \sum 9,985^2 + \sum 8,873^2 + \sum 10,534^2 + \sum 10,235^2 + \sum 9,375^2)/3) - 179,1219736$
= 1,537
- JK Blok = $((\sum R1^2 + \sum R2^2 + \sum R3^2)/t) - FK$
= $((\sum 19,064^2 + \sum 18,474^2 + \sum 19,244^2)/6) - 179,1219736$
= 0,054
- JK Total = $(AI^2 + AII^2 + \dots + FIH^2) - FK$
= $(3,425^2 + 2,407^2 + \dots + 2,998^2) - 179,1219736$
= 6,137
- JK Error = JK Total – JK Perlakuan – JK Blok
= $6,137 - 1,537 - 0,054 = 4,546$
- RK Perlakuan = JK Perlakuan/db Perlakuan = $1,537/5 = 0,307$
- RK Blok = JK Blok/db Blok

$$= 0,054/2 = 0,027$$

- RK Error = JK Error/db Error
 $= 4,546/10 = 0,455$
- FH Perlakuan = RK Perlakuan/RK Error
 $= 0,307/0,455 = 0,676$

Sumber Keragaman	db	JK	RK	F Hit	F Tabel	
					0,05	0,01
Perlakuan	5	1,537	0,307	0,676 ^{tn}	3,326	5,636
Blok	2	0,054	0,027			
Error	10	4,546	0,455			
Total	17	6,137				

Keterangan: tn = tidak berbeda nyata

* = berbeda nyata

** = berbeda sangat nyata

Perlakuan	Rerata	SD
A	2,8	0,58
B	3,3	0,82
C	2,8	0,81
D	3,5	0,49
E	3,4	0,47
F	3,1	0,42

Lampiran 16. Perhitungan Analisis Total IgG Minggu Pertama

Perlakuan	Blok			Jumlah
	I	II	III	
A	14,073	11,705	11,957	37,735
B	10,06	11,347	10,948	32,355
C	10,522	9,232	11,842	31,596
D	8,493	8,06	10,178	26,731
E	7,817	6,002	6,64	20,459
F	9,045	10,924	9,335	29,304
Jumlah	60,01	57,27	60,9	178,18

Perhitungan:

- r (Pengulangan) = 3
- t (Perlakuan) = 6
- db perlakuan = $t - 1 = 6 - 1 = 5$
- db blok = $r - 1 = 3 - 1 = 2$
- db error = $(t - 1)(r - 1) = (6 - 1)(3 - 1)$
= 5.2 = 10
- db total = $(r.t) - 1 = (6.3) - 1 = 18 - 1 = 17$
- Faktor Koreksi = $(GT^2)/r.t = 178,18^2/3.6 = 1763,784022$
- JK Perlakuan = $((\sum A^2 + \sum B^2 + \sum C^2 + \sum D^2 + \sum E^2 + \sum F^2)/r) - FK$
= $((\sum 37,735^2 + \sum 32,355^2 + \sum 31,596^2 + \sum 26,731^2 + \sum 20,459^2 + \sum 29,304^2)/3) - 1763,784022$
= 56,524
- JK Blok = $((\sum R1^2 + \sum R2^2 + \sum R3^2)/t) - FK$
= $((\sum 60,01^2 + \sum 57,27^2 + \sum 60,9^2)/6) - 1763,784022$
= 1,193
- JK Total = $(AI^2 + AII^2 + \dots + FIH^2) - FK$
= $(14,073^2 + 11,705^2 + \dots + 9,335^2) - 1763,784022$
= 70,428
- JK Error = JK Total – JK Perlakuan – JK Blok
= 70,428 - 56,524 – 1,193 = 12,710
- RK Perlakuan = JK Perlakuan/db Perlakuan = 56,524/5 = 11,305
- RK Blok = JK Blok/db Blok

$$= 1,193/2 = 0,597$$

- RK Error = JK Error/db Error
 $= 12,710/10 = 1,271$
- FH Perlakuan = RK Perlakuan/RK Error
 $= 11,305/1,271 = 8,894$

Sumber Keragaman	db	JK	RK	F Hit	F Tabel	
					0,05	0,01
Perlakuan	5	56,524	11,305	8,894**	3,326	5,636
Blok	2	1,193	0,597			
Error	10	12,710	1,271			
Total	17	70,428				

Keterangan: tn = tidak berbeda nyata

* = berbeda nyata

** = berbeda sangat nyata

Perlakuan	Rerata	SD
A	12,6	1,30
B	10,8	0,66
C	10,5	1,31
D	8,9	1,12
E	6,8	0,92
F	9,8	1,01

Uji Berjarak Ganda DUNCAN

$$Sd = \sqrt{(2R_{ke}/r)} = \sqrt{(20,597/3)} = 0,65090162$$

$$Rp2 = 3,081 \quad Rp3 = 3,225 \quad Rp4 = 3,312$$

$$Rp5 = 3,37 \quad Rp6 = 3,41$$

$$JBD2 = (Rp \times sd) / \sqrt{2} = (3,081 \times 0,65090162) = 2,00542789$$

$$JBD3 = (Rp \times sd) / \sqrt{2} = (3,225 \times 0,65090162) = 2,099157724$$

$$JBD4 = (Rp \times sd) / \sqrt{2} = (3,312 \times 0,65090162) = 2,155786164$$

$$JBD5 = (Rp \times sd) / \sqrt{2} = (3,37 \times 0,65090162) = 2,193538458$$

$$JBD6 = (Rp \times sd) / \sqrt{2} = (3,41 \times 0,65090162) = 2,219574523$$

Perlakuan	Rerata	Selisih	Selisih	Selisih	Selisih	Notasi
A	12,6					a
B	10,8	1,8				a
C	10,5	2,0				a
F	9,8	2,8	1,0			b
D	8,9	1,9				a
E	6,8	4,0	3,7	2,9	2,1	c

Lampiran 17. Perhitungan Analisis Total IgG Minggu Kedua

Perlakuan	Blok			Jumlah
	I	II	III	
A	7,579	8,996	15,847	32,422
B	9,996	9,751	8,427	28,174
C	8,422	4,446	8,109	20,977
D	4,731	7,018	9,94	21,689
E	9,231	8,729	8,646	26,606
F	9,758	9,848	8,474	28,08
Jumlah	49,717	48,788	59,443	157,948

Perhitungan:

- r (Pengulangan) = 3
- t (Perlakuan) = 6
- db perlakuan = $t - 1 = 6 - 1 = 5$
- db blok = $r - 1 = 3 - 1 = 2$
- db error = $(t - 1)(r - 1) = (6 - 1)(3 - 1)$
= 5.2 = 10
- db total = $(r.t) - 1 = (6.3) - 1 = 18 - 1 = 17$
- Faktor Koreksi = $(GT^2)/r.t = 157,948^2/3.6 = 1385,97615$
- JK Perlakuan = $((\sum A^2 + \sum B^2 + \sum C^2 + \sum D^2 + \sum E^2 + \sum F^2)/r) - FK$
= $((\sum 32,422^2 + \sum 28,174^2 + \sum 20,977^2 + \sum 21,689^2 + \sum 26,606^2 + \sum 28,08^2)/3) - 1385,97615$
= 31,282
- JK Blok = $((\sum R1^2 + \sum R2^2 + \sum R3^2)/t) - FK$
= $((\sum 49,717^2 + \sum 48,788^2 + \sum 59,443^2)/6) - 1385,97615$
= 11,610
- JK Total = $(AI^2 + AII^2 + \dots + FIH^2) - FK$
= $(7,579^2 + 8,996^2 + \dots + 8,474^2) - 1385,97615$
= 96,598
- JK Eror = JK Total – JK Perlakuan – JK Blok
= $X - 31,282 - 11,610 = 53,706$
- RK Perlakuan = JK Perlakuan/db Perlakuan = $31,282/5 = 6,256$
- RK Blok = JK Blok/db Blok

$$= 11,610/2 = 5,805$$

- RK Error = JK Error/db Error
 $= 53,706/10 = 5,371$
- FH Perlakuan = RK Perlakuan/RK Error
 $= 6,256/5,371 = 1,165$

Sumber Keragaman	db	JK	RK	F Hit	F Tabel	
					0,05	0,01
Perlakuan	5	31,282	6,256	1,165 ^{tn}	3,326	5,636
Blok	2	11,610	5,805			
Error	10	53,706	5,371			
Total	17	96,598				

Keterangan: tn = tidak berbeda nyata

* = berbeda nyata

** = berbeda sangat nyata

Perlakuan	Rerata	SD
A	10,8	4,42
B	9,4	0,84
C	7,0	2,21
D	7,2	2,61
E	8,9	0,32
F	9,4	0,77

Lampiran 18. Surat Kode Etik Penelitian

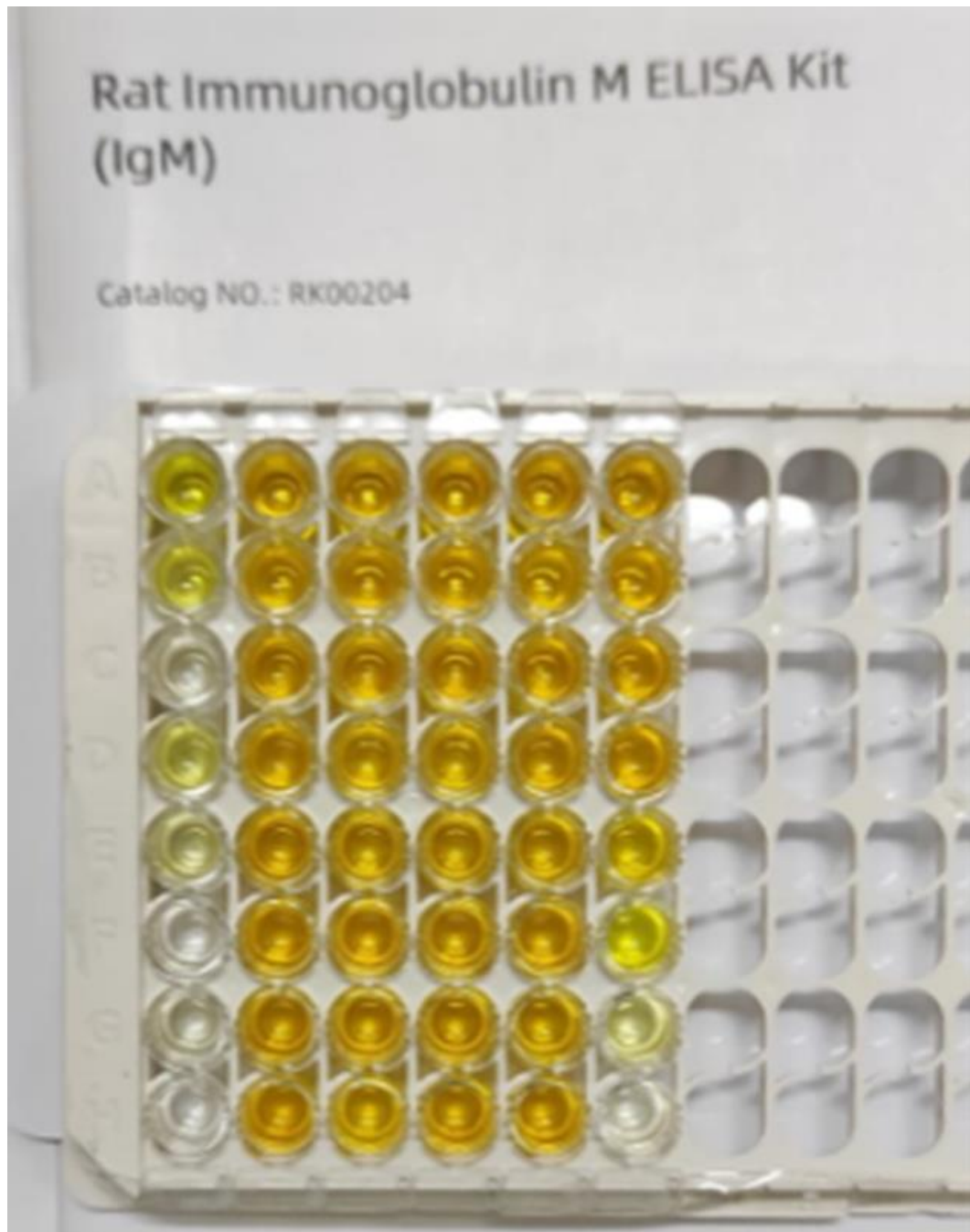
	MEDICAL AND HEALTH RESEARCH ETHICS COMMITTEE (MHREC) FACULTY OF MEDICINE, PUBLIC HEALTH AND NURSING UNIVERSITAS GADJAH MADA – DR. SARDJITO GENERAL HOSPITAL				
ETHICS COMMITTEE APPROVAL					
Ref. No. : KE/FK/0218/EC/2022					
Title of the Research Protocol	: Suplementasi Monolaurin dari Palm Kernel Oil pada Tablet Effervescent Sinbiotik Iles-Iles Sebagai Komponen Penguat Sistem Imun				
Document(s) Approved and version	: Study Protocol version 02 2022				
Principle Investigator	: Ngatirah				
Participating Investigator	: Adi Ruswanto				
Date of Approval	: 02 MAR 2022 (Valid for one year beginning from the date of approval)				
Institution(s)/place(s) of research	: LPPT UGM				
The Medical and Health Research Ethics Committee (MHREC) states that the document above meets the ethical principle outlined in the International and National Guidelines on ethical standards and procedures for researches involving animal. The Medical and Health Research Ethics Committee (MHREC) has the right to monitor the research activities at any time. The investigator(s) is/are obliged to submit: ☒ Progress report as a continuing review (state its due time) ☒ Report of any serious events ☒ Final report upon the completion of the study					
 Prof. dr. Madarina Julia, Sp.A(K), MPH., Ph.D. Panel's chairperson	 Dr. dr. Shinta Prawitasari, M.Kes., Sp. OG(K). Panel's secretary				
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%; padding: 5px;"> P.S: This letter uses signature scan of the panel's chairperson and Secretary of the Ethics Committee. The hardcopy official letter with authority's signature will be issued when it is possible and are kept as an archive of the Ethics Committee </td> <td style="width: 20%; padding: 5px;"> Validation number : 621dc890dc859 (http://komisietk.fk.ugm.ac.id/validasi) </td> <td style="width: 20%; text-align: center; padding: 5px;">  </td> </tr> </table>			P.S: This letter uses signature scan of the panel's chairperson and Secretary of the Ethics Committee. The hardcopy official letter with authority's signature will be issued when it is possible and are kept as an archive of the Ethics Committee	Validation number : 621dc890dc859 (http://komisietk.fk.ugm.ac.id/validasi)	
P.S: This letter uses signature scan of the panel's chairperson and Secretary of the Ethics Committee. The hardcopy official letter with authority's signature will be issued when it is possible and are kept as an archive of the Ethics Committee	Validation number : 621dc890dc859 (http://komisietk.fk.ugm.ac.id/validasi)				
<i>Recognized by Forum for Ethical Review Committees in Asia and the Western Pacific (FERCAP)</i> 1-Mar-22					

Lampiran 19. Hasil Pengukuran Kadar IgM

No	Kode sampel		Pengukuran (O	Kadar ng/mL	dikalikan 40 ng/mL	Kadar ug/mL
1	Tanggal 18 April 2022	A 1	3,7746	98,804	3952,179	3,952
2		A 2	3,5894	75,836	3033,435	3,033
3		A 3	3,6914	87,732	3509,276	3,509
4		B 1	3,5104	67,743	2709,701	2,710
5		B 2	3,4855	65,375	2615,008	2,615
6		B 3	3,7493	95,297	3811,886	3,812
7		C 1	3,663	84,244	3369,750	3,370
8		C 2	3,6403	81,556	3262,226	3,262
9		C 3	3,6047	77,512	3100,467	3,100
10		D 1	3,838	108,171	4326,844	4,327
11		D 2	3,526	69,269	2770,767	2,771
12		D 3	3,4649	63,479	2539,173	2,539
13		E 1	3,392	57,201	2288,040	2,288
14		E 2	3,7368	93,611	3744,421	3,744
15		E 3	3,7992	102,338	4093,539	4,094
16		F 1	3,5659	73,332	2933,289	2,933
17		F 2	3,8549	110,814	4432,578	4,433
18		F 3	3,7526	95,747	3829,899	3,830
19	Tanggal 25 April 2022	A 1	3,6744	85,627	3425,078	3,425
20		A 2	3,4275	60,177	2407,069	2,407
21		A 3	3,4392	61,191	2447,640	2,448
22		B 1	3,461	63,127	2525,066	2,525
23		B 2	3,6456	82,175	3287,020	3,287
24		B 3	3,8127	104,331	4173,252	4,173
25		C 1	3,7317	92,931	3717,239	3,717
26		C 2	3,4272	60,151	2406,038	2,406
27		C 3	3,3804	56,261	2250,436	2,250
28		D 1	3,7297	92,666	3706,634	3,707
29		D 2	3,5698	73,742	2949,677	2,950
30		D 3	3,7611	96,917	3876,689	3,877
31		E 1	3,5595	72,665	2906,592	2,907
32		E 2	3,7526	95,747	3829,899	3,830
33		E 3	3,6891	87,444	3497,765	3,498
34		F 1	3,5292	69,587	2783,462	2,783
35		F 2	3,7081	89,850	3594,004	3,594
36		F 3	3,5811	74,942	2997,679	2,998
		cek	2,8	24,554	dekat dg 20	

Lampiran 20. Hasil Pengukuran Kadar IgG

No	Kode sampel		Pengukuran (OD)	Kadar ng/mL	dikalikan 100 ng/mL	Kadar ug/mL
1	Tanggal 18 April 2022	A 1	2,4767	140,732	14073,236	14,073
2		A 2	2,3356	117,054	11705,363	11,705
3		A 3	2,3519	119,571	11957,148	11,957
4		B 1	2,2196	100,602	10060,243	10,060
5		B 2	2,3118	113,472	11347,217	11,347
6		B 3	2,2844	109,484	10948,447	10,948
7		C 1	2,254	105,224	10522,394	10,522
8		C 2	2,1538	92,320	9232,033	9,232
9		C 3	2,3445	118,422	11842,176	11,842
10		D 1	2,0899	84,930	8493,049	8,493
11		D 2	2,0498	80,598	8059,821	8,060
12		D 3	2,2285	101,778	10177,828	10,178
13		E 1	2,0264	78,173	7817,299	7,817
14		E 2	1,824	60,019	6001,892	6,002
15		E 3	1,9014	66,401	6640,135	6,640
16		F 1	2,1381	90,447	9044,714	9,045
17		F 2	2,2827	109,242	10924,173	10,924
18		F 3	2,1623	93,351	9335,061	9,335
19	Tanggal 25 April 2022	A 1	2,0027	75,791	7579,105	7,579
20		A 2	2,134	89,964	8996,426	8,996
21		A 3	2,5676	158,467	15846,659	15,847
22		B 1	2,2147	99,961	9996,086	9,996
23		B 2	2,1957	97,512	9751,159	9,751
24		B 3	2,0839	84,268	8426,775	8,427
25		C 1	2,0835	84,224	8422,375	8,422
26		C 2	1,5941	44,456	4445,556	4,446
27		C 3	2,0545	81,094	8109,433	8,109
28		D 1	1,6418	47,312	4731,228	4,731
29		D 2	1,9438	70,181	7018,097	7,018
30		D 3	2,2104	99,401	9940,122	9,940
31		E 1	2,1537	92,308	9230,828	9,231
32		E 2	2,1109	87,291	8729,139	8,729
33		E 3	2,1036	86,463	8646,335	8,646
34		F 1	2,1962	97,575	9757,527	9,758
35		F 2	2,2033	98,484	9848,401	9,848
36		F 3	2,0882	84,742	8474,218	8,474

Lampiran 21. Hasil Elisa Kadar IgM

Lampiran 22. Hasil Elisa Kadar IgG

Lampiran 23. Dokumentasi Kegiatan



Proses penimbangan bahan-bahan yang diperlukan.



Proses penguapan ter-butanol.



Proses vakum monolaurin



Monolaurin yang telah dihasilkan



Monolaurin yang telah dienkapsulasi



Proses pencetakan tablet *effervescent*



Tablet *effervescent* sinbiotik illes-iles yang telah siap untuk digunakan



Proses pembuatan biomassa *S. aureus*



Kondisi pemeliharaan tikus putih



Proses cekok pada tikus putih untuk menginjeksi *S. aureus* dan tablet *effervescent* yang telah dilarutkan



Penimbangan tikus putih menggunakan timbangan analitik untuk analisis berat badan



Feses tikus putih dalam kondisi padat



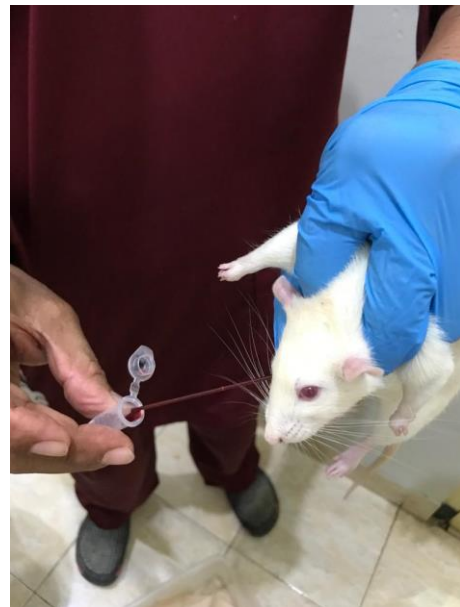
Anus tikus yang mengalami diare
(ditunjukkan dengan banyak bekas
feses encer pada anus)



Kondisi anus tikus yang sehat



Proses pembiusan tikus dengan xyla
dan ketamin sebelum pengambilan
darah



Proses pengambilan darah tikus pada
bagian *plexus orbitalis*



Proses bedah tikus putih untuk mengambil organ pencernaan



Organ pencernaan tikus putih