

LAMPIRAN

Lampiran 1. Perhitungan Aktivitas Makan

Ulangan	Perlakuan		
	P0	P1	P2
	------(g/hari)-----		
U1	292,50	295,00	242,50
U2	270,00	275,00	315,00
U3	335,00	285,00	280,00
U4	277,50	335,00	290,00
U5	285,00	297,50	262,50
U6	297,50	252,50	250,00
Total	1757,50	1740,00	1640,00
Rata-rata	292,92	290,00	273,33

Perhitungan Uji ANOVA

Perlakuan (t) = 3

Ulangan (r) = 6

Derajat Bebas (db) total = (rt) – 1
= (6 x 3) – 1
= 17

db perlakuan = t – 1
= 3 – 1
= 2

db kelompok = r – 1
= 6 – 1
= 5

db galat = t (r - 1)
= 3 (6 – 1)

Lampiran 1. (lanjutan)

$$= 15$$

$$\text{Faktor Koreksi (FK)} = \frac{G^2}{n}$$

$$= \frac{5137.50^2}{18}$$

$$= 1466328.12$$

$$\text{Jumlah Kuadrat Total (X)} = \sum X_i^2 - \text{FK}$$

$$= \{(292.50)^2 + \dots + (250.00)^2\} - 1466328.12$$

$$= 11390.63$$

$$\text{JK Perlakuan (T)} = \frac{\sum T_i^2}{r} - \text{FK}$$

$$= \frac{(1757.50)^2 + (1740.00)^2 + (1640.00)^2}{6} - 1466328.12$$

$$= 1339.58$$

$$\text{JK Galat (G)} = \text{JK (X)} - \text{JK (T)}$$

$$= 11390.63 - 1339.58$$

$$= 10051,04$$

$$\text{KT Perlakuan (P)} = \frac{\text{JK (T)}}{t-1}$$

$$= \frac{1339,58}{3-1}$$

$$= 669,79$$

$$\text{KT Galat (G)} = \frac{\text{JK (G)}}{t(r-1)}$$

$$= \frac{10051,04}{3(6-1)}$$

Lampiran 1. (lanjutan)

$$= 670.07$$

$$F_{\text{hit}} = \frac{KT(P)}{KT(G)}$$

$$= \frac{669.79}{670.07}$$

$$= 1.00$$

Tabel Analisis Varians

Sumber Keragaman	db	JK	KT	F.hit	F.tabel	
					5%	1%
Perlakuan	2	1339,583	669,792	1,00 ^{ns}	3,68	6,36
Galat	15	10051,042	670,069			
Total	17	11390,625	1339,861			

Simpulan :

F hitung lebih kecil dari f tabel, hal ini menunjukkan bahwa tidak berpengaruh nyata ($P > 0,05$) terhadap aktivitas makan.

$$\text{Rataan Total} = \frac{G}{n}$$

$$= \frac{5137,50}{18}$$

$$= 258,42$$

$$CV = \frac{\sqrt{KT \text{ Galat}}}{\text{rataan total}} \times 100\%$$

$$= \frac{\sqrt{670.07}}{258,42} \times 100\%$$

$$= 9,07\%$$

Lampiran 2. Perhitungan Aktivitas Ruminasi

Ulangan	Perlakuan		
	P0	P1	P2
	----- (menit/hari) -----		
U1	422,50	427,50	440,00
U2	422,50	365,50	312,50
U3	360,00	427,50	410,00
U4	457,50	370,00	345,00
U5	487,50	352,50	380,00
U6	475,00	402,50	417,50
Total	2625,00	2345,50	2305,00
Rata-rata	437,50	390,83	384,17

Perhitungan Uji ANOVA

$$\text{Perlakuan (t)} = 3$$

$$\text{Ulangan (r)} = 6$$

$$\begin{aligned} \text{Derajat Bebas (db) total} &= (rt) - 1 \\ &= (6 \times 3) - 1 \\ &= 17 \end{aligned}$$

$$\begin{aligned} \text{db perlakuan} &= t - 1 \\ &= 3 - 1 \\ &= 2 \end{aligned}$$

$$\begin{aligned} \text{db kelompok} &= r - 1 \\ &= 6 - 1 \\ &= 5 \end{aligned}$$

$$\begin{aligned} \text{db galat} &= t (r - 1) \\ &= 3 (6 - 1) \\ &= 15 \end{aligned}$$

Lampiran 2. (lanjutan)

$$\begin{aligned}
 \text{Faktor Koreksi (FK)} &= \frac{G^2}{n} \\
 &= \frac{7275,50^2}{18} \\
 &= 2940716,68
 \end{aligned}$$

$$\begin{aligned}
 \text{Jumlah Kuadrat Total (X)} &= \sum X_i^2 - FK \\
 &= \{(422,50)^2 + \dots + (417,50)^2\} - 2940716,681 \\
 &= 37836,07
 \end{aligned}$$

$$\begin{aligned}
 \text{JK Perlakuan (T)} &= \frac{\sum T_i^2}{r} - FK \\
 &= \frac{(2625,00)^2 + (2345,50)^2 + (2305,00)^2}{6} - 2940716,681 \\
 &= 10120,02
 \end{aligned}$$

$$\begin{aligned}
 \text{JK Galat (G)} &= \text{JK (X)} - \text{JK (T)} \\
 &= 37836,07 - 10120,02 \\
 &= 27716,04
 \end{aligned}$$

$$\begin{aligned}
 \text{KT Perlakuan (P)} &= \frac{\text{JK (T)}}{t-1} \\
 &= \frac{10120,028}{3-1} \\
 &= 5060,01
 \end{aligned}$$

$$\begin{aligned}
 \text{KT Galat (G)} &= \frac{\text{JK (G)}}{t(r-1)} \\
 &= \frac{27716,04}{3(6-1)}
 \end{aligned}$$

Lampiran 2. (lanjutan)

$$= 1847,73$$

$$F_{\text{hit}} = \frac{KT(P)}{KT(G)}$$

$$= \frac{5060,01}{1847,73}$$

$$= 2,73$$

Tabel Analisis Varians

Sumber Keragaman	db	JK	KT	F _{hit}	F _{tabel}	
					5%	1%
Perlakuan	2	10120,03	5060,01	2,74 ^{ns}	3,68	6,36
Galat	15	27716,04	1847,74			
Total	17	37836,07	6907,75			

Simpulan :

F hitung lebih kecil dari f tabel, hal ini menunjukkan bahwa tidak berpengaruh nyata ($P > 0,05$) terhadap aktivitas ruminasi,

$$\text{Rataan Total} = \frac{G}{n}$$

$$= \frac{7275,50}{18}$$

$$= 404,19$$

$$CV = \frac{\sqrt{KT_{\text{Galat}}}}{\text{rataan total}} \times 100\%$$

$$= \frac{\sqrt{1847,74}}{404,19} \times 100\%$$

$$= 10,63\%$$

Lampiran 3. Perhitungan Aktivitas Mengunyah

Ulangan	Perlakuan		
	P0	P1	P2
	------(menit/hari)-----		
U1	715,00	722,50	682,50
U2	692,50	640,00	627,50
U3	695,00	712,50	690,00
U4	735,00	705,00	635,00
U5	772,50	650,00	642,50
U6	772,50	655,00	667,50
Total	4382,50	4085,00	3945,00
Rata-rata	730,42	680,83	657,50

Perhitungan Uji ANOVA

$$\text{Perlakuan (t)} = 3$$

$$\text{Ulangan (r)} = 6$$

$$\begin{aligned} \text{Derajat Bebas (db) total} &= (rt) - 1 \\ &= (6 \times 3) - 1 \\ &= 17 \end{aligned}$$

$$\begin{aligned} \text{db perlakuan} &= t - 1 \\ &= 3 - 1 \\ &= 2 \end{aligned}$$

$$\begin{aligned} \text{db kelompok} &= r - 1 \\ &= 6 - 1 \\ &= 5 \end{aligned}$$

$$\begin{aligned} \text{db galat} &= t (r - 1) \\ &= 3 (6 - 1) \\ &= 15 \end{aligned}$$

Lampiran 3. (lanjutan)

$$\begin{aligned}
 \text{Faktor Koreksi (FK)} &= \frac{G^2}{n} \\
 &= \frac{12412,50^2}{18} \\
 &= 8559453,13
 \end{aligned}$$

$$\begin{aligned}
 \text{Jumlah Kuadrat Total (X)} &= \sum X_i^2 - FK \\
 &= \{(715,00)^2 + \dots + (667,50)^2\} - 8559453,13 \\
 &= 33153,13
 \end{aligned}$$

$$\begin{aligned}
 \text{JK Perlakuan (T)} &= \frac{\sum T_i^2}{r} - FK \\
 &= \frac{(4382,50)^2 + (4085,00)^2 + (3945,00)^2}{6} - 8559453,13 \\
 &= 16639,58
 \end{aligned}$$

$$\begin{aligned}
 \text{JK Galat (G)} &= \text{JK (X)} - \text{JK (T)} \\
 &= 33153,13 - 16639,58 \\
 &= 16513,54
 \end{aligned}$$

$$\begin{aligned}
 \text{KT Perlakuan (P)} &= \frac{\text{JK (T)}}{t-1} \\
 &= \frac{16639,58}{3-1} \\
 &= 8319,79
 \end{aligned}$$

$$\begin{aligned}
 \text{KT Galat (G)} &= \frac{\text{JK (G)}}{t(r-1)} \\
 &= \frac{16513,54}{3(6-1)}
 \end{aligned}$$

Lampiran 3. (lanjutan)

$$= 1100,90$$

$$F_{\text{hit}} = \frac{KT(P)}{KT(G)}$$

$$= \frac{8319,79}{1100,90}$$

$$= 7,56$$

Tabel Analisis Varians

Sumber Keragaman	db	JK	KT	F _{hit}	F _{tabel}	
					5%	1%
Perlakuan	2	16639,58	8319,79	7,56	3,68	6,36
Galat	15	16513,54	1100,90			
Total	17	33153,13	9420,69			

Simpulan :

F hitung lebih besar dari f table, hal ini menunjukkan bahwa berpengaruh nyata ($P < 0,05$) terhadap aktivitas menguyah,

$$\text{Rataan Total} = \frac{G}{n}$$

$$= \frac{12412,50}{18}$$

$$= 689,58$$

$$CV = \frac{\sqrt{KT \text{ Galat}}}{\text{rataan total}} \times 100\%$$

$$= \frac{\sqrt{1100,90}}{689,58} \times 100\%$$

$$= 4,81\%$$

Lampiran 3. (lanjutan)

Uji Duncan

Perlakuan	N	alpha = 0,05	
		1	2
P2	6	657,5000	
P0	6	680,8333	
P1	6		730,4167
Sig		242	1,000

Lampiran 4. Perhitungan Aktivitas Berbaring

Ulangan	Perlakuan		
	P0	P1	P2
	----- (menit/hari) -----		
U1	780,00	745,00	742,50
U2	667,50	685,00	235,00
U3	132,00	712,50	727,50
U4	767,50	455,00	113,00
U5	730,00	712,50	650,00
U6	717,50	710,00	735,00
Total	4982,50	4020,00	4220,00
Rata-rata	830,42	670,00	703,33

Perhitungan Uji ANOVA

$$\text{Perlakuan (t)} = 3$$

$$\text{Ulangan (r)} = 6$$

$$\begin{aligned} \text{Derajat Bebas (db) total} &= (rt) - 1 \\ &= (6 \times 3) - 1 \\ &= 17 \end{aligned}$$

$$\begin{aligned} \text{db perlakuan} &= t - 1 \\ &= 3 - 1 \\ &= 2 \end{aligned}$$

$$\begin{aligned} \text{db kelompok} &= r - 1 \\ &= 6 - 1 \\ &= 5 \end{aligned}$$

$$\begin{aligned} \text{db galat} &= t (r - 1) \\ &= 3 (6 - 1) \end{aligned}$$

Lampiran 4. (lanjutan)

$$= 15$$

$$\text{Faktor Koreksi (FK)} = \frac{G^2}{n}$$

$$= \frac{13222,50^2}{18}$$

$$= 9713028,12$$

$$\text{Jumlah Kuadrat Total (X)} = \sum X_i^2 - FK$$

$$= \{(780,00)^2 + \dots + (735,00)^2\} - 9713028,12$$

$$= 846190,62$$

$$\text{JK Perlakuan (T)} = \frac{\sum T_i^2}{r} - FK$$

$$= \frac{(4982,50)^2 + (4020,00)^2 + (4220,00)^2}{6} - 9713028,12$$

$$= 85989,58$$

$$\text{JK Galat (G)} = \text{JK (X)} - \text{JK (T)}$$

$$= 846190,62 - 85989,58$$

$$= 760201,04$$

$$\text{KT Perlakuan (P)} = \frac{\text{JK (T)}}{t-1}$$

$$= \frac{85989,58}{3-1}$$

$$= 42994,79$$

$$\text{KT Galat (G)} = \frac{\text{JK (G)}}{t(r-1)}$$

$$= \frac{760201,04}{3(6-1)}$$

Lampiran 4. (lanjutan)

$$= 50680,06$$

$$\begin{aligned} F_{\text{hit}} &= \frac{KT(P)}{KT(G)} \\ &= \frac{42994,79}{50680,06} \\ &= 0,848 \end{aligned}$$

Tabel Analisis Varians

Sumber Keragaman	db	JK	KT	F, hit	F, tabel	
					5%	1%
Perlakuan	2,00	85989,58	42994,79	0,85	3,68	6,36
Galat	15,00	760201,04	50680,07			
Total	17,00	846190,63	93674,86			

Simpulan :

F hitung lebih kecil dari f tabel, hal ini menunjukkan bahwa tidak berpengaruh nyata ($P > 0,05$) terhadap aktivitas berbaring,

$$\begin{aligned} \text{Rataan Total} &= \frac{G}{n} \\ &= \frac{13222,50}{18} \\ &= 734,58 \end{aligned}$$

$$\begin{aligned} CV &= \frac{\sqrt{KT \text{ Galat}}}{\text{rataan total}} \times 100\% \\ &= \frac{\sqrt{50680,07}}{734,58} \times 100\% \\ &= 30,65\% \end{aligned}$$

Lampiran 5. Perhitungan Tingkah Laku Ternak Berdiri

Ulangan	Perlakuan		
	P0	P1	P2
	----- (menit/hari) -----		
U1	660,00	695,00	697,50
U2	772,50	755,00	1205,00
U3	1425,00	727,50	712,50
U4	672,50	985,00	1605,00
U5	710,00	727,50	790,00
U6	722,50	705,00	705,00
Total	4962,50	4595,00	5715,00
Rata-rata	827,08	765,83	952,50

Perhitungan Uji ANOVA

$$\text{Perlakuan (t)} = 3$$

$$\text{Ulangan (r)} = 6$$

$$\begin{aligned} \text{Derajat Bebas (db) total} &= (rt) - 1 \\ &= (6 \times 3) - 1 \\ &= 17 \end{aligned}$$

$$\begin{aligned} \text{db perlakuan} &= t - 1 \\ &= 3 - 1 \\ &= 2 \end{aligned}$$

$$\begin{aligned} \text{db kelompok} &= r - 1 \\ &= 6 - 1 \\ &= 5 \end{aligned}$$

$$\begin{aligned} \text{db galat} &= t (r - 1) \\ &= 3 (6 - 1) \\ &= 15 \end{aligned}$$

$$\begin{aligned} \text{FK} &= \frac{G^2}{n} \\ &= \frac{15272,50^2}{18} \\ &= 12958292,01 \end{aligned}$$

Lampiran 5. (lanjutan)

$$\begin{aligned}
 \text{JK (X)} &= \sum X_i^2 - FK \\
 &= \{(660,00)^2 + \dots + (705,00)^2\} - 12958292,01 \\
 &= 1305201,73 \\
 \text{JK (T)} &= \frac{\sum T_i^2}{r} - FK \\
 &= \frac{(4962,50)^2 + (4595,00)^2 + (5715,00)^2}{6} - 1305201,73 \\
 &= 108650,69 \\
 \text{JK (G)} &= \text{JK (X)} - \text{JK (T)} \\
 &= 1305201,73 - 108650,69 \\
 &= 1196551,04 \\
 \text{KT Perlakuan} &= \frac{\text{JK (T)}}{t-1} \\
 &= \frac{108650,69}{2} \\
 &= 54325,34 \\
 \text{KT Galat} &= \frac{\text{JK (G)}}{t(r-1)} \\
 &= \frac{1196551,04}{3(6-1)} \\
 &= 79770,06 \\
 \text{F hitung} &= \frac{\text{KT (P)}}{\text{KT (G)}} \\
 &= \frac{54325,34}{79770,06} \\
 &= 0,68
 \end{aligned}$$

Lampiran 5. (lanjutan)

Tabel Analisis Varians

Sumber Keragaman	Db	JK	KT	F, hit	F, tabel	
					5%	1%
Perlakuan	2	108650,69	54325,35	0,68	3,68	6,36
Galat	15	1196551,04	79770,07			
Total	17	1305201,74	134095,42			

Simpulan :

F hitung lebih kecil dari f tabel, hal ini menunjukkan bahwa tidak berpengaruh nyata ($P > 0,05$) terhadap tingkah laku ternak berdiri,

$$\begin{aligned}
 \text{Rataan total} &= \frac{G}{n} \\
 &= \frac{15272,50}{18} \\
 &= 848,47
 \end{aligned}$$

$$\begin{aligned}
 \text{CV} &= \frac{\sqrt{KT \text{ Galat}}}{\text{rataan total}} \times 100\% \\
 &= \frac{\sqrt{79770,07}}{848,47} \times 100\% \\
 &= 33,29\%
 \end{aligned}$$

Lampiran 6. Perhitungan Kegiatan Minum

Ulangan	Perlakuan		
	P0	P1	P2
	----- (menit/hari) -----		
U1	137,50	82,50	97,50
U2	85,00	110,00	95,00
U3	180,00	87,50	117,50
U4	82,50	97,50	165,00
U5	110,00	112,50	97,50
U6	97,50	75,00	110,00
Total	692,50	565,00	682,50
Rata-rata	115,42	94,17	113,75

Perhitungan Uji ANOVA

$$\text{Perlakuan (t)} = 3$$

$$\text{Ulangan (r)} = 6$$

$$\begin{aligned} \text{Derajat Bebas (db) total} &= (rt) - 1 \\ &= (6 \times 3) - 1 \\ &= 17 \end{aligned}$$

$$\begin{aligned} \text{db perlakuan} &= t - 1 \\ &= 3 - 1 \\ &= 2 \end{aligned}$$

$$\begin{aligned} \text{db kelompok} &= r - 1 \\ &= 6 - 1 \\ &= 5 \end{aligned}$$

$$\begin{aligned} \text{db galat} &= t (r - 1) \\ &= 3 (6 - 1) \\ &= 15 \end{aligned}$$

$$\begin{aligned} \text{FK} &= \frac{G^2}{n} \\ &= \frac{1940,00^2}{18} \\ &= 209088,88 \end{aligned}$$

Lampiran 6. (lanjutan)

$$\begin{aligned}\text{JK (X)} &= \sum X_i^2 - FK \\ &= \{(137,50)^2 + \dots + (110,00)^2\} - 209088,88 \\ &= 13373,61\end{aligned}$$

$$\begin{aligned}\text{JK (T)} &= \frac{\sum T_i^2}{r} - FK \\ &= \frac{(692,50)^2 + (565,00)^2 + (682,50)^2}{6} - 13373,61 \\ &= 1675,69\end{aligned}$$

$$\begin{aligned}\text{JK (G)} &= \text{JK (X)} - \text{JK (T)} \\ &= 13373,61 - 1675,69 \\ &= 11697,917\end{aligned}$$

$$\begin{aligned}\text{KT Perlakuan} &= \frac{\text{JK (T)}}{t-1} \\ &= \frac{1675,69}{2} \\ &= 837,84\end{aligned}$$

$$\begin{aligned}\text{KT Galat} &= \frac{\text{JK (G)}}{t(r-1)} \\ &= \frac{11697,917}{3(6-1)} \\ &= 779,86\end{aligned}$$

$$\begin{aligned}\text{F hitung} &= \frac{\text{KT (P)}}{\text{KT (G)}} \\ &= \frac{837,84}{779,86} \\ &= 1,07\end{aligned}$$

Lampiran 6. (lanjutan)

Tabel Analisis Varians

Sumber Keragaman	Db	JK	KT	F _{hit}	F _{tabel}	
					5%	1%
Perlakuan	2	1675,69	837,84	1,07	3,68	6,36
Galat	15	11697,91	779,86			
Total	17	13373,61	1617,70			

Simpulan :

F hitung lebih kecil dari f tabel, hal ini menunjukkan bahwa tidak berpengaruh nyata ($P > 0,05$) terhadap kegiatan minum,

$$\begin{aligned}
 \text{Rataan total} &= \frac{G}{n} \\
 &= \frac{1940,00}{18} \\
 &= 107,78
 \end{aligned}$$

$$\begin{aligned}
 \text{CV} &= \frac{\sqrt{KT \text{ Galat}}}{\text{rataan total}} \times 100\% \\
 &= \frac{\sqrt{779,861}}{107,78} \times 100\% \\
 &= 25,91\%
 \end{aligned}$$

Lampiran 7. Perhitungan Kegiatan Urinasi

Ulangan	Perlakuan		
	P0	P1	P2
	----- (menit/hari) -----		
U1	47,50	57,50	35,00
U2	50,00	60,00	52,50
U3	90,00	67,50	50,00
U4	55,00	40,00	105,00
U5	77,50	62,50	87,50
U6	62,50	65,00	60,00
Total	382,50	352,50	390,00
Rata-rata	63,75	58,75	65,00

Perhitungan Uji ANOVA

$$\begin{aligned}
 \text{Perlakuan (t)} &= 3 \\
 \text{Ulangan (r)} &= 6 \\
 \text{Derajat Bebas (db) total} &= (rt) - 1 \\
 &= (6 \times 3) - 1 \\
 &= 17 \\
 \text{db perlakuan} &= t - 1 \\
 &= 3 - 1 \\
 &= 2 \\
 \text{db kelompok} &= r - 1 \\
 &= 6 - 1 \\
 &= 5 \\
 \text{db galat} &= t (r - 1) \\
 &= 3 (6 - 1) \\
 &= 15 \\
 \text{FK} &= \frac{G^2}{n} \\
 &= \frac{1125,00^2}{18} \\
 &= 70312,50 \\
 \text{JK (X)} &= \sum Xi^2 - \text{FK}
 \end{aligned}$$

Lampiran 7. (lanjutan)

$$= \{(47,50)^2 + \dots + (60,00)^2\} - 70312,50$$

$$= 5437,50$$

$$\text{JK (T)} = \frac{\sum T_i^2}{r} - \text{FK}$$

$$= \frac{(382,50)^2 + (352,50)^2 + (390,00)^2}{6} - 5437,50$$

$$= 131,250$$

$$\text{JK (G)} = \text{JK (X)} - \text{JK (T)}$$

$$= 5437,50 - 131,250$$

$$= 5306,25$$

$$\text{KT Perlakuan} = \frac{\text{JK (T)}}{t-1}$$

$$= \frac{131,250}{2}$$

$$= 65,62$$

$$\text{KT Galat} = \frac{\text{JK (G)}}{t(r-1)}$$

$$= \frac{5306,25}{3(6-1)}$$

$$= 353,75$$

$$\text{F hitung} = \frac{\text{KT (P)}}{\text{KT (G)}}$$

$$= \frac{65,62}{353,75}$$

$$= 0,18$$

Lampiran 7. (lanjutan)

Tabel Analisis Varians

Sumber Keragaman	Db	JK	KT	F _{hit}	F _{tabel}	
					5%	1%
Perlakuan	2	131,25	65,63	0,19	3,68	6,36
Galat	15	5306,25	353,75			
Total	17	5437,50	419,38			

Simpulan :

F hitung lebih kecil dari f tabel, hal ini menunjukkan bahwa tidak berpengaruh nyata terhadap kegiatan urinasi,

$$\begin{aligned}
 \text{Rataan total} &= \frac{G}{n} \\
 &= \frac{1125,00}{18} \\
 &= 62,50
 \end{aligned}$$

$$\begin{aligned}
 \text{CV} &= \frac{\sqrt{KT \text{ Galat}}}{\text{rataan total}} \times 100\% \\
 &= \frac{\sqrt{353,75}}{62,50} \times 100\% \\
 &= 30,09\%
 \end{aligned}$$

Lampiran 8. Perhitungan Kegiatan Defekasi

Ulangan	Perlakuan		
	P0	P1	P2
	----- (menit/hari) -----		
U1	57,50	90,00	125,00
U2	82,50	107,50	142,50
U3	140,00	117,50	77,50
U4	105,00	72,50	165,00
U5	115,00	87,50	105,00
U6	80,00	107,50	85,00
Total	580,00	582,50	700,00
Rata-rata	96,67	97,08	116,67

Perhitungan Uji ANOVA

$$\text{Perlakuan (t)} = 3$$

$$\text{Ulangan (r)} = 6$$

$$\begin{aligned} \text{Derajat Bebas (db) total} &= (rt) - 1 \\ &= (6 \times 3) - 1 \\ &= 17 \end{aligned}$$

$$\begin{aligned} \text{db perlakuan} &= t - 1 \\ &= 3 - 1 \\ &= 2 \end{aligned}$$

$$\begin{aligned} \text{db kelompok} &= r - 1 \\ &= 6 - 1 \\ &= 5 \end{aligned}$$

$$\begin{aligned} \text{db galat} &= t (r - 1) \\ &= 3 (6 - 1) \\ &= 15 \end{aligned}$$

$$\begin{aligned} \text{FK} &= \frac{G^2}{n} \\ &= \frac{1862,50}{18} \\ &= 103,4722 \end{aligned}$$

$$\text{JK (X)} = \sum X_i^2 - \text{FK}$$

Lampiran 8. (lanjutan)

$$= \{ (57,50)^2 + \dots + (85,00)^2 \} - 192717,01$$

$$= 12989,23$$

$$\text{JK (T)} = \frac{\sum T_i^2}{r} - \text{FK}$$

$$= \frac{(580,00)^2 + (582,50)^2 + (700,00)^2}{6} - 192717,01$$

$$= 1567,36$$

$$\text{JK (G)} = \text{JK (X)} - \text{JK (T)}$$

$$= 12989,23 - 1567,36$$

$$= 11421,87$$

$$\text{KT Perlakuan} = \frac{\text{JK (T)}}{t-1}$$

$$= \frac{1567,36}{2}$$

$$= 783,68$$

$$\text{KT Galat} = \frac{\text{JK (G)}}{t(r-1)}$$

$$= \frac{11421,87}{3(6-1)}$$

$$= 761,45$$

$$\text{F hitung} = \frac{\text{KT (P)}}{\text{KT (G)}}$$

$$= \frac{783,68}{761,45}$$

$$= 1,02$$

Tabel Analisis Varians

Sumber Keragaman	Db	JK	KT	F, hit	F, tabel	
					5%	1%
Perlakuan	2	1567,36	783,68	1,03	3,68	6,36
Galat	15	11421,88	761,46			
Total	17	12989,24	1545,14			

Lampiran 8. (lanjutan)

Simpulan :

F hitung lebih kecil dari f tabel, hal ini menunjukkan bahwa tidak berpengaruh nyata ($P > 0,05$) terhadap kegiatan defekasi,

$$\begin{aligned}\text{Rataan total} &= \frac{G}{n} \\ &= \frac{1862,50}{18} \\ &= 103,47\end{aligned}$$

$$\begin{aligned}\text{CV} &= \frac{\sqrt{KT \text{ Galat}}}{\text{rataan total}} \times 100\% \\ &= \frac{\sqrt{761,46}}{103,47} \times 100\% \\ &= 26,67\%\end{aligned}$$

RIWAYAT HIDUP



Penulis lahir di Semarang, Jawa Tengah pada tanggal 08 September 2001, putra kedua dari Alm, Bapak Suprpto dan Ibu Aningwidyaarini, Pendidikan Sekolah Dasar di SDN 03 Ketileng Semarang tamat tahun 2014, Sekolah Menengah Pertama di SMPN 39 Semarang dan tamat pada tahun 2017 serta pendidikan Sekolah Menengah Atas di SMA Institut Indonesia Semarang diselesaikan pada tahun 2020 pada jurusan IPA,

Tahun 2020 penulis melanjutkan Pendidikan di Universitas Diponegoro Semarang pada Program Studi S-1 Peternakan, Departemen Peternakan, Fakultas Peternakan dan Pertanian,