

Lampiran 1. Data Berat Badan Ayam

Tabel 4. Data Berat Awal dan Akhir Ayam

Perlakuan	Hasil Pengamatan		
	Berat Awal (Hari ke-1)	Berat Akhir (Hari ke-14)	
-----gram-----			
P0 :	A	230,50	441,30
	B	258,25	445,25
	C	278,45	440,35
P1 :	A	258,50	439,40
	B	245,22	443,25
	C	272,16	451,10
P2 :	A	253,20	475,21
	B	255,18	482,15
	C	262,50	489,45
P3 :	A	245,20	521,20
	B	282,40	517,45
	C	246,15	531,27
P4 :	A	250,27	524,10
	B	268,00	525,35
	C	257,25	529,50

Lampiran 2. Perhitungan Berat Badan Ayam

Tabel 5. Perhitungan Analisis Varian Berat Badan Awal Ayam (dalam kg.)

Perlakuan	Ulangan			ΣX	\bar{X}	$(\Sigma X)^2$
	1	2	3			
P0	0,230	0,258	0,278	0,766	0,255	0,586
P1	0,258	0,245	0,272	0,775	0,258	0,600
P2	0,253	0,255	0,262	0,770	0,260	0,592
P3	0,245	0,282	0,246	0,773	0,257	0,597
P4	0,250	0,268	0,257	0,775	0,258	0,601
Jumlah				3,849		2,976

$$FK = \frac{(\Sigma(\Sigma X))^2}{15} = \frac{3,849^2}{15} = 0,9876$$

$$JKP = \frac{(\Sigma(\Sigma X)^2 : 3)}{3} - FK = (2,976 : 3) - FK = 0,0044$$

$$JKT = (2,30^2 + 2,58^2 + \dots + 2,57^2) - FK = 1,0003 - FK = 0,0127$$

$$JKG = JKT - JKP = 0,0083$$

$$KTP = JKP : 4 = 0,00110$$

$$KTG = JKG : 10 = 0,00083$$

ANOVA

Sumber Keragaman	DB	JK	KT	F Hit.	F Tabel (0,05)
Perlakuan	4	0,0044	0,00110	1,32	3.48
Galat	10	0,0083	0,00083		
Total	14	0,0127			

Keterangan : F Hitung < F Tabel, berarti berbeda tidak nyata

Tabel 6. Perhitungan Analisis Varian Berat Badan Akhir Ayam Setelah 14 hari Perlakuan (dalam kg.)

Perlakuan	Ulangan			ΣX	\bar{X}	$(\Sigma X)^2$
	1	2	3			
P0	0,441	0,445	0,440	1,326	0,442	1,7583
P1	0,439	0,443	0,451	1,332	0,444	1,7742
P2	0,475	0,482	0,489	1,446	0,482	2,0910
P3	0,521	0,517	0,531	1,569	0,523	2,4617
P4	0,524	0,525	0,529	1,578	0,526	2,4900
Jumlah				7,251		10,5752

$$FK = \{\Sigma(\Sigma X)\}^2 : 15 = 72,51^2 : 15 = 3,5051$$

$$JKP = \{\Sigma(\Sigma X)^2 : 3\} - FK = (1057,52 : 3) - FK = 0,02$$

$$JKT = (4,41^2 + 4,45^2 + \dots + 5,29^2) - FK = 3,5260 - FK = 0,0209$$

$$JKG = JKT - JKP = 0,0009$$

$$KTP = JKP : 4 = 0,005$$

$$KTG = JKG : 10 = 0,00009$$

ANOVA

Sumber Keragaman	DB	JK	KT	F Hit.	F Tabel (0,05)
Perlakuan	4	0,02	0,005	55,56	3,48
Galat	10	0,0009	0,00009		
Total	14	0,0209			

Keterangan : F Hitung > F Tabel, berarti berbeda nyata

Perhitungan Uji BNT Berat Badan Akhir Ayam Setelah 14 Hari Perlakuan

$$s_d = \sqrt{\frac{2 \cdot KTG}{3}} = \sqrt{\frac{2 \cdot 0,00009}{3}} = 0,00774$$

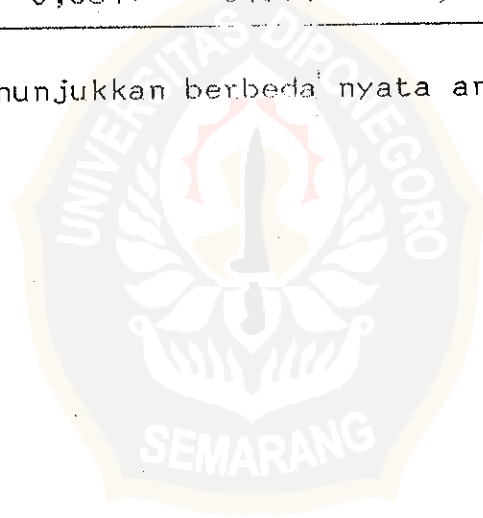
$$t_{(0,05)10} = 2,23$$

$$BNT = 2,23 \times 0,00774 = 0,017$$

Tabel 7. Hasil Uji BNT Berat Badan Akhir Ayam

Perlakuan	Mean	Selisih				P4
		P0	P1	P2	P3	
P0	0,442	—				
P1	0,444	0,002	—			
P2	0,482	0,040*	0,038*	—		
P3	0,523	0,081*	0,079*	0,041*	—	
P4	0,526	0,084*	0,082*	0,044*	0,003	—

Keterangan : * : Menunjukkan berbeda nyata antara 2 perlakuan



Lampiran 3.

Tabel 8. Data Konsumsi Pakan Rata-rata per Hari Selama 14 hari Perlakuan

Hari Ke-	Perlakuan				
	P0	P1	P2	P3	P4
	----- gram -----				
1	38,10	37,50	30,86	36,27	37,65
2	36,74	36,44	38,05	41,04	35,85
3	37,25	38,92	39,50	39,17	40,58
4	40,32	42,17	43,07	43,50	44,21
5	42,35	42,56	44,54	45,76	47,15
6	43,80	44,20	45,31	46,27	46,50
7	46,34	45,28	53,20	53,30	49,21
8	47,41	46,50	50,75	49,23	50,33
9	44,48	44,95	47,35	51,24	49,64
10	39,35	47,05	55,22	49,52	53,50
11	45,15	45,33	48,68	54,28	48,89
12	48,28	47,43	49,25	52,50	52,95
13	45,57	47,50	50,13	52,24	49,15
14	47,20	48,18	49,24	53,85	54,08

Keterangan :

*) Rata-rata pakan/hari tiap ayam selama 7 hari perlakuan :

P0 = 41,01 gram
 P1 = 40,70 gram
 P2 = 43,04 gram
 P3 = 42,61 gram
 P4 = 43,02 gram

*) Rata-rata pakan/hari tiap ayam selama 14 hari perlakuan :

P0 = 43,02 gram
 P1 = 43,86 gram
 P2 = 46,06 gram
 P3 = 47,72 gram
 P4 = 47,45 gram

Lampiran 4.

Tabel 9. Data Temperatur dan Kelembaban Selama Perlakuan Hari ke-1 hingga hari ke-14

Tanggal	Data	Waktu	Hasil Pengamatan / Hari						
			1	2	3	4	5	6	7
26 Nov.- 2 Des.	T(cel- cius)	07.00	25,0	25,0	25,1	24,5	25,0	25,2	25,0
		13.00	28,1	28,0	29,2	29,0	28,0	29,1	28,0
		20.00	26,5	27,0	27,0	25,6	26,5	27,0	26,0
	Kelem- baban(%)	07.00	75,1	76,0	72,0	74,5	73,0	74,0	73,0
		13.00	60,0	62,5	62,0	61,0	59,0	60,0	59,0
		20.00	74,0	73,0	68,0	66,5	68,0	70,0	67,0
3-9 De- semer	T(cel- cius)	07.00	25,5	26,0	25,5	24,5	25,0	25,1	25,0
		13.00	28,5	29,0	28,5	29,0	27,0	28,5	28,0
		20.00	26,0	26,0	27,0	25,5	26,0	27,0	26,0
	Kelem- baban(%)	07.00	72,0	73,0	73,0	72,0	74,0	71,0	73,0
		13.00	61,0	62,0	63,0	60,0	62,0	62,0	60,0
		20.00	73,0	73,0	72,0	72,0	73,0	69,0	68,0

Lampiran 5. Perhitungan Jumlah Eritrosit

Tabel 10. Perhitungan Analisis Varian Jumlah Eritrosit Selama 14 hari perlakuan (juta/mm³).

Perlakuan	Ulangan			ΣX	\bar{X}	$(\Sigma X)^2$
	1	2	3			
P0	2,21	2,16	2,23	6,60	2,20	43,56
P1	2,24	2,21	2,17	6,62	2,21	43,82
P2	2,63	2,62	2,71	7,96	2,65	63,36
P3	2,84	3,25	3,32	9,41	3,14	88,55
P4	3,23	2,91	3,33	9,47	3,16	89,58
Jumlah				40,06		328,87

$$FK = \{\Sigma(\Sigma X)\}^2 : 15 = 40,06^2 : 15 = 106,986$$

$$JKP = \{\Sigma(\Sigma X)^2 : 3\} - FK = (328,87 : 3) - FK = 2,637$$

$$JKT = (2,21 + 2,16 + \dots + 3,33) - FK = 109,893 - FK = 2,907$$

$$JKG = JKT - JKP = 0,27$$

$$KTP = JKP : 4 = 0,659$$

$$KTG = JKG : 10 = 0,027$$

ANOVA

Sumber Keragaman	DB	JK	KT	F Hit.	F Tabel (0,05)
Perlakuan	4	2,637	0,659	24,407	3,48
Galat	10	0,27	0,027		
Total	14	2,907			

Keterangan : F Hitung > F Tabel, berarti berbeda nyata

Perhitungan Uji BNT Jumlah Eritrosit Selama 14 Hari Perlakuan

$$Sd = \sqrt{\frac{2 \cdot KTG}{3}} = \sqrt{\frac{2 \cdot 0,027}{3}} = 0,134$$

$$t_{(0,05)10} = 2,23$$

$$BNT = 2,23 \times 0,134 = 0,298$$

Tabel 11. Hasil Uji BNT Jumlah Eritrosit

Perlakuan	Mean	P0	P1	Selisih P2	P3	P4
P0	2,20	—				
P1	2,21	0,01	—			
P2	2,65	0,45*	0,44*	—		
P3	3,14	0,94*	0,93*	0,49*	—	
P4	3,16	0,96*	0,95*	0,51*	0,02	—

Keterangan : * : Menunjukkan berbeda nyata antara 2 perlakuan

Keterangan : Perhitungan analisis varian dan uji lanjut BNT terhadap kadar hemoglobin dan nilai hematokrit selama 14 hari perlakuan dilakukan dengan cara yang sama dengan perhitungan jumlah eritrosit di atas.

Lampiran 6. Perhitungan Kadar Hemoglobin

Tabel 12. Data kadar hemoglobin ayam selama 14 hari perlakuan (dalam gr/100 ml).

Perlakuan	Ulangan			ΣX	\bar{X}
	1	2	3		
P0	7,50	8,00	8,10	23,60	7,87
P1	8,10	7,80	8,00	23,90	7,97
P2	8,50	8,70	9,70	26,90	8,96
P3	11,50	10,50	10,90	32,90	10,95
P4	10,70	11,20	11,10	33,00	11,01
Jumlah				140,3	

ANOVA

Sumber Keragaman	DB	JK	KT	F Hit.	F Tabel (0,05)
Perlakuan	4	28,79	7,197	41,60	3,48
Galat	10	1,73	0,173		
Total	14	30,52			

Keterangan : F Hitung > F Tabel, berarti berbeda nyata

$$BNT(0,05) = 0,76$$

Tabel 13. Hasil Uji BNT Kadar Hemoglobin

Perlakuan	Mean	P0	P1	Selisih P2	P3	P4
P0	7,87	—				
P1	7,97	0,10	—			
P2	8,96	1,09*	0,99*	—		
P3	10,95	3,08*	2,98*	1,99*	—	
P4	11,01	3,13*	3,03*	2,04*	0,05	—

Keterangan : * : Menunjukkan berbeda nyata antara 2 perlakuan

Lampiran 7. Perhitungan Nilai Hematokrit

Tabel 14. Data Nilai Hematokrit Ayam Selama 14 Hari Perlakuan (dalam %).

Perlakuan	Ulangan			ΣX	\bar{X}
	1	2	3		
P0	32,00	31,00	31,00	94,00	31,33
P1	31,00	33,00	31,00	95,00	31,67
P2	34,00	35,00	35,00	104,00	34,67
P3	38,00	37,00	39,00	114,00	38,00
P4	38,00	38,00	39,50	115,50	38,50
Jumlah				521,50	

ANOVA

Sumber Keragaman	DB	JK	KT	F Hit.	F Tabel (0,05)
Perlakuan	4	143,934	35,983	37,877	3,48
Galat	10	9,500	0,950		
Total	14	153,434			

Keterangan : F Hitung > F Tabel, berarti berbeda nyata

$$BNT(0,05) = 1,76$$

Tabel 15. Hasil Uji BNT Nilai Hematokrit

Perlakuan	Mean	P0	P1	Selisih P2	P3	P4
P0	31,33	—	—	—	—	—
P1	31,34	0,01	—	—	—	—
P2	34,67	3,34*	3,33*	—	—	—
P3	38,00	6,67*	6,66*	3,33*	—	—
P4	38,50	7,17*	7,16*	3,83*	0,50	—

Keterangan : * : Menunjukkan berbeda nyata antara 2 perlakuan

METHOD : FLAME
 SIGNAL : AA-BG
 INTEG. TIME : 6.0sec
 CALIBRATION TYPE : Non Linear
 EXPANSION : 1.00
 PRINT CALIB. : Yes
 READ DELAY : 03 Sec.
 Standard : 5.000

LAMP CURRENT : 30 mA
 REPLICATES : 03
 TECHNIQUE : Flame
 ENERGY : 50

Standard 1:

(AA-BG) Absorbance :

0,316 0,318 0,318

CONC. (STD APPLIED) :

MEAN : 5.000 SD: 0,0009 RSD(%) : 0,27
 CORR. COEF. : 1.0000 SLOPE : 0,0634

(AA-BG) CONCENTRATION :

-0,023 -0,022 0,002
 MEAN : -0,014 SD : 0,0144 RSD(%) : 101,83 0 mg (aqua)

(AA-BG) CONCENTRATION :

0,221 0,243 0,222
 MEAN : 0,229 SD : 0,0125 RSD(%) : 5,48 2,65 mg(25%)

(AA-BG) CONCENTRATION :

0,320 0,333 0,322
 MEAN : 0,325 SD : 0,0072 RSD(%) : 2,20 3,25 mg(50%)

(AA-BG) CONCENTRATION :

0,375 0,358 0,352
 MEAN : 0,362 SD : 0,0123 RSD(%) : 3,39 3,65 mg(75%)