LAMPIRAN

Lampiran 01. Data bobot awal

Tabel 02. Bobot awal perlakuan (umur ayam 3 minggu).

Perlakuan		Bobot badan (gr)
P0 (0 ppm)	0,1	332,50
	0,3	379,50
Rata-rata		356,00
P1 (500 ppm)	1,1	381,50
	1,2	326,50
	1,3	327,00
	1,4	315,50
Rata-rata		337,63
P2 (1000 ppm)	2,1	311,00
	2,2	373,00
	2,4	387,00
	2,5	360,50
	2,6	343,50
Rata-rata		355,00
P3 (1500 ppm)	3,1	288,00
	3,3	356,00
	3,4	393,00
	3,5	377,00
Rata-rata		353,50
P4 (2000 ppm)	4,3	363,50
	4,4	374,50
Rata-rata		369,00

Lampiran 02. Bobot badan ayam per minggu

Tabel 03. Data Bobot Badan Ayam (gram)

Perlakuan		Umur Ayam			
		3 minggu	4 minggu	5 minggu	6 minggu
P0	0,1	332,50	681,50	1070,00	1520,00
	0,3	379,50	712,50	1179,30	1730,00
		X = 356,00	X = 697,00	X = 1124,65	X = 1625,00
P1	1,1	381,50	757,20	1218,60	1660,00
	1,2	326,50	760,00	1205,00	1670,00
	1,3	327,00	656,00	1077,00	1543,30
	1,4	315,50	610,00	1051,00	1547,00
		X = 337,63	X = 695,80	X = 1137,90	X = 1605,07
P2	2,1	311.00	626,30	1013,00	1422,50
	2,2	373,00	756,00	1288,20	1777,50
	2,4	387,00	778,60	1278,00	1750,00
	2,5	360,50	710,00	1225,00	1760,00
	2,6	343,50	696,30	1120,00	1585,00
		X = 355,00	X = 713,44	X = 1184,84	X = 1659,00
P3	3,1	288,00	600,00	1021,90	1412,50
	3,3	356,00	699,00	1168,90	1580,00
	3,4	393,00	747,50	1183,00	1390,00
	3,5	377,00	624,50	924,50	1320,00
		X = 353,50	X = 667,75	X = 1074,58	X = 1425,62
P4	4,3	363,50	783,00	1266,20	1780,00
	4,4	374,50	793,00	1286,00	1843,50
		X = 369,00	X = 788,00	X = 1276,10	X = 1811,75

Lampiran 03. Analisis Data konsumsi air minum

Tabel 04. Konsumsi Air Minum / Minggu (ml)

Perlakuan		Minggu I	Minggu II	Minggu III	X	Rerata
P0	0,1	141,50	215,70	294,50	250,56	
	0,3	158,40	284,70	359,00	267,36	258,96
					∑= 517,92	
P1	1,1	158,70	255,20	290,20	234,70	
	1,2	162,70	269,00	292,10	241,26	
	1,3	147,80	269,40	394,10	269,76	
	1,4	169,40	351,40	431,40	317,40	265,78
					∑= 1063,12	
P2	2,1	122,10	210,80	262,20	198,36	
	2,2	147,70	276,40	304,00	242,70	
	2,4	165,80	280,00	336,40	260,73	
	2,5	140,70	256,40	316,20	237,76	
	2,6	152,40	266,80	306,70	241,96	236,30
					∑= 1181,51	
P3	3,1	150,50	266,10	343,00	253,20	
	3,3	147,50	223,10	225,50	198,70	
	3,4	166,40	260,20	296,40	241,00	
	3,5	140,20	232,70	264,80	212,56	226,36
					∑= 905,46	
P4	4,3	168,20	240,70	332,50	247,13	
	4,4	148,80	243,00	336,70	242,83	244,98
					∑= 489,96	

∑ total = 4157,97

Faktor Koreksi (FK) = $\frac{(4157,97)^2}{17}$ = 1016983,20

Jumlah Kuadrat Total (JKT) = {(250,56)^2 + …..+ (242,83)^2} – 1016983,20
= 1029264,28 – 1016983,20
= 12281,07

Jumlah Kuadrat Perlakuan (JKP) = {($\frac{517,92)^2}{2}$ + …..+ $\frac{(489,96)^2}{2}$} - 1016983,20
= 1020864,62 - 1016983,20
= 3881,41

Jumlah Kuadrat Galat (JKG) = JKT – JKP
= 12281,07 – 3881,41
= 8399,65

Tabel 05. Anova konsumsi air minum

Sumber varians	db	JK	KT	F hit	Ftab (5%)
Perlakuan	4	3881,41	970,35	1,38	3,26
Galat	12	8399,65	699,97		
Total	16	12281,07			

F hit < F tab, maka Ho diterima

Lampiran 04. Analisis Data konsumsi pakan

Tabel 06. Konsumsi Pakan / Minggu (gram)

Perlakuan		Minggu			X	Rerata
		I	II	III		
P0	0,1	70,40	102,70	119,70	97,60	
	0,3	82,80	119,70	148,10	116,86	107,23
					Σ= 214,46	
P1	1,1	85,70	110,50	115,70	103,96	
	1,2	74,30	114,60	124,40	104,43	
	1,3	71,60	95,75	116,40	94,58	
	1,4	67,30	103,01	129,10	99,80	100,69
					Σ=402,77	
P2	2,1	70,50	103,80	117,60	97,30	
	2,2	80,30	115,20	133,90	109,80	
	2,4	85,78	124,10	138,40	116,09	
	2,5	73,90	117,30	135,10	108,76	
	2,6	77,60	117,70	132,40	109,23	108,23
					Σ=541,18	
P3	3,1	69,40	104,10	112,20	95,23	
	3,3	76,60	101,60	121,80	100,00	
	3,4	84,30	90,27	99,00	91,19	
	3,5	73,70	89,70	97,80	87,06	93,37
					Σ=373,48	
P4	4,3	94,01	128,50	157,40	126,63	
	4,4	86,20	121,50	156,40	121,36	123,99
					Σ=247,99	
					ΣTotal = 1779,88	

Faktor korelasi (FK) = $\frac{(1779,88)^2}{17}$ = 186351,34

Jumlah Kuadrat Total (JKT) = $\{(97,60)^2 + \ldots + (121,36)^2\}$ – 186351,34
= 188288,11 – 186351,34
= 1936,76

Jumlah Kuadrat Perlakuan (JKP) = $\{ \frac{(214,46)^2}{2} + \ldots. + \frac{(247,99)^2}{2} \} - 186351,34$

= 187748,97 – 186351,34

= 1397,63

Jumlah Kuadrat Galat (JKG) = JKT- JKP

= 1936,76 – 1397,63

= 539,14

Tabel 07. Anova konsumsi pakan / minggu

Sumber varians	db	JK	KT	F hit	Ftab (5%)
Perlakuan	4	1397,63	349,41	7,77	3,26
Galat	12	539,14	44,93		
Total	16	1936,76			

F hit > F tab, maka Ho ditolak

Uji Lanjut B.N.T Konsumsi pakan

B.N.T 5% = t (DBG,5%) x $\sqrt{Sp2\left(\frac{1}{no}+\frac{1}{ni}\right)}$

P0-P1 = 2,18 x $\sqrt{44,93\left(\frac{1}{2}+\frac{1}{4}\right)}$

=2,18 x $\sqrt{33,69}$

=12,65 ⇒ P0-P1 = 6,50<12,65 tidak beda nyata

P0-P2 = 2,18 x $\sqrt{44,93\left(\frac{1}{2}+\frac{1}{5}\right)}$

=2,18 x $\sqrt{31,45}$

=12,22 ⇒ P2-P0 = 1<12,22 tidak beda nyata

P0-P3 = 2,18 x $\sqrt{44,93\left(\frac{1}{2}+\frac{1}{4}\right)}$

= 2,18 x $\sqrt{33,69}$

= 12,65 ⇒ P3-P0 = 13,86>12,65 beda nyata

P0-P4 $= 2{,}18 \times \sqrt{44{,}93\left(\frac{1}{2}+\frac{1}{2}\right)}$

$= 2{,}18 \times \sqrt{44{,}93}$

$= 14{,}61 \Rightarrow$ P4-P0 = 16,76>14,61 beda nyata

P1-P2 $= 2{,}18 \times \sqrt{44{,}93\left(\frac{1}{4}+\frac{1}{5}\right)}$

$= 2{,}18 \times \sqrt{20{,}21}$

$= 9{,}80 \Rightarrow$ P2-P1 = 7,54<9,80 tidak beda nyata

P1-P3 $= 2{,}18 \times \sqrt{44{,}93\left(\frac{1}{4}+\frac{1}{4}\right)}$

$= 2{,}18 \times \sqrt{22{,}46}$

$= 10{,}33 \Rightarrow$ P3-P1 = 7,32<10,33 tidak beda nyata

P1-P4 $= 2{,}18 \times \sqrt{44{,}93\left(\frac{1}{4}+\frac{1}{2}\right)}$

$= 2{,}18 \times \sqrt{33{,}69}$

$= 12{,}65 \Rightarrow$ P4-P1 = 23,30>12,65 beda nyata

P2-P3 $= 2{,}18 \times \sqrt{44{,}93\left(\frac{1}{5}+\frac{1}{4}\right)}$

$= 2{,}18 \times \sqrt{20{,}21}$

$= 9{,}80 \Rightarrow$ P3-P2 = 14,86>9,80 beda nyata

P2-P4 $= 2{,}18 \times \sqrt{44{,}93\left(\frac{1}{5}+\frac{1}{2}\right)}$

$= 2{,}18 \times \sqrt{31{,}45}$

$= 12{,}22 \Rightarrow$ P4-P2 = 15,76>12,22 beda nyata

P3-P4 $= 2{,}18 \times \sqrt{44{,}93\left(\frac{1}{4}+\frac{1}{2}\right)}$

$= 2{,}18 \times \sqrt{33{,}69}$

$= 12{,}65 \Rightarrow$ P4-P3 = 30,62>12,65 beda nyata

	P0	P1	P2	P3	P4
P0	-	-	-	+	+
P1	-	-	-	-	+
P2	-	-	-	+	+
P3	+	-	+	-	+
P4	+	+	+	+	-

P3	P1	P0	P2	P4
$93{,}37^{a}$	$100{,}69^{ab}$	$107{,}23^{b}$	$108{,}23^{b}$	$123{,}99^{c}$

Lampiran 05. Analisis data pertambahan bobot badan ayam / minggu .

Tabel 08. Data bobot badan (gram)

Perlakuan		Minggu		PBB/minggu	Rerata
		Awal	Terakhir		
P0	0,1	332,50	1520,00	395,83	
	0,3	379,50	1730,00	450,16	422,99
				Σ= 845,99	
P1	1,1	381,50	1660,00	426,16	
	1,2	326,50	1670,00	447,83	
	1,3	327,00	1543,30	405,43	
	1,4	315,50	1547,00	410,50	422,48
				Σ= 1689,92	
P2	2,1	311,00	1422,50	370,50	
	2,2	373,00	1777,50	468,16	
	2,4	387,00	1750,00	454,33	
	2,5	360,50	1760,00	466,50	
	2,6	343,50	1585,00	413,83	434,66
				Σ= 2173,32	
P3	3,1	288,00	1412,50	374,83	
	3,3	356,00	1580,00	408,00	
	3,4	393,00	1390,00	332,33	
	3,5	377,00	1320,00	314,33	357,37
				Σ= 1429,49	
P4	4,3	363,50	1780,00	472,16	
	4,4	374,50	1843,50	489,66	480,91
				Σ= 961,82	

Σ total= 7100,54

$$\text{Faktor Korelasi (FK)} = \frac{(7100,54)^2}{17} = 2965745,19$$

$$\text{Jumlah Kuadrat Total (JKT)} = \{(395,83)^2 + \ldots.. + (489,66)^2\} - 2965745,19$$
$$= 3005020,59 - 2965745,19$$
$$= 39275,40$$

$$\text{Jumlah Kuadrat Perlakuan (JKP)} = \left\{\frac{(845,99)^2}{2} + \ldots.. + \frac{(961,82)^2}{2}\right\} - 2965745,19$$
$$= 2989880,17 - 2965745,19$$
$$= 24134,98$$

Jumlah Kuadrat Galat (JKG) = JKT – JKP
= 39275,40 – 24134,98
= 15140,41

Tabel 09. Anova pertambahan bobot badan/minggu

Sumber varians	db	JK	KT	F hit	Ftab (5%)
Perlakuan	4	24134,98	6033,74	4,78	3,26
Galat	12	15140,41	1261,70		
Total	16	39275,40			

Tabel NilaiTengah

Perlakuan	Nilai tengah X	Selisih			
P0	422,99	P0			
P1	422,48	0,51	P1		
P2	434,66	11,66	12,18	P2	
P3	357,37	65,62	65,10	77,29	P3
P4	480,91	57,91	58,43	46,24	123,53

Uji Lanjut B.N.T Pertambahan bobot badan/minggu

$$B.N.T\ 5\% = t\ (DBG,5\%)\ x\ \sqrt{Sp2\left(\frac{1}{no}+\frac{1}{ni}\right)}$$

$$P0\text{-}P1 = t5\%(12)\sqrt{1261,70\left(\frac{1}{2}+\frac{1}{4}\right)}$$

$$= 2,18\ x\ \sqrt{946,27}$$

$$= 67,06 \Rightarrow P1\text{-}P0 = 0,51 < 67,06 \text{ tidak beda nyata}$$

P0-P2 $= 2{,}18 \times \sqrt{1261{,}70\left(\frac{1}{2}+\frac{1}{5}\right)}$

$= 2{,}18 \times \sqrt{883{,}19}$

$= 64{,}78 \Rightarrow$ P2-P0 = 11,66<64,78 tidak beda nyata

P0-P3 $= 2{,}18 \times \sqrt{1261{,}70\left(\frac{1}{2}+\frac{1}{4}\right)}$

$= 2{,}18 \times \sqrt{946{,}27}$

$= 67{,}06 \Rightarrow$ P3-P0 = 65,62<67,06 tidak beda nyata

P0-P4 $= 2{,}18 \times \sqrt{1261{,}70\left(\frac{1}{2}+\frac{1}{2}\right)}$

$= 2{,}18 \times \sqrt{1261{,}70}$

$= 77{,}43 \Rightarrow$ P4-P0 = 57,91<77,43 tidak beda nyata

P1-P2 $= 2{,}18 \times \sqrt{1261{,}70\left(\frac{1}{4}+\frac{1}{5}\right)}$

$= 2{,}18 \times \sqrt{567{,}76}$

$= 51{,}94 \Rightarrow$ P2-P1 = 12,18<51,94 tidak beda nyata

P1-P3 $= 2{,}18 \times \sqrt{1261{,}70\left(\frac{1}{4}+\frac{1}{4}\right)}$

$= 2{,}18 \times \sqrt{630{,}85}$

$= 54{,}75 \Rightarrow$ P3-P1 = 65,10>54,75 beda nyata

P1-P4 $= 2{,}18 \times \sqrt{1261{,}70\left(\frac{1}{4}+\frac{1}{2}\right)}$

$= 2{,}18 \times \sqrt{946{,}27}$

$= 67{,}06 \Rightarrow$ P4-P1 = 58,43<67,06 tidak beda nyata

P2-P3 $= 2{,}18 \times \sqrt{1261{,}70\left(\frac{1}{5}+\frac{1}{4}\right)}$

$= 2{,}18 \times \sqrt{567{,}66}$

$= 51{,}93 \Rightarrow$ P3-P2 = 77,29>51,93 beda nyata

P2-P4 $= 2{,}18 \times \sqrt{1261{,}70\left(\frac{1}{5}+\frac{1}{2}\right)}$

$= 2{,}18 \times \sqrt{883{,}19}$

$= 64{,}78 \Rightarrow$ P4-P2 = 46,24<64,78 tidak beda nyata

P3-P4 $= 2{,}18 \times \sqrt{1261{,}70\left(\frac{1}{4}+\frac{1}{2}\right)}$

$= 2{,}18 \times \sqrt{946{,}27}$

$= 67{,}06 \Rightarrow$ P4-P3 = 123,53>67,06 beda nyata

	P0	P1	P2	P3	P4
P0	-	-	-	-	-
P1	-	-	-	+	-
P2	-	-	-	+	-
P3	-	+	+	-	+
P4	-	-	-	+	-

P3	P1	P0	P2	P4
$354{,}37^{a}$	$422{,}48^{b}$	$422{,}99^{ab}$	$434{,}66^{b}$	$480{,}98^{b}$

Lampiran 06. Analisis Data rata-rata laju pertumbuhan ayam

Tabel 10. Rata-rata Laju Pertumbuhan Ayam (gram)

Perlakuan		Laju Pertumbuhan			Rata laju /hari	Rerata
		3-4 minggu	4-5 minggu	5-6 minggu		
P0	0,1	49,86	55,50	64,29	56,55	
	0,3	47,57	66,69	78,67	64,31	60,43
					Σ= 120,86	
P1	1,1	53,67	65,91	63,06	60,88	
	1,2	61,93	63,57	66,43	64,04	
	1,3	47,00	60,14	66,61	57,92	
	1,4	42,07	63,00	70,86	58,64	60,37
					Σ= 241,48	
P2	2,1	45,04	55,24	58,50	52,93	
	2,2	54,71	76,03	69,90	66,88	
	2,4	55,94	71,34	67,43	64,90	
	2,5	49,93	73,57	76,43	66,64	
	2,6	50,40	60,53	66,43	59,12	62,09
					Σ= 310,47	
P3	3,1	44,57	60,27	55,80	53,55	
	3,3	49,00	67,13	58,73	58,29	
	3,4	50,64	62,21	29,57	47,47	
	3,5	35,36	42,86	56,50	44,91	51,06
					Σ= 204,22	
P4	4,3	59,93	69,03	73,40	67,45	
	4,4	59,79	70,43	79,64	69,95	68,70
					Σ= 137,40	

Σ total= 1014,43

Faktor Korelasi (FK) = $\frac{(1014,43)^2}{17}$ = 60533,43

Jumlah Kuadrat Total (JKT) = $\{(56,55^2 + \ldots.. + (69,95)^2\} - 60533,43$
= 61335,26 – 60533,43
= 801,83

Jumlah Kuadrat Perlakuan (JKP) = $\{\frac{(120,86)^2}{2} + \ldots\ldots + \frac{(137,40)^2}{2}\} - 60533,43$
= 61025,87 – 60533,43
= 492,44

Jumlah Kuadrat Galat (JKG) = JKT – JKP
= 801,83 - 492,44
= 309,39

Tabel 11. Anova rata-rata laju pertumbuhan

Sumber varians	Db	JK	KT	F hit	Ftab (5%)
Perlakuan	4	492,44	123,11	4,78	3,26
Galat	12	309,39	25,78		
Total	16	801,83			

F hit > F tab, maka Ho ditolak
Uji Lanjut B.N.T

$$\text{B.N.T 5\%} = t\,(DBG,5\%) \times \sqrt{Sp2\left(\frac{1}{no}+\frac{1}{ni}\right)}$$

P0-P1 $= t5\%(12)\sqrt{25,78\left(\frac{1}{2}+\frac{1}{4}\right)}$

$= 2,18 \times \sqrt{19,34}$

$= 9,59 \Rightarrow$ P1-P0 = 0,06<9,59 tidak beda nyata

P0-P2 $= 2,18 \times \sqrt{25,78\left(\frac{1}{2}+\frac{1}{5}\right)}$

$= 2,18 \times \sqrt{18,05}$

$= 9,26 \Rightarrow$ P2-P0 = 1,66<9,26 tidak beda nyata

P0-P3 $= 2,18 \times \sqrt{25,78\left(\frac{1}{2}+\frac{1}{4}\right)}$

$= 2,18 \times \sqrt{19,34}$

$= 9,59 \Rightarrow$ P3-P0 = 9,37<9,59 tidak beda nyata

P0-P4 $= 2,18 \times \sqrt{25,78\left(\frac{1}{2}+\frac{1}{2}\right)}$

$= 2,18 \times \sqrt{25,78}$

$= 11,07 \Rightarrow$ P4-P0 = 8,27<11,07 tidak beda nyata

P1-P2 $= 2{,}18 \times \sqrt{25{,}78\left(\frac{1}{4}+\frac{1}{5}\right)}$

$= 2{,}18 \times \sqrt{11{,}60}$

$= 7{,}42 \Rightarrow$ P2-P1 = 1,72<7,42 tidak beda nyata

P1-P3 $= 2{,}18 \times \sqrt{25{,}78\left(\frac{1}{4}+\frac{1}{4}\right)}$

$= 2{,}18 \times \sqrt{12{,}89}$

$= 7{,}83 \Rightarrow$ P3-P1 = 9,31>7,83 beda nyata

P1-P4 $= 2{,}18 \times \sqrt{25{,}78\left(\frac{1}{4}+\frac{1}{2}\right)}$

$= 2{,}18 \times \sqrt{19{,}34}$

$= 9{,}59 \Rightarrow$ P4-P1 = 8,33<9,59 tidak beda nyata

P2-P3 $= 2{,}18 \times \sqrt{25{,}78\left(\frac{1}{5}+\frac{1}{4}\right)}$

$= 2{,}18 \times \sqrt{11{,}60}$

$= 7{,}43 \Rightarrow$ P3-P2 = 11,03>7,43 beda nyata

P2-P4 $= 2{,}18 \times \sqrt{25{,}78\left(\frac{1}{5}+\frac{1}{2}\right)}$

$= 2{,}18 \times \sqrt{18{,}05}$

$= 9{,}26 \Rightarrow$ P4-P2 = 6,61<9,26 tidak beda nyata

P3-P4 $= 2{,}18 \times \sqrt{25{,}78\left(\frac{1}{4}+\frac{1}{2}\right)}$

$= 2{,}18 \times \sqrt{19{,}34}$

$= 9{,}59 \Rightarrow$ P4-P3 = 17,64>9,59 beda nyata

	P0	P1	P2	P3	P4
P0	-	-	-	-	-
P1	-	-	-	+	-
P2	-	-	-	+	-
P3	-	+	+	-	+
P4	-	-	-	+	-

P3	P1	P0	P2	P4
51,06[b]	60,37[a]	60,43[a]	62,09[a]	68,70[a]

Lampiran 07. Analisis Data rata-rata laju pertumbuhan ayam umur 4 minggu

Tabel 12. Laju pertumbuhan bobot badan ayam umur 4 minggu (gram)

Perlakuan		PBB/hari	Rerata
P0	0,1	49,86	
	0,3	47,57	48,72
		$\Sigma = 97,43$	
P1	1,1	53,67	
	1,2	61,93	
	1,3	47	51,17
	1,4	42,07	
		$\Sigma = 204,67$	
P2	2,1	45,04	
	2,2	54,71	
	2,4	55,94	51,20
	2,5	49,93	
	2,6	50,40	
		$\Sigma = 256,02$	
P3	3,1	44,57	
	3,3	49	
	3,4	50,64	44,89
	3,5	35,36	
		$\Sigma = 179,57$	
P4	4,3	59,93	
	4,4	59,79	59,86
		$\Sigma = 119,72$	

Σ total= 857,41

Faktor Korelasi (FK) $= \frac{(857,41)^2}{17} = 43244,23$

Jumlah Kuadrat Total (JKT) $= \{(49,86)^2 + \ldots..+ (59,79)^2\} - 43244,23$
$= 43996,47 - 43244,23$
$= 752,24$

Jumlah Kuadrat Perlakuan (JKP) $= \{\frac{(97,43)^2}{2} + \ldots..+ \frac{(119,72)^2}{2}\} - 43244,23$
$= 43555,79 - 43244,23$
$= 311,56$

Jumlah Kuadrat Galat (JKG) = JKT – JKP
=752,24 – 311,56
= 440,68

Tabel 13. Anova rata-rata laju pertumbuhan ayam umur 4 minggu

Sumber varians	db	JK	KT	F hit	Ftab (5%)
Perlakuan	4	311,56	77,89	2,12	3,26
Galat	12	440,68	36,72		
Total	16	752,24			

F hit < F tab, maka Ho diterima

Lampiran 08. Analisis Data rata-rata laju pertumbuhan ayam umur 5 minggu

Tabel 14. Laju pertumbuhan bobot badan ayam umur 5 minggu (gram)

Perlakuan		PBB/hari	Rerata
P0	0,1	55,5	
	0,3	66,69	61,10
		$\Sigma = 122,19$	
P1	1,1	65,91	
	1,2	63,57	
	1,3	60,14	63,16
	1,4	63	
		$\Sigma = 252,62$	
P2	2,1	55,24	
	2,2	76,03	
	2,4	71,34	67,34
	2,5	73,57	
	2,6	60,53	
		$\Sigma = 336,71$	
P3	3,1	60,27	
	3,3	67,13	
	3,4	62,21	58,12
	3,5	42,86	
		$\Sigma = 232,47$	
P4	4,3	69,03	
	4,4	70,43	69,73
		$\Sigma = 139,46$	

Σ total= 1083,45

Faktor Korelasi (FK) $= \frac{(1083,45)^2}{17} = 69050,82$

Jumlah Kuadrat Total (JKT) $= \{(55,5)^2 + \ldots.. + (70,43)^2\} - 69050,82$
$= 70068,23 - 69050,82$
$= 1017,41$

Jumlah Kuadrat Perlakuan (JKP) $= \{\frac{(122,19)^2}{2} + \ldots.. + \frac{(139,48)^2}{2}\} - 69050,82$
$= 69329,27 - 69050,82$
$= 278,45$

Jumlah Kuadrat Galat (JKG) = JKT – JKP
= 1017,41– 278,45
= 738,96

Tabel 15. Anova rata-rata laju pertumbuhan ayam umur 5 minggu

Sumber varians	db	JK	KT	F hit	Ftab (5%)
Perlakuan	4	278,45	69,61	1,13	3,26
Galat	12	738,96	61,58		
Total	16	1017,41			

F hit < F tab, maka Ho diterima

Lampiran 09. Analisis Data rata-rata laju pertumbuhan ayam umur 6 minggu

Tabel 16. Laju pertumbuhan bobot badan ayam umur 6 minggu (gram)

Perlakuan		PBB/hari	Rerata
P0	0,1	64,29	
	0,3	78,67	71,48
		Σ = 142,96	
P1	1,1	63,06	
	1,2	66,43	66,74
	1,3	66,61	
	1,4	70,86	
		Σ = 266,96	
P2	2,1	58,50	
	2,2	69,90	
	2,4	67,43	67,74.
	2,5	76,43	
	2,6	66,43	
		Σ = 338,69	
P3	3,1	55,8	
	3,3	58,73	
	3,4	29,57	50,15
	3,5	56,50	
		Σ = 200,60	
P4	4,3	73,40	
	4,4	79,64	76,52
		Σ = 153,04	

Σ total= 1102,25

Faktor Korelasi (FK) = $\frac{(1102,25)^2}{17}$ = 71467,94

Jumlah Kuadrat Total (JKT) = $\{(64,29)^2 + \ldots.. + (79,64)^2\}$ - 71467,94
= 73638,77 - 71467,94
= 2170,83

Jumlah Kuadrat Perlakuan (JKP) = $\{\frac{(142,96)^2}{2} + \ldots.. + \frac{(153,04)^2}{2}\}$ - 71467,94
= 72748,58 - 71467,94
= 1280,64

Jumlah Kuadrat Galat (JKG) = JKT – JKP
= 2170,83 – 1280,64
= 890,19

Tabel 17. Anova rata-rata laju pertumbuhan ayam umur 6 minggu

Sumber varians	db	JK	KT	F hit	Ftab (5%)
Perlakuan	4	1280,64	320,16	4,32	3,26
Galat	12	890,19	74,18		
Total	16	2170,83			

F hit > F tab, maka Ho ditolak

Uji Lanjut B.N.T Laju Pertumbuhan bobot badan/hari

$$\text{B.N.T } 5\% = t\,(DBG;5\%) \times \sqrt{Sp2\left(\frac{1}{no}+\frac{1}{ni}\right)}$$

P0-P1 $= t5\%(12)\sqrt{74,18\left(\frac{1}{2}+\frac{1}{4}\right)}$

$= 2,18 \times \sqrt{55,64}$

$= 16,26 \Rightarrow$ P1-P0 = 4,74<16,26 tidak beda nyata

P0-P2 $= 2,18 \times \sqrt{74,18\left(\frac{1}{2}+\frac{1}{5}\right)}$

$= 2,18 \times \sqrt{51,93}$

$= 15,71 \Rightarrow$ P2-P0 = 3,74<15,71 tidak beda nyata

P0-P3 $= 2,18 \times \sqrt{74,18\left(\frac{1}{2}+\frac{1}{4}\right)}$

$= 2,18 \times \sqrt{55,64}$

$= 16,26 \Rightarrow$ P3-P0 = 21,33>16,26 beda nyata

P0-P4 $= 2,18 \times \sqrt{74,18\left(\frac{1}{2}+\frac{1}{2}\right)}$

$= 2,18 \times \sqrt{74,18}$

$= 18,78 \Rightarrow$ P4-P0 = 5,04<18,78 tidak beda nyata

P1-P2 $= 2,18 \times \sqrt{74,18\left(\frac{1}{4}+\frac{1}{5}\right)}$

$= 2,18 \times \sqrt{33,38}$

$= 12,60 \Rightarrow$ P2-P1 = 1<12,60 tidak beda nyata

P1-P3 $= 2{,}18 \times \sqrt{74{,}18\left(\frac{1}{4}+\frac{1}{4}\right)}$

$= 2{,}18 \times \sqrt{37{,}09}$

$= 13{,}28 \Rightarrow$ P3-P1 = 16,59>13,28 beda nyata

P1-P4 $= 2{,}18 \times \sqrt{74{,}18\left(\frac{1}{4}+\frac{1}{2}\right)}$

$= 2{,}18 \times \sqrt{55{,}64}$

$= 16{,}26 \Rightarrow$ P4-P1 = 9,78<16,26 tidak beda nyata

P2-P3 $= 2{,}18 \times \sqrt{74{,}18\left(\frac{1}{5}+\frac{1}{4}\right)}$

$= 2{,}18 \times \sqrt{33{,}38}$

$= 12{,}60 \Rightarrow$ P3-P2 = 17,59>12,60 beda nyata

P2-P4 $= 2{,}18 \times \sqrt{74{,}18\left(\frac{1}{5}+\frac{1}{2}\right)}$

$= 2{,}18 \times \sqrt{51{,}93}$

$= 15{,}71 \Rightarrow$ P4-P2 = 8,78<15,71 tidak beda nyata

P3-P4 $= 2{,}18 \times \sqrt{74{,}18\left(\frac{1}{4}+\frac{1}{2}\right)}$

$= 2{,}18 \times \sqrt{55{,}64}$

$= 16{,}26 \Rightarrow$ P4-P3 = 26,37>16,26 beda nyata

	P0	P1	P2	P3	P4
P0	–	–	–	+	–
P1	–	–	–	+	–
P2	–	–	–	+	–
P3	+	+	+	–	+
P4	–	–	–	+	–

P3	P1	P2	P0	P
$50{,}15^{a}$	$66{,}74^{b}$	$67{,}74^{b}$	$71{,}48^{b}$	$76{,}52^{b}$

Lampiran 10. Temperatur

Tabel 18. Data temperatur harian di lokasi penelitian (°C).

Hari	Minggu I			Minggu II			Minggu III		
	07.00	12.00	18.00	07.00	12.00	18.00	07.00	12.00	18.00
Senin	27 °C	28 °C	26 °C	26 °C	27 °C	26 °C	26 °C	27 °C	27 °C
Selasa	29 °C	28 °C	27 °C	27 °C	28 °C	27 °C	26 °C	28 °C	25 °C
Rabu	26 °C	29 °C	27 °C	26 °C	29 °C	26 °C	27 °C	27 °C	26 °C
Kamis	27 °C	26 °C	28 °C	26 °C	27 °C	28 °C	25 °C	29 °C	25 °C
Jum'at	29 °C	27 °C	26 °C	27 °C	29 °C	27 °C	26 °C	27 °C	27 °C
Sabtu	28 °C	28 °C	26 °C	28 °C	29 °C	26 °C	26 °C	28 °C	28 °C
Minggu	26 °C	29 °C	27 °C	26 °C	28 °C	27 °C	27 °C	27 °C	25 °C

Lampiran 11. Daftar komposisi ransum

BR 1

Kadar air	max	13 %
Protein	min	21 %
Lemak	min	5 %
Serat	max	4 %
Abu	max	6,5 %
Calsium	min	0,9 %
Phospor	min	0,7 %
Energi metabolis		3350 kkal/kg

BR 2

Kadar air	max	13 %
Protein	min	19 %
Lemak	min	4 %
Serat	max	4,5 %
Abu	max	6,5 %
Calsium	min	0,9 %
Phospor	min	0,7 %
Energi metabolis		3050 kkal/kg

Lampiran 12.
Uji homogenitas dan normalitas bobot awal

Test of Homogeneity of Variances

bobot awal

Levene Statistic	df1	df2	Sig.
.782	4	12	.558

One-Sample Kolmogorov-Smirnov Test

		bobot awal
N		17
Normal Parameters[ab]	Mean	352.2941
	Std. Deviation	30.7739
Most Extreme Differences	Absolute	.161
	Positive	.093
	Negative	-.161
Kolmogorov-Smirnov Z		.665
Asymp. Sig. (2-tailed)		.769

a Test distribution is Normal.
b Calculated from data.

Lampiran 13. Uji normalitas konsumsi minum, konsumsi pakan, konversi pakan dan rata-rata laju pertumbuhan

One-Sample Kolmogorov-Smirnov Test

		konsumsi minum	konsumsi pakan	konversi pakan
N		17	17	17
Normal Parameters[a,b]	Mean	244.5865	104.7465	.2465
	Std. Deviation	27.7050	11.0562	1.367E-02
Most Extreme Differences	Absolute	.184	.137	.211
	Positive	.143	.137	.211
	Negative	-.184	-.099	-.133
Kolmogorov-Smirnov Z		.759	.564	.872
Asymp. Sig. (2-tailed)		.612	.908	.433

a. Test distribution is Normal.

b. Calculated from data.

One-Sample Kolmogorov-Smirnov Test

		RATALAJU
N		17
Normal Parameters[a,b]	Mean	59.6724
	Std. Deviation	7.0793
Most Extreme Differences	Absolute	.143
	Positive	.077
	Negative	-.143
Kolmogorov-Smirnov Z		.590
Asymp. Sig. (2-tailed)		.877

a. Test distribution is Normal.

b. Calculated from data.