

Lampiran 4. Data Rata-rata tingkat penetasan (*Hatching rate*)

Perlakuan	Jumlah Telur	Jumlah Telur Mati	Jumlah Telur Menetas	HR %
K1	500	150	350	70
K2	500	167	333	67
K3	500	159	341	68
A1	500	142	358	72
A2	500	137	363	73
A3	500	136	364	73
B1	500	107	393	79
B2	500	103	397	79
B3	500	107	393	79
C1	500	155	345	69
C2	500	172	328	66
C3	500	159	341	68
D1	500	172	328	66
D2	500	179	321	64
D3	500	172	328	66

Pengamatan tingkat penetasan (*Hatching rate*)

Perlakuan	Ulangan			Total	Rata-Rata
	1	2	3		
A	71,6	72,6	72,8	217,0	72,3
B	78,6	79,4	78,6	236,6	78,9
C	69,0	65,6	68,2	202,8	67,6
D	65,6	64,2	65,6	195,4	65,1
Total				851,8	

Lampiran 4 (Lanjutan)

Uji Normalitas

One-Sample Kolmogorov-Smirnov Test

		Ulangan
N		15
Normal Parameters ^a	Mean	2.0000
	Std. Deviation	.84515
Most Extreme Differences	Absolute	.215
	Positive	.215
	Negative	-.215
Kolmogorov-Smirnov Z		.833
Asymp. Sig. (2-tailed)		.492
a. Test distribution is Normal.		

a) Jumlah Kuadrat (JK)

$$\text{Faktor Koreksi (FK)} = G^2/n = 725563,24 / 12 = 60463,60$$

$$\text{JK Total} = (A_1^2 + A_2^2 + \dots D_3^2) - \text{FK}$$

$$= (5126,56 + 4303,36) - 116112,0133 = 337,8$$

$$\text{JK Perlakuan} = \frac{(\sum A)^2 + \dots + (\sum D)^2}{3} - \text{FK}$$

$$= \frac{(217,0)^2 + \dots + (195,4)^2}{3} - 60463,60$$

$$= 328,9$$

Lampiran 4 (Lanjutan)

$$\begin{aligned}
 \text{JK Acak} &= \text{JK Total} - \text{JK Perlakuan} \\
 &= 337,8 - 328,9 \\
 &= 8,9
 \end{aligned}$$

b) Tabel Sidik Ragam

Sumber Keragaman	db	JK	KT	UJI F		
				F HITUNG	F 5%	F1%
Perlakuan	3	328,9	109,6	98,8	3,1	5,1
Acak	8	8,9	1,1			
Total	11	337,8				

1) Menghitung nilai BNT : $\text{SED} = \frac{\sqrt{2KT \text{ acak}}}{3}$

$$= \frac{2 \times 8,9}{3}$$

$$= \frac{\sqrt{17,8}}{3}$$

$$= \sqrt{5,93}$$

$$= 2,43$$

$$\text{BNT } 5 \% = t \text{ tabel } 5 \% (\text{db Acak}) \times \text{SED}$$

$$= 2,306 \times 2,43$$

$$= 5,6$$

$$\text{BNT } 1 \% = t \text{ tabel } 1 \% (9 \text{ db Acak}) \times \text{SED}$$

$$= 3,355 \times 2,43$$

$$= 8,2$$

Lampiran 4 (Lanjutan)

c) Tabel Uji beda Nyata

Rata-rata perlakuan	65,13	67,60	72,33	78,87
65,13	-	-	-	-
67,60	2,47 ns	-	-	-
72,33	7,20 *	4,73 ns	-	-
78,87	13,73 **	11,27 **	6,53 *	-

Lampiran 4 (Lanjutan)

d) Tabel analisa Polinomial Orthogonal

Perlakuan	Total (Ti)	Pembanding (Ci)		
		Linier	Kuadratik	Kubik
A	217	-3	1	-1
B	237	-1	-1	3
C	203	1	-1	-3
D	195	3	1	1
$Q = \sum Ti \cdot Ci$		-99	-27	80
$Kr = \sum Ci^2$		12	60	12
$JK = Q^2 / Kr$		102,0	160,8	106,1
Tot JK Regresi	328,9			

e) Tabel Sidik Ragam Regresi

Sumber Keragaman	db	JK	KT	F hit	F 5%	F 1%
Perlakuan	3	328,92				
Linier	1	102,03	102,03	145,98	5,32	11,26
Kuadratik	1	160,75	160,75	54,73	5,32	11,26
Kubik	1	106,13	106,13	95,62	5,32	11,26
Acak	8	8,88	1,11			
Total	11	337,80				