

Lampiran 4

Tabel 11. Perhitungan susut tetas bobot telur kalkun

N	70,00--74,99 g		75,00—80,00 g	
	(X1)	(X1)2	(X2)	(X2)2
	-----%-----			
1	8,18	66,96	8,19	67,03
2	6,46	41,68	7,66	58,71
3	6,37	40,56	8,41	70,70
4	10,45	109,13	9,09	82,67
5	8,69	75,55	6,98	48,77
6	8,33	69,31	6,47	41,91
7	7,69	59,21	8,13	66,06
8	8,27	68,32	7,80	60,82
9	6,82	46,50	9,07	82,32
10	8,34	69,50	8,52	72,65
Jumlah	79,59	646,73	80,33	651,64
Rata-rata	7,96	64,67	8,03	65,16
SD	1,22	20,08	0,84	13,17

Keterangan : X1 : Rata-rata susut tetas perlakuan bobot telur 70,00--74,99 g
X2 : Rata-rata susut tetas perlakuan bobot telur 75,00--80,00 g

Perhitungan *t-student* susut tetas telur kalkun dari kelompok perlakuan bobot telur 70,00--74,99 ,dan 75,00--80,00 g.

$$\begin{aligned}\sum X_1 &= 79,59 \\ \sum (X_1)_2 &= 646,73 \\ \sum X_2 &= 80,33 \\ \sum (X_2)_2 &= 651,64\end{aligned}$$

$$\begin{aligned}n_1 &= 10 \\ n_2 &= 10 \\ \bar{X}_1 &= 7,96 \\ \bar{X}_2 &= 8,03\end{aligned}$$

$$SS_1 = \sum I^2 - \frac{(\sum X_1)^2}{n} = 646,73 - \frac{(79,59)^2}{10} = 13,27$$

$$SS_2 = \sum X_i^2 - \frac{(\sum X_2)^2}{n} = 651,64 - \frac{(80,33)^2}{10} = 6,35$$

$$S_{X_1-X_2} = \sqrt{\frac{SS_1 + SS_2}{n_1 + n_2 - 2} \left(\frac{1}{n_1} + \frac{1}{n_2} \right)} = \sqrt{\frac{13,27 + 6,35}{10 + 10 - 2} \left(\frac{1}{10} + \frac{1}{10} \right)} = 0,94$$

$$t = \frac{|\bar{x}_1 - \bar{x}_2|}{S_{X_1-X_2}} = \frac{|7,96 - 8,03|}{0,94} = 0,07$$