

Tabel 9. Perhitungan analisis ragam frekuensi pernafasan *broiler* umur 16 hari

Ulangan	Perlakuan		
	P0	P1	P2
	-----kali/menit-----		
1	97,00	92,00	98,00
2	106,00	86,00	112,00
3	98,00	96,00	106,00
4	94,00	106,00	106,00
5	106,00	106,00	88,00
6	124,00	96,00	102,00
Jumlah	625,00	582,00	612,00
Rata-rata	104,17 $\pm$ 10,89	97,00 $\pm$ 7,87	102,00 $\pm$ 8,29

Keterangan : P0 = air minum biasa  
P1 = air rebusan kunyit 10 g/600 ml  
P2 = air rebusan temulawak 10 g/600 ml

$$C = \frac{Y^2}{p \cdot r} = \frac{(1819,00)^2}{3 \times 6} = \frac{3308761,00}{18} = 183820,10$$

$$JK(T) = \sum \sum y_{ij}^2 - C = (97,00^2 + 92,00^2 + \dots + 102,00^2) - 183820,10 = 1408,90$$

$$JK(P) = \frac{1}{6} \sum y_i^2 - C = \frac{1}{6} \times (625,00^2 + 582,00^2 + 612,00^2) - 183820,10 = 162,11$$

$$JK(g) = JK(T) - JK(P) = 1408,90 - 162,11 = 1246,83$$

$$KT(p) = \frac{JK(P)}{p-1} = \frac{162,11}{2} = 81,06$$

$$KT(g) = \frac{JK(g)}{(r-1)p} = \frac{1246,83}{15} = 83,12$$

$$KK = \frac{\sqrt{KT(g)}}{y} \times 100\% = \frac{\sqrt{83,12}}{1819,00} \times 100\% = 3,01\%$$

$$F_{hit} = \frac{KT(p)}{KT(g)} = \frac{81,06}{83,12} = 0,98$$

Keterangan:

C : faktor koreksi

JK(T) : jumlah kuadrat total

JK(g) : jumlah kuadrat galat

KT(p) : kuadrat tengah perlakuan

KT(g) : kuadrat tengah galat

KK : koefisien keragaman

Fhit : F hitung