

Tabel 11. Perhitungan analisis ragam frekuensi pernafasan *broiler* umur 24 hari

Ulangan	Perlakuan		
	P0	P1	P2
	-----kali/menit-----		
1	104,00	108,00	120,00
2	110,00	90,00	118,00
3	122,00	86,00	96,00
4	98,00	98,00	88,00
5	106,00	96,00	98,00
6	126,00	92,00	102,00
Jumlah	666,00	570,00	622,00
Rata-rata	111,00 \pm 10,86	95,00 \pm 7,67	103,67 \pm 12,74

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

$$C = \frac{Y^2}{p.r} = \frac{(1858,00)^2}{3 \times 6} = \frac{191786,89}{18} = 191786,89$$

$$JK(T) = \sum \sum y_{ij}^2 - C = (104,00^2 + 108,00^2 + \dots + 102,00^2) - 191786,89 = 2465,11$$

$$JK(P) = \frac{1}{6} \sum y_i^2 - C = \frac{1}{6} \times (666,00^2 + 570,00^2 + 622,00^2) - 191786,89 = 769,78$$

$$JK(g) = JK(T) - JK(P) = 2465,11 - 769,78 = 1695,33$$

$$KT(p) = \frac{JK(P)}{p-1} = \frac{769,78}{2} = 384,89$$

$$KT(g) = \frac{JK(g)}{(r-1)p} = \frac{1695,33}{15} = 113,02$$

$$KK = \frac{\sqrt{KT(g)}}{y} \times 100\% = \frac{\sqrt{113,02}}{1858,00} \times 100\% = 3,43\%$$

$$F_{hit} = \frac{KT(p)}{KT(g)} = \frac{384,89}{113,02} = 3,41$$

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