

Tabel 13. Perhitungan analisis ragam denyut jantung *broiler* umur 16 hari

Ulangan	Perlakuan		
	P0	P1	P2
	-----kali/menit-----		
1	256,00	268,00	254,00
2	236,00	248,00	256,00
3	244,00	280,00	252,00
4	240,00	254,00	264,00
5	278,00	272,00	276,00
6	248,00	278,00	268,00
Jumlah	1502,00	1600,00	1570,00
Rata-rata	250,33 $\pm$ 15,20	266,67 $\pm$ 13,00	261,67 $\pm$ 9,33

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

$$C = \frac{Y^2}{p.r} = \frac{(4672,00)^2}{3 \times 6} = \frac{21827584,00}{18} = 1212643,56$$

$$JK(T) = \sum \sum y_{ij}^2 - C = (256,00^2 + 268,00^2 + \dots + 268,00^2) - 1212643,56 = 3276,44$$

$$JK(P) = \frac{1}{6} \sum y_i^2 - C = \frac{1}{6} \times (1502,00^2 + 1600,00^2 + 1570,00^2) - 1212643,56$$

$$= 840,44$$

$$JK(g) = JK(T) - JK(P) = 3276,44 - 840,44 = 2436,00$$

$$KT(p) = \frac{JK(P)}{p-1} = \frac{840,44}{2} = 420,22$$

$$KT(g) = \frac{JK(g)}{(r-1)p} = \frac{2436,00}{15} = 162,40$$

$$KK = \frac{\sqrt{KT(g)}}{y} \times 100\% = \frac{\sqrt{162,40}}{4672,00} \times 100\% = 1,64\%$$

$$F_{hit} = \frac{KT(p)}{KT(g)} = \frac{420,22}{162,40} = 2,59$$

## Keterangan:

C	: faktor koreksi	KT(g)	: kuadrat tengah galat
JK(T)	: jumlah kuadrat total	KK	: koefisien keragaman
JK(g)	: jumlah kuadrat galat	Fhit	: F hitung
KT(p)	: kuadrat tengah perlakuan		