

Lampiran 27. Perhitungan Uji Homogenitas Bartlett

Kelompok ke :	dk	$\frac{1}{dk}$	s_i^2	$\log s_i^2$	dk s_i^2	dk $\log s_i^2$
1	35	0,029	43,86	1,642	1535,00	57,471
2	35	0,029	70,05	1,845	2451,64	64,589
Jumlah	70	0,057	113,904	3,487	3986,639	122,060

$$\begin{aligned}
 1. \quad s^2 &= \frac{\Sigma(\text{dk} \cdot s_i^2)}{\Sigma \text{dk}} = 56,952 \\
 2. \quad \log s^2 &= \log 56,952 = 1,75551 \\
 3. \quad B &= (\text{Log } S_1^2) \Sigma(\text{dk}) = 122,886 \\
 4. \quad X^2_{\text{hitung}} &= (\text{In } 10) (B - \Sigma(\text{dk} \log S_1^2)) \\
 &= (2,303) (122,886 - 122,060) \\
 &= (2,303) (0,826) \\
 &= 1,901 \\
 5. \quad X^2_{\text{tabel}} (0,95; k-1=1) &= 3,84
 \end{aligned}$$

Karena X^2_{hitung} yaitu 1,901 < X^2_{tabel} yaitu 3,84 maka kedua varians homogen.