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Npm : 2014201017

Prodi : Sumberdaya Akuatik

Ujian Akhir Semester Statistika

Soal tipe A.

1.

Jenis Pakan	Varietas Lele			Total
	Dumbo	Sangkurang	Mutiara	
Pakan A	170	200	220	1550
	100	240	170	
	130	180	190	
Pakan B	90	240	260	1570
	120	180	190	
	60	220	210	
Pakan C	140	120	100	930
	80	150	50	
	110	100	80	
Total	1000	1420	1630	4050

$$JK_t : 170^2 + 100^2 + 130^2 + \dots + 80^2 - \frac{4050^2}{27} = 89.600$$

$$JK_B : \frac{1550^2}{9} + \frac{1570^2}{9} + \frac{930^2}{3} - \frac{4050^2}{27} = 636.922,2 - 607.500 = 29.422,2$$

$$JK_k : \frac{1000^2}{9} + \frac{1630^2}{9} + \frac{1420^2}{3} - \frac{4050^2}{27} = 630.360,6 - 607.500 = 22.860,6$$

$$\begin{aligned} JK(B_k) &= \frac{400^2 + 270^2 + 330^2 + 620^2 + 640^2 + 370^2 + 530^2 + 660^2 + 230^2}{3} \\ &= \frac{636.922,2}{3} - 630.360,6 + 607.500 \\ &= 686.700 - 636.922,2 - 630.360,6 + 607.500 \\ &= 20.917,2 \end{aligned}$$