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NPM : 2014201015

1)

	MtK (1)	Statistika	Limno	Mka	Total
Andi	68	57	73	61	259
Aina	83	94	91	86	354
Budi	72	81	63	59	275
Siska	55	73	77	66	271
Dina	92	68	75	87	322
Total	370	373	379	359	1481

Nilai tengah

$$J_{ut} = \frac{68^2 + 83^2 + 72^2 + 55^2 + 92^2}{5} - \frac{1481^2}{20} = 2272,92$$

$$J_{KB} = \frac{259^2 + 354^2 + 275^2 + 271^2 + 322^2}{5} - \frac{1481^2}{20} = 1618,7$$

$$J_{Kk} = \frac{370^2 + 373^2 + 379^2 + 359^2}{4} - \frac{1481^2}{20} = 42,15$$

$$J_{K9} = 2272,92 - 1618,7 - 42,15 = 1112,07$$

Sumber Keragaman	Jumlah Kuadrat	°Bebas	Kuadrat tengah	F.hitung
Nilai tengah Baris	1618,7	4	404,675	4.36672
Galat	42,15	3	14,05	6.15609
total	1112,07	12	92,6725	
	2772,92	19		

2) Jenis Pakan

	Varietas Ikan nila			Total
	A	B	C	
Pakan A	150	200	270	1610
	190	240	170	
	120	180	140	
Pakan B	170	240	260	1200
	100	180	190	
	130	270	210	
Pakan C	90	120	100	870
	120	150	50	
	66	100	80	
Pakan D	140	210	190	1300
	80	160	150	
	110	140	120	
total	1460	2140	1880	5480

$$J_{u1} = 150^2 + 190^2 + 120^2 + \dots + 120^2 - \frac{3400^2}{36} = 934000 - 834127,7 = 10022,3$$

$$J_{uB} = \frac{1610^2}{9} + \frac{1700^2}{36} + \frac{870^2}{36} + \frac{1300^2}{36} = 29400 + 8166,7 + 2082,5 + 4722,2 = 46822,2$$

$$J_{u(BK)} = \frac{460^2}{12} + \frac{1400^2}{36} + \dots + \frac{1460^2}{36} - \frac{5480^2}{36} = 17600 + 55555,6 + \dots + 19022,2 - 853888,9 = 80074,3687$$

$$J_{u9} = 10022,3 - 46822,2 - 19622,2 - 80074,3687 = -84.081,667$$

	N_i	V_1	V_3	total
P_1	460	620	530	1610
P_2	400	640	660	1700
P_3	270	370	270	870
P_4	330	510	460	1300
total	1460	2140	1880	5480