

EVALUASI BIOSTATISTIK PART 2

Nama : Tiara Mudrika

NIM : 1910106052

SOAL

Hasil Pre		Hasil post	
Total	Kode	Total	Kode
60	2	44	1
52	1	49	1
76	2	46	1
69	2	44	1
74	2	43	1
53	1	48	1
61	2	45	1
89	2	78	2
74	2	52	1
72	2	45	1
83	2	50	1
70	2	44	1
66	2	43	1
78	2	78	2
64	2	52	1
79	2	79	2
77	2	77	2
64	2	52	1
67	2	45	1
62	2	52	1
51	1	51	1
77	2	77	2
70	2	43	1
79	2	79	2
82	2	82	2
71	2	50	1
79	2	52	1
54	2	47	1
71	2	71	2

Kode

1 : Tidak Cemas

2.: cemas

JAWABAN

1. Bagaimanakah pengaruh penyuluhan terhadap kecemasan remaja dalam menghadapi masa pubertas?? Uji apakah yang tepat untuk mengetahui pengaruh atau uji beda pada kasus diatas?

- Uji Paired T – Test

Paired Samples Test

		Paired Differences				t	df	Sig. (2-tailed)	
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference				
					Lower				Upper
Pair 1	Pretest - Posttest	14.000	11.644	2.162	9.571	18.429	6.475	28	.000

2. Data diatas dinyatakan tidak berdistribusi normal maka uji apa yang digunakan untuk mengetahui adakah pengaruh dari ke2 variabel tersebut?

- Uji Wilcoxon

Ranks

		N	Mean Rank	Sum of Ranks
Hasil Posttest - Hasil Pretest	Negative Ranks	18 ^a	9.50	171.00
	Positive Ranks	0 ^b	.00	.00
	Ties	11 ^c		
	Total	29		

a. Hasil Posttest < Hasil Pretest

b. Hasil Posttest > Hasil Pretest

c. Hasil Posttest = Hasil Pretest

Test Statistics^a

	Hasil Posttest - Hasil Pretest
Z	-4.243 ^b
Asymp. Sig. (2-tailed)	.000

a. Wilcoxon Signed Ranks Test

b. Based on positive ranks.

PERTANYAAN

	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10	P11	P12	P13	P14	P15	P16	P17	P18	P19	P20	P21	P22	P23	P24	P25	P26	P27
R1	1	4	2	1	1	2	1	1	1	1	2	4	4	4	3	1	4	2	1	4	2	2	3	4	3	1	1
R2	1	4	4	3	3	3	1	1	1	1	4	1	1	1	1	4	1	1	2	1	4	1	1	1	1	1	4
R3	4	3	3	4	4	1	2	3	3	4	4	1	2	2	4	1	4	3	4	2	3	3	4	1	1	2	4
R4	1	1	1	4	1	2	4	4	3	3	4	1	1	2	4	1	2	4	3	4	2	4	4	3	1	3	2
R5	1	4	3	4	3	2	4	1	4	4	3	1	1	2	3	4	4	3	4	1	2	1	4	1	2	4	4
R6	4	1	1	1	1	1	1	3	2	1	1	2	3	1	4	3	2	2	2	3	3	3	2	1	1	2	2
R7	4	1	4	4	4	2	4	2	3	1	1	2	2	2	3	2	1	1	3	4	1	1	1	1	2	4	1
R8	3	4	4	4	3	3	2	3	4	4	4	4	4	3	3	4	1	4	4	4	4	4	4	2	2	3	1
R9	1	1	4	4	4	4	3	3	4	3	3	1	1	2	3	2	3	3	3	2	3	3	3	3	2	2	4
R10	1	1	4	4	4	2	1	4	3	4	4	1	1	1	3	1	3	4	4	1	3	4	4	3	2	1	4
R11	3	4	3	4	4	4	1	4	4	4	3	1	2	2	1	2	4	3	4	4	4	3	1	4	2	4	4
R12	4	3	4	4	4	2	2	4	4	4	4	1	4	2	1	3	1	1	1	1	3	2	2	2	4	1	2
R13	2	4	4	4	4	1	2	3	3	4	4	1	2	2	2	2	3	3	1	2	1	2	2	1	4	2	1
R14	2	2	4	4	4	3	4	4	3	4	4	4	4	1	4	1	4	1	1	4	4	1	1	1	4	1	4
R15	4	3	2	1	3	3	2	1	2	1	3	2	3	1	1	2	1	3	3	4	1	3	3	3	4	2	3
R16	2	4	4	4	4	2	3	2	3	3	4	2	2	2	4	1	3	4	3	2	4	3	3	3	3	3	2
R17	2	4	4	4	4	2	3	3	3	3	3	1	2	2	4	1	3	4	3	2	4	3	3	3	3	2	2
R18	2	3	4	3	3	2	1	3	2	2	2	3	2	4	2	3	2	3	2	2	2	1	3	2	2	3	1
R19	1	1	3	3	2	4	4	2	1	2	3	1	4	3	1	1	1	3	1	3	2	3	4	4	4	4	2
R20	2	1	3	3	2	4	4	2	1	2	3	1	3	3	1	1	2	3	2	3	3	1	1	2	4	3	2
R21	1	1	4	1	1	4	2	1	1	1	3	1	1	1	1	1	1	3	1	2	3	1	4	4	2	4	1
R22	1	4	4	4	4	4	1	2	3	4	3	1	4	2	2	1	2	3	2	4	4	3	4	4	3	2	2
R23	2	4	2	4	4	4	4	1	2	2	4	1	2	3	3	1	1	2	2	4	2	2	3	3	3	4	1
R24	1	4	4	4	4	3	2	4	4	4	3	4	2	1	4	4	1	1	3	2	3	3	2	3	2	4	3
R25	4	4	3	2	2	3	4	4	4	3	3	1	3	3	4	4	4	4	1	2	4	3	4	3	1	4	1

R26	2	1	2	1	2	4	4	3	3	4	4	3	4	1	1	3	4	2	1	2	4	3	4	3	1	4	1
R27	1	3	4	4	3	4	4	3	3	4	3	2	1	3	2	3	4	2	4	2	4	3	4	3	1	4	1
R28	1	2	1	4	4	2	2	2	2	3	2	1	1	1	2	1	2	2	3	1	1	1	4	4	2	2	1
R29	1	4	4	4	4	2	2	4	4	4	3	1	1	1	4	1	4	4	4	2	1	1	4	2	1	2	2
R30	2	3	4	4	4	4	4	2	2	2	2	3	3	3	2	3	4	4	4	3	2	2	2	2	3	3	2

JAWABAN

1. Lakukan Uji validitas dan Reliabilitas pada Responden di atas.

Reliability Statistics

Cronbach's Alpha	N of Items
.674	27

Item Statistics

	Mean	Std. Deviation	N
VAR00027	2.17	1.177	30
VAR00026	2.70	1.119	30
VAR00025	2.33	1.093	30
VAR00024	2.53	1.074	30
VAR00023	2.93	1.143	30
VAR00022	2.33	1.028	30
VAR00021	2.77	1.104	30
VAR00020	2.57	1.104	30
VAR00019	2.53	1.167	30
VAR00018	2.73	1.048	30
VAR00017	2.53	1.252	30
VAR00016	2.07	1.172	30
VAR00015	2.57	1.194	30
VAR00014	2.03	.928	30
VAR00013	2.33	1.155	30
VAR00012	1.77	1.104	30
VAR00011	3.10	.885	30
VAR00010	2.87	1.196	30
VAR00009	2.73	1.048	30
VAR00008	2.63	1.098	30
VAR00007	2.60	1.221	30
VAR00006	2.77	1.040	30
VAR00005	3.13	1.106	30
VAR00004	3.30	1.149	30
VAR00003	3.23	1.040	30
VAR00002	2.77	1.305	30

Item-Total Statistics

	Scale Mean if Item Deleted	Scale Variance if Item Deleted	Corrected Item- Total Correlation	Cronbach's Alpha if Item Deleted
VAR00027	67.90	93.197	.071	.678
VAR00026	67.37	92.516	.113	.674
VAR00025	67.73	97.306	-.107	.692
VAR00024	67.53	96.051	-.048	.687
VAR00023	67.13	93.775	.051	.680
VAR00022	67.73	86.685	.442	.647
VAR00021	67.30	87.528	.361	.653
VAR00020	67.50	94.052	.043	.680
VAR00019	67.53	88.257	.300	.658
VAR00018	67.33	89.678	.273	.661
VAR00017	67.53	87.568	.302	.657
VAR00016	68.00	93.172	.073	.678
VAR00015	67.50	89.569	.230	.664
VAR00014	68.03	92.930	.135	.671
VAR00013	67.73	92.961	.086	.677
VAR00012	68.30	92.700	.107	.675
VAR00011	66.97	90.240	.308	.660
VAR00010	67.20	80.924	.644	.624
VAR00009	67.33	82.437	.665	.628
VAR00008	67.43	86.737	.404	.649
VAR00007	67.47	91.499	.138	.673
VAR00006	67.30	93.045	.103	.674
VAR00005	66.93	87.995	.337	.655
VAR00004	66.77	86.116	.411	.648
VAR00003	66.83	89.730	.274	.661
VAR00002	67.30	87.045	.306	.657
VAR00001	68.03	95.137	-.012	.685