

- e. Alat ukur atau instrumen penelitian yang dapat diterima sesuai standart adalah alat alat ukur yang telah di uji validitas dan realibitas data. Uji validitas dapat menggunakan rumus *Perason Product Moment*, setelah itu di uji dengan menggunakan uji *t* dan lalu baru di lihat penafsiran dari indeks dan korelasinya

$$r_{hitung} = \frac{n(\sum xy) - (\sum x) \cdot (\sum y)}{\sqrt{[n \cdot \sum x^2 - (\sum x)^2] \cdot [n \cdot \sum y^2 - (\sum y)^2]}}$$

Keterangan

r_{hitung} : Koefisiensi Korelasi

$\sum X_i$: jumlah skor item

$\sum Y_i$: jumlah skor total (item)

n : jumlah responden

HASIL PERHITUNGAN UJI VALIDITAS

Correlations					
		P11_1	P11_2	P11_3	P11
P11_1	Pearson Correlation	1	.182	-.318	.625
	Sig. (2-tailed)		.614	.371	.053
	N	10	10	10	10
P11_2	Pearson Correlation	.182	1	.041	.848**
	Sig. (2-tailed)	.614		.911	.002
	N	10	10	10	10
P11_3	Pearson Correlation	-.318	.041	1	.090
	Sig. (2-tailed)	.371	.911		.804
	N	10	10	10	10
P11	Pearson Correlation	.625	.848**	.090	1
	Sig. (2-tailed)	.053	.002	.804	
	N	10	10	10	10

** . Correlation is significant at the 0.01 level (2-tailed).

Correlations

		p12_1	p12_2	p12_3	p12_4	p12
p12_1	Pearson Correlation	1	.232	-.188	.550	.531
	Sig. (2-tailed)		.519	.602	.099	.115
	N	10	10	10	10	10
p12_2	Pearson Correlation	.232	1	.308	.773**	.875**
	Sig. (2-tailed)	.519		.387	.009	.001
	N	10	10	10	10	10
p12_3	Pearson Correlation	-.188	.308	1	.217	.419
	Sig. (2-tailed)	.602	.387		.547	.229
	N	10	10	10	10	10
p12_4	Pearson Correlation	.550	.773**	.217	1	.942**
	Sig. (2-tailed)	.099	.009	.547		.000
	N	10	10	10	10	10
p12	Pearson Correlation	.531	.875**	.419	.942**	1
	Sig. (2-tailed)	.115	.001	.229	.000	
	N	10	10	10	10	10

Correlations

		p13_1	p13_2	p13_3	p13_4	p13
p13_1	Pearson Correlation	1	.650*	.685*	.485	.846**
	Sig. (2-tailed)		.042	.029	.156	.002
	N	10	10	10	10	10
p13_2	Pearson Correlation	.650*	1	.667*	.522	.853**
	Sig. (2-tailed)	.042		.035	.121	.002
	N	10	10	10	10	10
p13_3	Pearson Correlation	.685*	.667*	1	.699*	.898**
	Sig. (2-tailed)	.029	.035		.025	.000
	N	10	10	10	10	10
p13_4	Pearson Correlation	.485	.522	.699*	1	.779**
	Sig. (2-tailed)	.156	.121	.025		.008
	N	10	10	10	10	10
p13	Pearson Correlation	.846**	.853**	.898**	.779**	1
	Sig. (2-tailed)	.002	.002	.000	.008	
	N	10	10	10	10	10

*. Correlation is significant at the 0.05 level (2-tailed).

**. Correlation is significant at the 0.01 level (2-tailed).

Correlations

		p14_1	p14_2	p14_3	p14
p14_1	Pearson Correlation	1	.905**	.592	.953**
	Sig. (2-tailed)		.000	.071	.000
	N	10	10	10	10
p14_2	Pearson Correlation	.905**	1	.559	.943**
	Sig. (2-tailed)	.000		.093	.000
	N	10	10	10	10
p14_3	Pearson Correlation	.592	.559	1	.766**
	Sig. (2-tailed)	.071	.093		.010
	N	10	10	10	10
p14	Pearson Correlation	.953**	.943**	.766**	1
	Sig. (2-tailed)	.000	.000	.010	
	N	10	10	10	10

Correlations

		p15_1	p15_2	p15_3	p15
p15_1	Pearson Correlation	1	-.442	.492	.223
	Sig. (2-tailed)		.201	.148	.535
	N	10	10	10	10
p15_2	Pearson Correlation	-.442	1	-.176	.677*
	Sig. (2-tailed)	.201		.627	.032
	N	10	10	10	10
p15_3	Pearson Correlation	.492	-.176	1	.542
	Sig. (2-tailed)	.148	.627		.106
	N	10	10	10	10
p15	Pearson Correlation	.223	.677*	.542	1
	Sig. (2-tailed)	.535	.032	.106	
	N	10	10	10	10

*. Correlation is significant at the 0.05 level (2-tailed).

Correlations

		p16_1	p16_2	p16_3	p16
p16_1	Pearson Correlation	1	-.373	.667*	.468
	Sig. (2-tailed)		.289	.035	.173
	N	10	10	10	10
p16_2	Pearson Correlation	-.373	1	-.248	.598
	Sig. (2-tailed)	.289		.489	.068
	N	10	10	10	10
p16_3	Pearson Correlation	.667*	-.248	1	.535
	Sig. (2-tailed)	.035	.489		.111
	N	10	10	10	10
p16	Pearson Correlation	.468	.598	.535	1
	Sig. (2-tailed)	.173	.068	.111	
	N	10	10	10	10

*. Correlation is significant at the 0.05 level (2-tailed).

Correlations

		p17_1	p17_2	p17_3	p17
p17_1	Pearson Correlation	1	. ^a	-.248	.201
	Sig. (2-tailed)		.	.489	.578
	N	10	10	10	10
p17_2	Pearson Correlation	. ^a	. ^a	. ^a	. ^a
	Sig. (2-tailed)	.	.	.	.
	N	10	10	10	10
p17_3	Pearson Correlation	-.248	. ^a	1	.899**
	Sig. (2-tailed)	.489	.		.000
	N	10	10	10	10
p17	Pearson Correlation	.201	. ^a	.899**	1
	Sig. (2-tailed)	.578	.	.000	
	N	10	10	10	10

a. Cannot be computed because at least one of the variables is constant.

**. Correlation is significant at the 0.01 level (2-tailed).

Correlations

		p18_1	p18_2	p18_3	p18_4	p18_5	p18
p18_1	Pearson Correlation	1	.055	.218	.000	.500	.553
	Sig. (2-tailed)		.881	.545	1.000	.141	.097
	N	10	10	10	10	10	10
p18_2	Pearson Correlation	.055	1	-.048	.325	-.218	.709*
	Sig. (2-tailed)	.881		.896	.359	.545	.022
	N	10	10	10	10	10	10
p18_3	Pearson Correlation	.218	-.048	1	.163	-.218	.347
	Sig. (2-tailed)	.545	.896		.653	.545	.326
	N	10	10	10	10	10	10
p18_4	Pearson Correlation	.000	.325	.163	1	-.447	.567
	Sig. (2-tailed)	1.000	.359	.653		.195	.087
	N	10	10	10	10	10	10
p18_5	Pearson Correlation	.500	-.218	-.218	-.447	1	.069
	Sig. (2-tailed)	.141	.545	.545	.195		.849
	N	10	10	10	10	10	10
p18	Pearson Correlation	.553	.709*	.347	.567	.069	1
	Sig. (2-tailed)	.097	.022	.326	.087	.849	
	N	10	10	10	10	10	10

*. Correlation is significant at the 0.05 level (2-tailed).

Correlations

		p19_1	p19_2	p19_3	p19
p19_1	Pearson Correlation	1	.880**	.412	.890**
	Sig. (2-tailed)		.001	.237	.001
	N	10	10	10	10
p19_2	Pearson Correlation	.880**	1	.574	.963**
	Sig. (2-tailed)	.001		.083	.000
	N	10	10	10	10
p19_3	Pearson Correlation	.412	.574	1	.738*
	Sig. (2-tailed)	.237	.083		.015
	N	10	10	10	10
p19	Pearson Correlation	.890**	.963**	.738*	1
	Sig. (2-tailed)	.001	.000	.015	
	N	10	10	10	10

** . Correlation is significant at the 0.01 level (2-tailed).

* . Correlation is significant at the 0.05 level (2-tailed).

Correlations

		p20_1	p20_2	p20_3	p20_4	p20
p20_1	Pearson Correlation	1	-.259	.044	.029	.541
	Sig. (2-tailed)		.469	.904	.936	.106
	N	10	10	10	10	10
p20_2	Pearson Correlation	-.259	1	.512	.555	.573
	Sig. (2-tailed)	.469		.130	.096	.084
	N	10	10	10	10	10
p20_3	Pearson Correlation	.044	.512	1	.667*	.699*
	Sig. (2-tailed)	.904	.130		.035	.025
	N	10	10	10	10	10
p20_4	Pearson Correlation	.029	.555	.667*	1	.745*
	Sig. (2-tailed)	.936	.096	.035		.013
	N	10	10	10	10	10
p20	Pearson Correlation	.541	.573	.699*	.745*	1
	Sig. (2-tailed)	.106	.084	.025	.013	
	N	10	10	10	10	10

* . Correlation is significant at the 0.05 level (2-tailed).

HASIL PERHITUNGAN UJI VALIDITAS

NO PERTANYAAN	POINT	STATUS VALIDITAS	STATUS RELIABELITAS
11	1	Tidak Valid	tidak dapat diuji
	2	Valid	
	3	Tidak Valid	
12	1	Tidak Valid	tidak dapat diuji
	2	Valid	
	3	Tidak Valid	
	4	Valid	
13	1	Valid	Reliabel
	2	Valid	
	3	Valid	
	4	Valid	
14	1	Valid	Reliabel
	2	Valid	
	3	Valid	
15	1	Tidak Valid	tidak dapat diuji
	2	Valid	
	3	Tidak Valid	
16	1	Tidak Valid	tidak dapat diuji
	2	Tidak Valid	
	3	Tidak Valid	
17	1	Tidak Valid	tidak dapat diuji
	2	Tidak Valid	
	3	Tidak Valid	
18	1	Tidak Valid	tidak dapat diuji
	2	Valid	
	3	Tidak Valid	
	4	Tidak Valid	
	5	Tidak Valid	
19	1	Valid	Reliabel
	2	Valid	
	3	Valid	
20	1	Tidak Valid	tidak dapat diuji
	2	Tidak Valid	
	3	Valid	
	4	Valid	

NO	BULAN	2012
1.	JANUARI	55
2.	FEBRUARI	26
3.	MARET	40
4.	APRIL	59
5.	MEI	50
6.	JUNI	54
7.	JULI	40
8.	AGUSTUS	40
9.	SEPTEMBER	42
10.	OKTOBER	49