

Lampiran 1

Data *Pre test* Kelas IV SD Negeri 101804 Gedung Johor T.A 2021/2022

Data *Pre Test* Kelas IV-A

No.	Nama	Nilai
1	Kezia	0
2	Febi Ulina	0
3	Predyan	0
4	Cut Raisa	0
5	Nur Asmarani	0
6	Juwinda	10
7	Januari Amanda	10
8	Melvin	10
9	Jepindo	20
10	Arif Rahadi	20
11	Nira Warni	20
12	Septian	30
13	Richard	30
14	Winda	30
15	Salsabila	30
16	Shela Tri	30
17	Arini	30
18	Natanael	30
19	Rifay Dalinov	40
20	Moniquita	50

Data *Pre Test* Kelas IV-B

No.	Nama	Nilai
1	Arshanda	0
2	Gibran	0
3	Dinda Ginting	0
4	Arhan	0
5	Boby	0
6	Maykel	10
7	Miranti	10
8	Berliana	10
9	Priadiya	10
10	Fatir	10
11	Halimah	10
12	Firman	10
13	Alex Barus	10
14	Fitri	10
15	Letisya	20
16	Rivan	20
17	Andra	30
18	Erikson	30
19	Ayu Fadila	40
20	Aulya	50

Lampiran 2

Pre test Kelas IV-A

$$R = 50,00 - 0,00$$

$$R = 50,00$$

$$k = 1 + 3.3 \log n$$

$$k = 5,29 \quad 5$$

$$P = \frac{R}{k}$$

$$p = 10,00 \quad 10$$

satu satuan terkecil data = 0,01

TABEL DISTRIBUSI FREKUENSI NILAI					
NO.	Nilai			f_i	f_{rel}
1	0,00	-	9,99	5	25,00
2	10,00	-	19,99	3	15,00
3	20,00	-	29,99	3	15,00
4	30,00	-	39,99	7	35,00
5	40,00	-	49,99	1	5,00
6	50,00	-	59,99	1	5,00
				20	100,00

Tabel Distribusi *Pre test* Frekuensi Nilai Kelas Eksperimen

No.	Nilai			f_i	x_i	x_i^2	$f_i \cdot X_i$	$f_i \cdot x_i^2$
1	0,00	-	9,99	5	4,995	24,9500	24,975	124,7501
2	10,00	-	19,99	3	14,995	224,8500	44,985	674,5501
3	20,00	-	29,99	3	24,995	624,7500	74,985	1874,2501
4	30,00	-	39,99	7	34,995	1224,6500	244,965	8572,5502
5	40,00	-	49,99	1	44,995	2024,5500	44,995	2024,5500
6	50,00	-	59,99	1	54,995	3024,4500	54,995	3024,4500
				20			489,900	16295,1005

Lampiran 3

Uji Normalitas Data *Pre test* Kelas IV-A

batas kelas ()	Nilai Z_i	Luas Z_i	Luas Tiap Interval	O_i	E_i	$(O_i - E_i)^2$	$\frac{(O_i - E_i)^2}{E_i}$
-0,005	-1,63	0,4484	0,1144	5	2,2880	7,3549	3,2146
9,995	-0,97	0,3340	0,2161	3	4,3220	1,7477	0,4044
19,995	-0,30	0,1179	0,2622	3	5,2440	5,0355	0,9602
29,995	0,37	0,1443	0,2042	7	4,0840	8,5031	2,0820
39,995	1,03	0,3485	0,1069	1	2,1380	1,2950	0,6057
49,995	1,70	0,4554	0,0357	1	0,7140	0,0818	0,1146
59,995	2,37	0,4911	-	-	-	-	-
-	-	-	-	-	-	-	7,3815
=	7,38	<	χ^2_{tabel}	7,89			
SIMPULAN H_0 TERIMA ATAU DATA BERDISTRIBUSI NORMAL							

Lampiran 4

Pre test Kelas IV-B

$$R = 50,00 - 0,00$$

$$R = 50,00$$

$$k = 1 + 3.3 \log n$$

$$k = 5,29 \quad 5$$

$$P = \frac{R}{k}$$

$$p = 10,00 \quad 10$$

satu satuan terkecil data 0,01

TABEL DISTRIBUSI FREKUENSI NILAI					
NO.	Nilai			f_i	f_{rel}
1	0,00	-	9,99	3	15,00
2	10,00	-	19,99	4	20,00
3	20,00	-	29,99	8	40,00
4	30,00	-	39,99	3	15,00
5	40,00	-	49,99	1	5,00
6	50,00	-	59,99	1	5,00
Σ				20	100,00

Tabel Distribusi Pre test Frekuensi Nilai Kelas Kontrol

No.	Nilai			f_i	x_i	x_i^2	$f_i \cdot x_i$	$f_i \cdot x_i^2$
1	0,00	-	9,99	3	4,9950	24,9500	14,985	74,8501
2	10,00	-	19,99	4	14,9950	224,8500	59,980	899,4001
3	20,00	-	29,99	8	24,9950	624,7500	199,960	4998,0002
4	30,00	-	39,99	3	34,9950	1224,6500	104,985	3673,9501
5	40,00	-	49,99	1	44,9950	2024,5500	44,995	2024,5500
6	50,00	-	59,99	1	54,9950	3024,4500	54,995	3024,4500
				20			479,900	14695,2005

Lampiran 5

Uji Normalitas Data *Pre test* Kelas IV-B

batas kelas ()	Nilai Z_i	Luas Z_i	Luas Tiap Interval	O_i	E_i	$(O_i - E_i)^2$	$\frac{(O_i - E_i)^2}{E_i}$
-0,005	-1,85	0,4678					
			0,1079	3	2,15800	0,7090	0,3285
9,995	-1,08	0,3599					
			0,2382	4	4,76400	0,5837	0,1225
19,995	-0,31	0,1217					
			0,2989	8	5,97800	4,0885	0,6839
29,995	0,46	0,1772					
			0,2135	3	4,27000	1,6129	0,3777
39,995	1,23	0,3907					
			-0,2135	1	-4,27000	27,7729	-6,5042
49,995	2,00	0,1772					
			0,32	1	6,40000	29,1600	4,5563
59,995	2,77	0,4972					
-	-	-	-	-	-	-	-0,4352
=	-0,44	<	χ^2_{tabel}	7,81			
SIMPULAN	H_0 TERIMA ATAU DATA BERDISTRIBUSI NORMAL						

Lampiran 7

Uji Hipotesis Nilai *Pre test* Kelas IV-A dan IV-B

<u>Nilai Uji t</u>	
$t = \frac{\bar{x}_1 - \bar{x}_2}{s \sqrt{\frac{1}{n_1} + \frac{1}{n_2}}}$	$s = \sqrt{\frac{(n_1-1)S_1^2 + (n_2-1)S_2^2}{(n_1+n_2-2)}}$
t = 0,11	s = 14,0357
$t_{hitung} < t_{tabel} = 2,012$, maka H_0 diterima	
$\chi^2 \left(1 - \frac{1}{2} \alpha \right) (n_1 + n_2 - 2)$ $\chi^2 (0.975) (38)$ $t_{tabel} = 2,012$	
$\mu_1 = \mu_2$	
Hasil belajar siswa pada mata pelajaran PKn antara kelas IVA dengan IV B adalah setara	

Lampiran 8

Data *Post test* Kelas IV SD Negeri 101804 Gedung Johor T.A 2021/2022

Data Post test kelas IV-A

Data Post Test Menggunakan Model Pembelajaran Based Learning		
No.	Nama	Nilai
1	Januardi Ananda	100
2	Febi Ulina	100
3	Moniquita	90
4	Septian	90
5	Arif Rahadi	90
6	Melvin	90
7	Richard	90
8	Winda	90
9	Arini	80
10	Nur Asmarani	80
11	Juwinda	80
12	Rifay Dalinov	80
13	Jepindo	70
14	Natanael	70
15	Nira Warni	70
16	Kezia	60
17	Cut Raisa	60
18	Salsabila	60
19	Shela Tri	60
20	Predian	60

Data Post test kelas IV-B

Data Post Test Menggunakan Model Pembelajaran Konvensional		
No.	Nama	Nilai
1	Miranti	90
2	Ayu Fadila	80
3	Andra	80
4	Firman	80
5	Erikson	80
6	Berliana	70
7	Gibran	70
8	Priadiva	70
9	Aulya	70
10	Fatir	70
11	Halimah	70
12	Fitri	60
13	Maykel	60
14	Arshanda	60
15	Letisya	60
16	Rivan	50
17	Alex Barus	50
18	Dinda Ginting	50
19	Arhan	50
20	Boby	50

Lampiran 9

Post test Kelas IV-A

$$R = 100,00 - 60,00$$

$$R = 40,00$$

$$k = 1 + 3.3 \log n$$

$$k = 5,55 \quad 6$$

$$P = \frac{R}{k}$$

$$p = 6,67 \quad 7$$

satu satuan terkecil data = 0,01

NO.	TABEL DISTRIBUSI FREKUENSI NILAI				f_i	f_{rel}
	Nilai					
1	60,00	-	66,99	1	5,00	
2	67,00	-	73,99	2	10,00	
3	74,00	-	80,99	3	15,00	
4	81,00	-	87,99	6	30,00	
5	88,00	-	94,99	5	25,00	
6	95,00	-	101,99	3	15,00	
Σ				20	100,00	

Tabel Distribusi Frekuensi Nilai Kelas Eksperimen

Distribusi Data Post Test								
No.	Nilai			f_i	x_i	x_i^2	$f_i \cdot x_i$	$f_i \cdot x_i^2$
1	60,00	-	66,99	1	63,495	4031,6150	63,4950	4031,6150
2	67,00	-	73,99	2	70,495	4969,5450	140,9900	9939,0901
3	74,00	-	80,99	3	77,495	6005,4750	232,4850	18016,4251
4	81,00	-	87,99	6	84,495	7139,4050	506,9700	42836,4302
5	88,00	-	94,99	5	91,495	8371,3350	457,4750	41856,6751
6	95,00	-	101,99	3	98,495	9701,2650	295,4850	29103,7951
				20			1696,9000	145784,0305

Ket:

Mencari rata-rata;

	$\bar{X} = \frac{\sum f_i \cdot X_i}{\sum f_i}$		$s = \sqrt{\frac{n(\sum f_i \cdot x_i^2) - (\sum f_i \cdot x_i)^2}{n(n-1)}}$	
=	84,845000	=	9,7618	
=	84,85	=	9,77	



Lampiran 10

Uji Normalitas Data *Post test* Kelas IV-A

batas kelas (x_i)	Nilai Z_i	Luas Z_i	Luas Tiap Interval	O_i	E_i	$(O_i - E_i)^2$	$\frac{(O_i - E_i)^2}{E_i}$
59,995	-2,54	0,4945					
			0,0284	1	0,5680	0,1866	0,3286
66,995	-1,83	0,4661					
			0,0996	2	1,9920	0,0001	0,0000
73,995	-1,11	0,3665					
			0,2148	3	4,2960	1,6796	0,3910
80,995	-0,39	0,1517					
			0,2772	6	5,5440	0,2079	0,0375
87,995	0,32	0,1255					
			0,2253	5	4,5060	0,2440	0,0542
94,995	1,04	0,3508					
			0,1091	3	2,1820	0,6691	0,3067
101,995	1,75	0,4599					
-	-	-	-	20	-	-	1,1179
$\chi^2 =$	1,12	<	χ^2_{tabel}	7,81			
SIMPULAN H_0 TERIMA ATAU DATA BERDISTRIBUSI NORMAL							

Lampiran 11

Post test Kelas IV-B

$$R = 90,00 - 50,00$$

$$R = 40,00$$

$$k = 1 + 3.3 \log n$$

$$k = 5,67 \quad 6$$

$$P = \frac{R}{k}$$

$$p = 6,67 \quad 7$$

satu satuan terkecil data = 0,01

NO.	TABEL DISTRIBUSI FREKUENSI NILAI			f_i	f_{rel}
	Nilai				
1	50,00	-	56,99	2	10,00
2	57,00	-	63,99	4	20,00
3	64,00	-	70,99	6	30,00
4	71,00	-	77,99	4	20,00
5	78,00	-	84,99	2	10,00
6	85,00	-	91,99	2	10,00
Σ				20	100,00

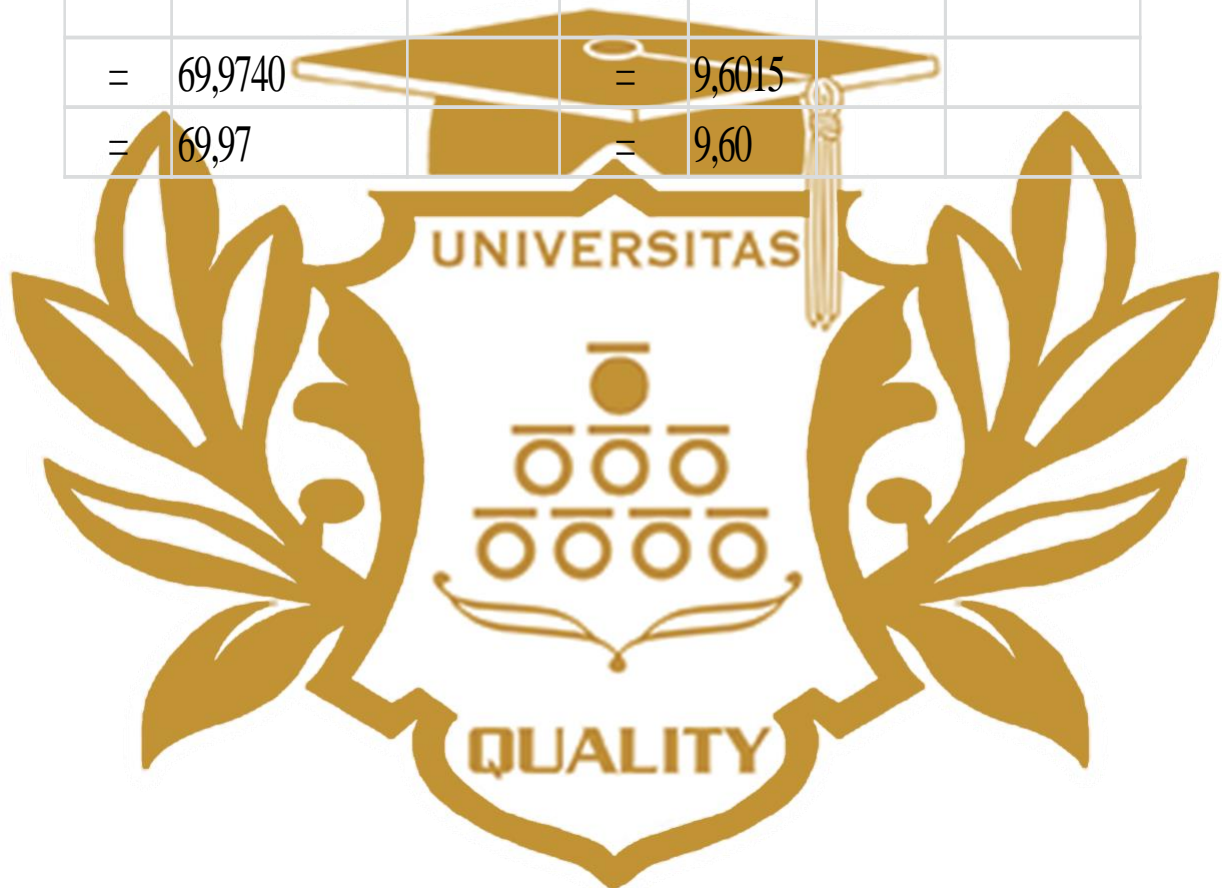
Tabel Distribusi Frekuensi Nilai Kelas Kontrol

Distribusi Data PostTest								
No.	Nilai			f_i	x_i	x_i^2	$f_i \cdot X_i$	$f_i \cdot x_i^2$
1	57,58	-	56,99	2	57,285	3281,5712	114,5700	6563,1425
2	57,00	-	63,99	4	60,495	3659,6450	241,9800	14638,5801
3	64,00	-	70,99	6	67,495	4555,5750	404,9700	27333,4502
4	71,00	-	77,99	4	74,495	5549,5050	297,9800	22198,0201
5	78,00	-	84,99	2	81,495	6641,4350	162,9900	13282,8701
6	85,00	-	91,99	2	88,495	7831,3650	176,9900	15662,7301
				20			1399,4800	99678,7929

Ket:

Mencari rata-rata;

$\bar{X} = \frac{\sum f_i \cdot X_i}{\sum f_i}$	$s = \sqrt{\frac{n(\sum f_i \cdot x_i^2) - (\sum f_i \cdot x_i)^2}{n(n-1)}}$
= 69,9740	= 9,6015
= 69,97	= 9,60



Lampiran 12

Uji Normalitas Data *Post test* Kelas IV-B

	kelas (x_i)	Z_i	Z_i	Interval	O_i	E_i	$(O_i - E_i)^2$	$\frac{(O_i - E_i)^2}{E_i}$
	49,995	-2,08	0,4812					E_i
				0,0697	2	1,39400	0,3672	0,2634
	56,995	-1,35	0,4115					
				0,1791	4	3,58200	0,1747	0,0488
	63,995	-0,62	0,2324					
				0,1886	6	3,77200	4,9640	1,3160
	70,995	0,11	0,0438					
				0,3434	4	6,86800	8,2254	1,1976
	77,995	0,84	0,2996					
				0,1422	2	2,84400	0,7123	0,2505
	84,995	1,57	0,4418					
				0,0472	2	0,94400	1,1151	1,1813
	91,995	2,29	0,4890					
	-	-	-	-	20	-	-	4,2576
	$\chi^2 =$	4,26	$<$	$\chi^2_{tabel} =$	7,81			
	SIMPULAN H_0 TERIMA ATAU DATA BERDISTRIBUSI NORMAL							

Lampiran 13

Uji Homogenitas Varians *Post test* Kelas IV-A Dan IV-B

UJI HOMOGENITAS VARIANS			
			$F = \frac{\text{Varians Terbesar}}{\text{Varians Terkecil}}$
			$F = \frac{95,453}{92,160}$
			$F = 1,0357$
$df_1 = n_1 - 1$			$df_2 = n_2 - 1$
$df_1 = 20$	-	1	$df_2 = 20 - 1$
$df_1 = 19$			$df_2 = 19$
			$F < F_{tabel}$ maka H_0 diterima
			1,036 < 2,020

Lampiran 14

Uji Hipotesis Post test Kelas IV-A dan Kelas IV-B

<u>Nilai Uji t</u>	
$t = \frac{\bar{x}_1 - \bar{x}_2}{s \sqrt{\frac{1}{n_1} + \frac{1}{n_2}}}$	$S = \sqrt{\frac{(n_1 - 1)S_1^2 + (n_2 - 1)S_2^2}{(n_1 + n_2 - 2)}}$
$t = 4,86$	$s = 9,69$
$t_{(tabel)} = 2,012$	
$t_{hitung} > t_{tabel}, \text{ maka } H_1 \text{ diterima}$	
$\chi^2 \left(1 - \frac{1}{2} \alpha \right) (n_1 + n_2 - 2)$	
$\chi^2 (0,975) (38)$	
$t_{tabel} = 2,012$	
<p>SIMPULAN :</p>	
$\mu_1 = \mu_2$	
<p>Hasil belajar siswa pada mata pelajaran materi sikap kerjasama dalam berbagai keragaman suku banga menggunakan model pembelajaran Problem Baesed Learning lebih baik dari pada menggunakan model pembelajaran konvensional kelas IV SD Negeri 101804 Gedung Johor Kecamatan Namu Rambe T.A 2021/2022</p>	