

APPENDICES

Appendix 1

LIST OF STUDENTS OF VIII D (EXPERIMENTAL CLASS)

NO	NAME	CODE
1	AHMAD SOHIBUL MIGHFAR	E-01
2	ALI IMRON	E-02
3	ANIS SAFITRI	E-03
4	ARFIDHATUR ROHMATUS SALIS	E-04
5	FAISAL ARI UTOMO	E-05
6	FATAH NUR WAKHID	E-06
7	FATIKHATUL AZIZAH	E-07
8	FATKHUR ROKHMAN	E-08
9	FIKY ADI SETIANTO	E-09
10	IIS NUR KHOFIFAH	E-10
11	IVA ARIYATUL ELIA	E-11
12	KHAMDAN	E-12
13	KHILYATUN NAFISAH	E-13
14	KHOIRIYAH	E-14
15	KHOIRUL UMMAH	E-15
16	LIA SIL VIA	E-16
17	LINATUZ ZAHROK	E-17
18	LINDA SAFITRI	E-18
19	M. NUR ALAIK AL HASANI ABRARI	E-19
20	MUHAMAD HUSEN	E-20

21	MUHAMMAD BAIHAQI MAULANA	E-21
22	MUHAMMAD HILAL	E-22
23	MUHAMMAD JAMALUDIN	E-23
24	MUHAMMAD JAZILUN NIAM	E-24
25	MUHAMMAD NUR IHSAN	E-25
26	MUHAMMAD SAEFUDIN	E-26
27	MUZAIROH	E-27
28	NUR HASANAH	E-28
29	NUR IDA WAHYUNI	E-29
30	NUR KHAFIDH	E-30
31	NUR SEHAH ULYA	E-31
32	NURUL IKHSAN	E-32
33	NURUR RIZAL	E-33
34	QOMARUDDIN	E-34
35	SAMSUL HUDA	E-35
36	SHOFIYULLOH	E-36
37	SUKAMAH	E-37
38	VERI RAHMAWAN	E-38

Appendix 2

LIST OF STUDENTS OF VIII E (CONTROL CLASS)

NO	NAME	CODE
1	ABDUL WAKHID	C-01
2	AHMAD MUAMAR	C-02
3	AHMAD NAJIB	C-03
4	AMIN SULAIMAN	C-04
5	FATIMATUZ ZAHROH	C-05
6	FELA RAFITA SARI	C-06
7	HENI LISTIYANINGSIH	C-07
8	KHORIDATUL BARIYAH	C-08
9	LILIK IRFANA	C-09
10	LUTFI INAYAH	C-10
11	MOHAMMAD KHAQIN NAZIL	C-11
12	MOHAMMAD SELAMET SHOFIYULLOH	C-12
13	MUH. BAHRUR ROHIM	C-13
14	MUHAMAD FAHRUDIN	C-14
15	MUHAMMAD SODIKIN	C-15
16	MUHAMMAD ABDUL KHARIS	C-16
17	MUHAMMAD ALFANNUR	C-17
18	MUHAMMAD AR FAHSAD	C-18
19	MUHAMMAD KAFIL	C-19
20	MUHAMMAD SAHAL MAHFUD	C-20
21	MUHAMMAD SHOFIYUL HAKIM	C-21
22	MUHAMMAD SODIKIN	C-22
23	MUHAMMAD WAHYU	C-23

24	MUTHORI ABDUR ROZAK	C-24
25	MUKHAMAD UMAR AL FARUQ	C-25
26	MUKHAMMAD KHUSNI MUBAROK	C-26
27	PUTRI ROHMAWATI	C-27
28	ROKHMATUL UMMAH	C-28
29	SALSHAFILDA LIVIA LALITA	C-29
30	SHINTA ELFA NURIYAH	C-30
31	SHOLIKHIN	C-31
32	SITI MUTMAINAH	C-32
33	TAUFIKUR ROHMAN	C-33
34	ULIL ALBAB	C-34
35	ULIN NIKMAH	C-35

Appendix 3

NO	Activity	Month/ Date					
		April- Mei					
1	Pre test	21 st	27 th	28 th	3 rd	4 th	5 th
	a. Experimental Class	√					
	b. Control Class	√					
2	Treatment in experimental class		√		√		
3	Conventional teaching in control class			√		√	
4	Post test						
	a. Control Class						√
	b. Experimental Class						√

Appendix 4a

PRE-TEST SCORE OF STUDENTS OF VIII D (EXPERIMENTAL CLASS)

NAME	SCORE	$(\chi - \bar{\chi}_2)$	$(\chi - \bar{\chi}_2)^2$
AHMAD SOHIBUL MIGHFAR	40	2.894737	8.3795014
ALI IMRON	40	2.894737	8.3795014
ANIS SAFITRI	40	2.894737	8.3795014
ARFIDHATUR ROHMATUS SALIS	60	22.89474	524.16898
FAISAL ARI UTOMO	50	12.89474	166.27424
FATAH NUR WAKHID	40	2.894737	8.3795014
FATIKHATUL AZIZAH	50	12.89474	166.27424
FATKHUR ROKHMAN	50	12.89474	166.27424
FIKY ADI SETIANTO	40	2.894737	8.3795014
IIS NUR KHOFIFAH	30	-7.105263	50.484765
IVA ARIYATUL ELIA	30	-7.105263	50.484765
KHAMDAN	20	-17.10526	292.59003
KHILYATUN NAFISAH	30	-7.105263	50.484765
KHOIRIYAH	20	-17.10526	292.59003
KHOIRUL UMMAH	40	2.894737	8.3795014
LIA SILVIA	50	12.89474	166.27424
LINATUZ ZAHROK	20	-17.10526	292.59003
LINDA SAFITRI	40	2.894737	8.3795014
M. NUR ALAIK AL HASANI ABRARI	40	2.894737	8.3795014
MUHAMAD HUSEN	40	2.894737	8.3795014

MUHAMMAD BAIHAQI MAULANA	30	-7.105263	50.484765
MUHAMMAD HILAL	40	2.894737	8.3795014
MUHAMMAD JAMALUDIN	20	-17.10526	292.59003
MUHAMMAD JAZILUN NIAM	30	-7.105263	50.484765
MUHAMMAD NUR IHSAN	30	-7.105263	50.484765
MUHAMMAD SAEFUDIN	20	-17.10526	292.59003
MUZAIROH	70	32.89474	1082.0637
NUR HASANAH	60	22.89474	524.16898
NUR IDA WAHYUNI	50	12.89474	166.27424
NUR KHAFIDH	30	-7.105263	50.484765
NUR SEHAH ULYA	50	12.89474	166.27424
NURUL IKHSAN	20	-17.10526	292.59003
NURUR RIZAL	20	-17.10526	292.59003
QOMARUDDIN	40	2.894737	8.3795014
SAMSUL HUDA	40	2.894737	8.3795014
SHOFIYULLOH	40	2.894737	8.3795014
SUKAMAH	30	-7.105263	50.484765
VERI RAHMAWAN	20	-17.10526	292.59003
Σ	1410	0	5981.5789

37.10526

161.6643

S= 12.71473

Kelas	Bk	$Z_i = \chi_i - \bar{\chi}$	P(Z _i)	Luas Daerah	$E_i = L_{DxN}$	O _i	$\frac{(O_i - E_i)^2}{E_i}$
	19.5	-1.3846355	-0.4162				
20 - 29				0.1938	7.3644	8	0.05485679
	29.5	-0.59814598	-0.2224				
30 - 39				0.151	5.738	8	0.89171209
	39.5	0.188343544	0.0714				
40 - 49				0.2626	9.9788	13	0.91470412
	49.5	0.974833068	0.334				
50 - 69				0.1605	6.099	8	0.59252353
	69.5	2.547812117	0.4945				
70 - 79				0.0051	0.1938	1	3.35375872
	79.5	3.334301642	0.4996				
						χ^2	5.80755525

Untuk $\alpha = 5\%$, dengan $dk = 10 - 1 = 9$, diperoleh χ^2 tabel = 16.9

Karena $\chi^2_{hitung} < \chi^2_{tabel}$, maka data tersebut berdistribusi normal

PRE-TEST SCORE OF STUDENTS OF VIII E (CONTROL CLASS)

NAME	SCORE	$(\chi - \bar{\chi}_2)$	$(\chi - \bar{\chi}_2)^2$
ABDUL WAKHID	50	6.285714	39.510204
AHMAD MUAMAR	40	-3.714286	13.795918
AHMAD NAJIB	40	-3.714286	13.795918
AMIN SULAIMAN	50	6.285714	39.510204
FATIMATUZ ZAHROH	40	-3.714286	13.795918
FELA RAFITA SARI	60	16.28571	265.22449
HENI LISTIYANINGSIH	40	-3.714286	13.795918
KHORIDATUL BARIYAH	50	6.285714	39.510204
LILIK IRFANA	60	16.28571	265.22449
LUTFI INAYAH	30	-13.71429	188.08163
MOHAMMAD KHAQIN NAZIL	30	-13.71429	188.08163
MOHAMMAD SELAMET SHOFIYULLOH	70	26.28571	690.93878
MUH. BAHRUR ROHIM	40	-3.714286	13.795918
MUHAMAD FAHRUDIN	50	6.285714	39.510204
MUHAMMAD SODIKIN	30	-13.71429	188.08163

MUHAMMAD ABDUL KHARIS	60	16.28571	265.2244 9
MUHAMMAD ALFANNUR	60	16.28571	265.2244 9
MUHAMMAD AR FAHSAD	40	- 3.714286	13.79591 8
MUHAMMAD KAFIL	30	- 13.71429	188.0816 3
MUHAMMAD SAHAL MAHFUD	30	- 13.71429	188.0816 3
MUHAMMAD SHOFIYUL HAKIM	50	6.285714	39.51020 4
MUHAMMAD SODIKIN	40	- 3.714286	13.79591 8
MUHAMMAD WAHYU	50	6.285714	39.51020 4
MUTHORI ABDUR ROZAK	30	- 13.71429	188.0816 3
MUKHAMAD UMAR AL FARUQ	60	16.28571	265.2244 9
MUKHAMMAD KHUSNI MUBAROK	40	- 3.714286	13.79591 8
PUTRI ROHMAWATI	40	- 3.714286	13.79591 8
ROKHMATUL UMMAH	50	6.285714	39.51020 4
SALSHAFILDA LIVIA LALITA	50	6.285714	39.51020 4
SHINTA ELFA NURIYAH	30	- 13.71429	188.0816 3
SHOLIKHIN	30	- 13.71429	188.0816 3
SITI MUTMAINAH	50	6.285714	39.51020 4
TAUFIKUR ROHMAN	30	- 13.71429	188.0816 3

ULIL ALBAB	50	6.285714	39.51020 4
ULIN NIKMAH	30	- 13.71429	188.0816 3
Σ	1530	0	4417.142 9

AVERAGE = $(\Sigma X)/N = 1430/35$ 43.71429

SD = S2 = $(\Sigma[(X_i - \bar{X})^2])/(n-1)$
129.916
11.39807

Kelas	Bk	$Z_i = \frac{X_i - \bar{X}}{S}$	P(Z _i)	Luas Daerah	$E_i = LD \times N$	O _i	$\frac{(O_i - E_i)^2}{E_i}$
	29.5	- 1.2470784 6	-0.3925				
30 37				0.1871	6.548 5	10	1.819172 67
	37.5	- 0.5452051 5	-0.2054				
38 43				0.2014	7.049	9	0.539991 63
	43.5	- 0.0188001 8	-0.004				
44 51				0.2478	8.673	10	0.203035 74
	51.5	0.6830731 24	0.2518				
52 69				0.2363	8.270 5	6	0.623320 26
	69.5	2.2622880 54	0.4881				

70 71				0.0044	0.154	1	4.647506 49
	71.5	2.4377563 79	0.4925				
						χ^2	7.833026 8

Untuk $\alpha = 5\%$, dengan $dk = 8-1 = 7$, diperoleh χ^2
tabel = 14.1

Karena χ^2 hitung $< \chi^2$ tabel, maka data tersebut
berdistribusi normal

F hitung = 1.244375887
Vb/Vk

F tabel = 1.74330402

Kriteria = Homogen

Appendix 5a

POST-TEST SCORE OF STUDENTS OF VIII D (EXPERIMENTAL CLASS)

NO	NAME	SCORE	$(\chi - \bar{\chi}_2)$	$(\chi - \bar{\chi}_2)^2$
1	AHMAD SOHIBUL MIGHFAR	80	1.1842105 26	1.40235457 1
2	ALI IMRON	75	- 3.8157894 74	14.5602493 1
3	ANIS SAFITRI	85	6.1842105 26	38.2444598 3
4	ARFIDHATUR ROHMATUS SALIS	90	11.184210 53	125.086565 1
5	FAISAL ARI UTOMO	75	- 3.8157894 74	14.5602493 1
6	FATAH NUR WAKHID	70	- 8.8157894 74	77.7181440 4
7	FATIKHATUL AZIZAH	80	1.1842105 26	1.40235457 1
8	FATKHUR ROKHMANN	85	6.1842105 26	38.2444598 3
9	FIKY ADI SETIANTO	75	- 3.8157894 74	14.5602493 1
10	IIS NUR KHOFIFAH	90	11.184210 53	125.086565 1
11	IVA ARIYATUL ELIA	75	- 3.8157894 74	14.5602493 1
12	KHAMDAN	65	- 13.815789 47	190.876038 8

13	KHILYATUN NAFISAH	85	6.1842105 26	38.2444598 3
14	KHOIRIYAH	85	6.1842105 26	38.2444598 3
15	KHOIRUL UMMAH	80	1.1842105 26	1.40235457 1
16	LIA SILVIA	75	- 3.8157894 74	14.5602493 1
17	LINATUZ ZAHROK	75	- 3.8157894 74	14.5602493 1
18	LINDA SAFITRI	85	6.1842105 26	38.2444598 3
19	M. NUR ALAIK AL HASANI ABRARI	70	- 8.8157894 74	77.7181440 4
20	MUHAMAD HUSEN	70	- 8.8157894 74	77.7181440 4
21	MUHAMMAD BAIHAQI MAULANA	85	6.1842105 26	38.2444598 3
22	MUHAMMAD HILAL	75	- 3.8157894 74	14.5602493 1
23	MUHAMMAD JAMALUDIN	90	11.184210 53	125.086565 1
24	MUHAMMAD JAZILUN NIAM	85	6.1842105 26	38.2444598 3
25	MUHAMMAD NUR IHSAN	80	1.1842105 26	1.40235457 1
26	MUHAMMAD SAEFUDIN	90	11.184210 53	125.086565 1
27	MUZAIROH	85	6.1842105 26	38.2444598 3

28	NUR HASANAH	85	6.1842105 26	38.2444598 3
29	NUR IDA WAHYUNI	80	1.1842105 26	1.40235457 1
30	NUR KHAFIDH	70	- 8.8157894 74	77.7181440 4
31	NUR SEHAH ULYA	75	- 3.8157894 74	14.5602493 1
32	NURUL IKHSAN	80	1.1842105 26	1.40235457 1
33	NURUR RIZAL	85	6.1842105 26	38.2444598 3
34	QOMARUDDIN	75	- 3.8157894 74	14.5602493 1
35	SAMSUL HUDA	80	1.1842105 26	1.40235457 1
36	SHOFIYULLOH	65	- 13.815789 47	190.876038 8
37	SUKAMAH	75	- 3.8157894 74	14.5602493 1
38	VERI RAHMAWAN	65	- 13.815789 47	190.876038 8
	Σ	2995		1921.71052 6

$$\text{average} = (\Sigma X) / N =$$

$$3130 / 38$$

$$78.81579$$

$$SD = S2 = (\Sigma [(X_1 - \bar{X})^2]) / (n - 1)$$

$$51.93812$$

$$S$$

$$7.206811$$

Kelas	Bk	Z_i $= \chi_i - \bar{\chi}$	P(Z _i)	Luas Daerah	E _i =LD xN	O _i	$\frac{(O_i - E_i)^2}{E_i}$
	64.5	- 1.9864250 4	- 0.476 1				
65 69				0.0746	2.8348	3	0.0096271 5
	69.5	- 1.2926368 8	- 0.401 5				
70 74				0.1791	6.8058	4	1.1567359 7
	74.5	- 0.5988487 2	- 0.222 4				
75 79				0.1865	7.087	10	1.1973428 8
	79.5	0.0949394 32	0.035 9				
80 84				0.2464	9.3632	7	0.5964535 9
	84.5	0.7887275 88	0.282 3				
85 89				0.1483	5.6354	10	3.3803693
	89.5	1.4825157 45	0.430 6				
90 94				0.0544	2.0672	4	1.8071380 8
	94.5	2.1763039 02	0.485				
						χ^2	8.1476669 7

Untuk $\alpha = 5\%$, dengan $dk = 5 - 1 = 9$, diperoleh χ^2 tabel
= 9.49

Karena χ^2 hitung $< \chi^2$ tabel, maka data tersebut
berdistribusi *NORMAL*

Appendix 5b

**POST-TEST SCORE OF STUDENTS OF VIII E
(CONTROL CLASS)**

NO	NAME	SCORE	$(x - \bar{x}_2)$	$(x - \bar{x}_2)^2$
1	ABDUL WAKHID	80	6.428571 429	41.32653061
2	AHMAD MUAMAR	70	- 3.571428 571	12.75510204
3	AHMAD NAJIB	70	- 3.571428 571	12.75510204
4	AMIN SULAIMAN	60	- 13.57142 857	184.1836735
5	FATIMATUZ ZAHROH	85	11.42857 143	130.6122449
6	FELA RAFITA SARI	75	1.428571 429	2.040816327
7	HENI LISTIYANINGSIH	75	- 1.428571 429	2.040816327
8	KHORIDATUL BARIYAH	75	1.428571 429	2.040816327
9	LILIK IRFANA	70	- 3.571428 571	12.75510204
10	LUTFI INAYAH	85	11.42857 143	130.6122449
11	MOHAMMAD KHAQIN NAZIL	90	16.42857 143	269.8979592
12	MOHAMMAD SELAMET SHOFIYULLOH	80	6.428571 429	41.32653061

13	MUH. BAHRUR ROHIM	60	- 13.57142 857	184.1836735
14	MUHAMAD FAHRUDIN	65	- 8.571428 571	73.46938776
15	MUHAMMAD SODIKIN	70	- 3.571428 571	12.75510204
16	MUHAMMAD ABDUL KHARIS	60	- 13.57142 857	184.1836735
17	MUHAMMAD ALFANNUR	50	- 23.57142 857	555.6122449
18	MUHAMMAD AR FAHSAD	60	- 13.57142 857	184.1836735
19	MUHAMMAD KAFIL	75	1.428571 429	2.040816327
20	MUHAMMAD SAHAL MAHFUD	70	- 3.571428 571	12.75510204
21	MUHAMMAD SHOFIYUL HAKIM	70	- 3.571428 571	12.75510204
22	MUHAMMAD SODIKIN	70	- 3.571428 571	12.75510204
23	MUHAMMAD WAHYU	70	- 3.571428 571	12.75510204
24	MUTHORI ABDUR ROZAK	90	16.42857 143	269.8979592
25	MUKHAMAD UMAR AL FARUQ	90	16.42857 143	269.8979592

26	MUKHAMMAD KHUSNI MUBAROK	70	- 3.571428 571	12.75510204
27	PUTRI ROHMAWATI	70	- 3.571428 571	12.75510204
28	ROKHMATUL UMMAH	80	6.428571 429	41.32653061
29	SALSHAFILDA LIVIA LALITA	85	11.42857 143	130.6122449
30	SHINTA ELFA NURIYAH	75	1.428571 429	2.040816327
31	SHOLIKHIN	75	1.428571 429	2.040816327
32	SITI MUTMAINAH	75	1.428571 429	2.040816327
33	TAUFIKUR ROHMAN	70	- 3.571428 571	12.75510204
34	ULIL ALBAB	75	1.428571 429	2.040816327
35	ULIN NIKMAH	85	11.42857 143	130.6122449
Σ		2575		2978.571429

average= $(\Sigma X)/N = 2695/35 = 73.57143$

SD = $S^2 = (\Sigma [(X_i - \bar{X})^2]) / (n-1)$

87.60504

Kelas	Bk	$Z_i = \frac{X_i - \bar{X}}{s}$	P(Z _i)	Luas Daerah	$E_i = L_{DxN}$	O _i	$\frac{(O_i - E_i)^2}{E_i}$
	56.5	-1.82391802	-0.4656				
50 57				0.0092	0.322	1	1.42759006

	57.5	- 1.7170776 3	- 0.4564				
58 65				0.1512	5.292	5	0.016111 87
	65.5	- 0.8623545 5	- 0.3052				
66 73				0.3052	10.68 2	11	0.009466 77
	73.5	- 0.0076314 6	0				
74 81				0.2996	10.48 6	12	0.218595 84
	81.5	0.8470916 33	0.2996				
82 89				0.1558	5.453	4	0.387164 68
	89.5	1.7018147 22	0.4554				
90 97				0.0392	1.372	3	1.931766 76
	97.5	2.5565378 11	0.4946				
						χ^2	3.990695 98

Untuk $\alpha = 5\%$, dengan $dk = 8 - 1 = 7$, diperoleh $\chi^2_{\text{tabel}} = 14.1$

Karena $\chi^2_{\text{hitung}} < \chi^2_{\text{tabel}}$, maka data tersebut berdistribusi **NORMAL**

F hitung =

Vb/Vk 1.686719

F tabel = 1.743304

Kriteria = Homogeny

Appendix 6

Independent Samples Test

	Levene's Test for Equality of Variances		t-test for Equality of Means						
	F	Sig.	t	Df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
								Lower	Upper
nilai Equal variances assumed	.083	.775	-2.331	71	.023	-6.609	2.835	-12.262	-.956
Equal variances not assumed			-2.342	70.953	.022	-6.609	2.822	-12.237	-.981

Appendix 7

DATA ANALISIS VARIAN FAKTORIAL (ANAVA FAKTORIAL)

NOMOR RESPONDEN	KELOMPOK Tes (FAKTOR A)	KELOMPOK Metode (FAKTOR B)	SKOR Hasil Belajar (Y)
1	1	1	40
2	1	1	40
3	1	1	40
4	1	1	60
5	1	1	50
6	1	1	40
7	1	1	50
8	1	1	50
9	1	1	40
10	1	1	30
11	1	1	30
12	1	1	20
13	1	1	30
14	1	1	20
15	1	1	40
16	1	1	50
17	1	1	20
18	1	1	40
19	1	1	40
20	1	1	40
21	1	1	30
22	1	1	40
23	1	1	20
24	1	1	30
25	1	1	30
26	1	1	20
27	1	1	70
28	1	1	60
29	1	1	50
30	1	1	30
31	1	1	50

32	1	1	20
33	1	1	20
34	1	1	40
35	1	1	40
36	1	1	40
37	1	1	30
38	1	1	20
39	1	2	50
40	1	2	40
41	1	2	40
42	1	2	50
43	1	2	40
44	1	2	60
45	1	2	40
46	1	2	50
47	1	2	60
48	1	2	30
49	1	2	30
50	1	2	70
51	1	2	40
52	1	2	50
53	1	2	30
54	1	2	60
55	1	2	60
56	1	2	40
57	1	2	30
58	1	2	30
59	1	2	50
60	1	2	40
61	1	2	50
62	1	2	30
63	1	2	60
64	1	2	40
65	1	2	40
66	1	2	50
67	1	2	50

68	1	2	30
69	1	2	30
70	1	2	50
71	1	2	30
72	1	2	50
73	1	2	30
74	2	1	80
75	2	1	75
76	2	1	85
77	2	1	90
78	2	1	75
79	2	1	70
80	2	1	80
81	2	1	85
82	2	1	75
83	2	1	90
84	2	1	75
85	2	1	65
86	2	1	85
87	2	1	85
88	2	1	80
89	2	1	75
90	2	1	75
91	2	1	85
92	2	1	70
93	2	1	70
94	2	1	85
95	2	1	75
96	2	1	90
97	2	1	85
98	2	1	80
99	2	1	90
100	2	1	85
101	2	1	85
102	2	1	80
103	2	1	70

104	2	1	75
105	2	1	80
106	2	1	85
107	2	1	75
108	2	1	80
109	2	1	65
110	2	1	75
111	2	1	65
112	2	2	80
113	2	2	70
114	2	2	70
115	2	2	60
116	2	2	85
117	2	2	75
118	2	2	75
119	2	2	75
120	2	2	70
121	2	2	85
122	2	2	90
123	2	2	80
124	2	2	60
125	2	2	65
126	2	2	70
127	2	2	60
128	2	2	50
129	2	2	60
130	2	2	75
131	2	2	70
132	2	2	70
133	2	2	70
134	2	2	70
135	2	2	90
136	2	2	90
137	2	2	70
138	2	2	70
139	2	2	80

140	2	2	85
141	2	2	75
142	2	2	75
143	2	2	75
144	2	2	70
145	2	2	75
146	2	2	85

HASIL ANALISIS STATISTIK DESKRIPTIF UNTUK VARIABEL :

Hasil Belajar

		Tes (Faktor A)		Total
		A1	A2	Faktor B
Metode (Faktor B)	B1	N11= 38	N21= 38	N•1= 76
		M11= 37.105	M21= 78.816	M•1= 57.961
		s11= 12.715	s21= 7.207	s•1= 23.369
	B2	N12= 35	N22= 35	N•2= 70
		M12= 43.714	M22= 73.571	M•2= 58.643
		s12= 11.398	s22= 9.360	s•2= 18.256
Total	N1•= 73	N2•= 73	N••= 146	
Faktor A	M1•= 40.274	M2•= 76.301	M••= 58.288	
	s1•= 12.469	s2•= 8.661	s••= 21.004	

RANGKUMAN HASIL ANALISIS VARIAN

SUMBER	VARIAN	JUMLAH KUADRAT (JK)	DERAJAT KEBEBASAN (DK)	RERATA KUADRAT (RK)	F	F-KRITIS PADA TARAF 5%	KESIMPULAN
Tes	(A)	47376.027	1	#####	439.728	3.908	Signifikan
Metode	(B)	16.965	1	16.965	0.157	3.908	Tidak Sign.
INTERAKSI	(A*B)	1279.922	1	1279.922	11.880	3.908	Signifikan
DALAM		15299.004	142	107.739			
TOTAL		63971.918	145				

Variabel dependen: Hasil Belajar

UJI LANJUT INTERAKSI AB: UJI SCHEFFÉ

Kriteria Signifikansi pada taraf

5%

= 'F = 11.723

A1B1

A1B2

A1B2 'F: 7.386

Kesimpulan: Tidak Sign.

A2B2 'F: 224.871 144.797

Kesimpulan: Signifikan Signifikan

Appendix 8

LESSON PLAN (Control Class)

Name of School : MTs Miftahul Ulum Weding Demak

Class / Semester : VIII/ 2

Subject : English

Skill : Writing

Topic : Simple Past Tense

Time Allotment : 2 meetings

Allocated Time : 45 minutes

A. Standard Competence and Basic Competence

6. Mengungkapkan makna dalam teks tulis fungsional dan esei pendek sederhana berbentuk *recount* dan *narrative* untuk berinteraksi dengan lingkungan sekitar

6.1 Mengungkapkan makna dan langkah retorika dalam essay pendek sederhana dengan menggunakan ragam bahasa tulis secara akurat, lancar dan berterima untuk berinteraksi dengan lingkungan sekitar berbentuk *recount* dan *narrative*

B. Indicators

- a. Students will be able to write simple past tense sentences.
- b. Students will be able to distinguish the formula of simple past tense.
- c. Students will be able to use simple past tense correctly.

C. Learning Aims

Students will be able to use simple past tense.

D. Learning Materials

a. Definition of Simple Past Tense

Simple Past Tense is a tense that used to talk about completed past events and activities.

b. Formula of Simple Past Tense

a) Positive

It is formed by adding **ed** to the infinitive in regular verbs:
work: worked, play: played, study: studied.

Subject + Verb II + Object + Adverb

Example: **Adi wrote a letter yesterday**

b) Negative

The negative of regular and irregular verbs is verbs with **did not**.

Subject + Did not (didn't) + Verb I + Object + Adverb

Example: **Adi did not write a letter yesterday**

c) Interrogative

Positive form: **Did + Subject + Verb I + Object + Adverb?**

Example: **Did Adi write a letter yesterday?**

Negative form: **Did not (didn't) + Subject + Verb I + Object + Adverb**

d) Adverb of time of simple past tense

Yesterday, last week, last month, last year, last two week,
the day before yesterday, last night

E. Learning Methods

Conventional Teaching

F. Learning Activity

1. Pre Activity

- a. Teacher asks students to start the activity of studying by praying.
- b. Listening to teacher's checking attendance of class.
- c. Students answer questions asked by teacher.

2. Main Activity

- Exploration

- a. The teacher asks students some questions to stimulate them about the topic.
- b. The teacher gives an example of simple past tense sentences.

- Elaboration

- a. The teacher asks students to write down the example of simple past tense sentences the teacher has written.
- b. The teacher asks students to make some simple past tense sentences

- Confirmation

- a. The teacher checks students' work.
- b. The teacher and students discuss the work together

3. Closing Activity

- a. The teacher and students conclude the lesson instructed then by giving questions to the students.
- b. The teacher gives them an assignment.
- c. The teacher suggests to the students that they keep studying hard.

G. Sources

- Thomson A.J and A. V Martinet, *A Practical English Grammar*, New York: Oxford University Press, 1986.

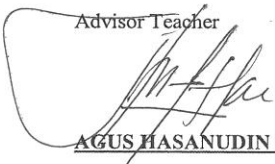
H. Assessment

1. Written test

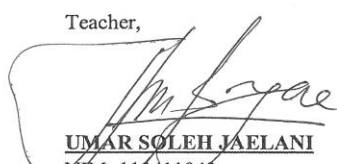
- Make some sentences of simple past tense!

Demak, April 09th 2016

Advisor Teacher


AGUS HASANUDIN S.EI

Teacher,


UMAR SOLEH JAELENI

NIM: 113411042

Head Master


ASKHAN, S.Pd

LESSON PLAN (Experimental Class)

Name of School : MTs Miftahul Ulum Weding Demak
Class / Semester : VIII/ 2
Subject : English
Skill : Writing
Topic : Simple Past Tense
Time Allotment : 2 meetings
Allocated Time : 45 minutes

A. Standard Competence and Basic Competence

6. Mengungkapkan makna dalam teks tulis fungsional dan esei pendek sederhana berbentuk *recount* dan *narrative* untuk berinteraksi dengan lingkungan sekitar

6.1 Mengungkapkan makna dan langkah retorika dalam esei pendek sederhana dengan menggunakan ragam bahasa tulis secara akurat, lancar dan berterima untuk berinteraksi dengan lingkungan sekitar berbentuk *recount* dan *narrative*

B. Indicators

- 1) Students will be able to write simple past tense sentences.
- 2) Students will be able to distinguish the formula of simple past tense.
- 3) Students will be able to use the purpose of simple past tense.

C. Learning Aims

Students will be able to write write simple past tense sentences.

D. Learning Materials

- 1) Definition of Simple Pas Tense

Simple Past Tense is a tense that used to talk about completed past events and activities.

2. Formula of Simple Past Tense

1) Positive

It is formed by adding **ed** to the infinitive in regular verbs:
work: worked, play: played, study: studied.

Subject + Verb II + Object + Adverb

Example: **Adi wrote a letter yesterday**

2) Negative

The negative of regular and irregular verbs is verbs with **did not**.

Subject + Did not (didn't) + Verb I + Object + Adverb

Example: **Adi did not write a letter yesterday**

3) Interrogative

Positive form: **Did + Subject + Verb I + Object + Adverb?**

Example: **Did Adi write a letter yesterday?**

Negative form: **Did not (didn't) + Subject + Verb I + Object + Adverb**

4) Adverb of time of Simple Past Tense

Yesterday, Last Week, Last Month, Last Year, Last Two Week, The Day Before Yesterday, Last Night.

E. Learning Methods

Audio Lingual Method (Song)

F. Learning Activity

1. Pre Activity

- 1) Teacher asks students to start the activity of studying by praying.
- 2) Listening to teacher's checking attendance of class.
- 3) Students answer questions asked by teacher.

2. Main Activity

- 1) Exploration

- The teacher asks students some questions to stimulate them about the topic.
- The teacher writes the lyrics of song consisting formula of simple past tense

2) Elaboration

- The teacher and students sing the song together
- The teacher give a real song lyric to students
- The teacher asks students to find out the past tense sentences in the lyric

3) Confirmation

- The teacher checks students' work.
- The teacher and students discuss the work together

3. Closing Activity

- The teacher and students conclude the lesson instructed then by giving questions to the students.
- The teacher gives them an assignment.
- The teacher suggests to the students that they keep studying hard.

G. Sources

- Thomson A.J and A. V Martinet, *A Practical English Grammar*, New York: Oxford University Press, 1986.

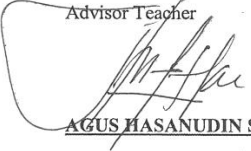
H. Assessment

1. Written test

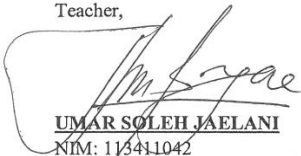
- Find out the past tense sentences of in the lyric!

Demak, April 09th 2016

Advisor Teacher


AGUS HASANUDIN S.EI

Teacher,


UMAR SOLEH JAEANI

NIM: 1113411042

Head Master


ASKHAN, S.Pd

Appendix 9

PRE TEST

NAME :

CLASS :

Choose the best answer between a, b, c or d!

1. Andy.....a letter yesterday.
 - a. Written
 - b. Is writing
 - c. have written
 - d. wrote
2. Jason.....ice tea two days ago.
 - a. Drank
 - b. Drunken
 - c. Drunk
 - d. Is drinking
3. Jackson did not.....television last night.
 - a. Had watched
 - b. Watch
 - c. Have watched
 - d. was watching

4. Did Ariel.....money to me last month?

- a. Is giving
- b. Gave
- c. give
- d. Given

5. Merry.....a car yesterday

- a. Driving
- b. drives
- c. driven
- d. Drove

6. He did not.....English last night

- a. Studies
- b. Studying
- c. Study
- d. Studied

7. Students.....football last Sunday

- a. Played
- b. Ploy
- c. Plays
- d. was played

8. Did he.....to work last Monday?

- a. Gone
- b. Go
- c. Goes
- d. Got

9. My cat.....a fish one hour ago
- a. Ate
 - b. Eaten
 - c. Eating
 - d. Eating
10. The teacher did not.....a pen yesterday
- a. Buying
 - b. was bought
 - c. Buys
 - d. Buy

POST TEST

NAME :

CLASS:

Change the sentences into positive, negative or interrogative!

1. (+) Anna kicked the ball yesterday
(-) _____
(?) _____
2. (+) _____
(-) Steve did not come to school two days ago
(?) _____
3. (+) _____
(-) _____
(?) Did Allan make a cup of coffee last night?

Arrange into good sentence!

4. a. Did – last Sunday – Alex – ride – not – motorcycle.

- b. Bring – Andre – yesterday – a book – did.

- c. Last week – bought – my father – a new television

5. a. Fried – My grandma – chips – two days ago

b. A cable – yesterday – not – my father – cut – did.

c. Last week – the wall – he – paint – did.

Appendix 10

OBSERVATION SHEET

Hari/ Tgl :

Mata Pelajaran :

Kelas :

NO	KEGIATAN SISWA	+		SKOR				
		-		1	2	3	4	5
1	Siswa memperhatikan penjelasan guru dengan baik	+						
2	Siswa melaksanakan apa yang guru perintahkan	+						
3	Siswa sibuk sendiri dengan kegiatan mereka		-					
4	Siswa menanggapi pernyataan guru dengan baik	+						
5	Siswa banyak yang bicara saat pelajaran		-					
6	Siswa banyak yang tidur ketika pelajaran		-					
7	Siswa membuat contoh sesuai penjelasan guru	+						
8	Siswa merasa bosan dengan pelajaran		-					

9	Siswa banyak yang bermain sendiri		-					
10	Siswa mengikuti pelajaran dengan baik	+						

Deskriptor:

I. Kegiatan positif (+)

Skor 1 : tidak dilakukan oleh siswa

Skor 2 : dilakukan kurang baik oleh siswa

Skor 3 : dilakukan cukup baik oleh siswa

Skor 4 : dilakukan dengan baik oleh siswa

Skor 5 : dilakukan sangat baik oleh siswa

II. Kegiatan negative (-)

Skor 1 : dilakukan sangat baik oleh siswa

Skor 2 : dilakukan dengan baik oleh siswa

Skor 3 : dilakukan cukup baik oleh siswa

Skor 4 : dilakukan kurang baik oleh siswa

Skor 5 : tidak dilakukan oleh siswa

Appendix 11

DOCUMENTATION

Pre-test experimental class



Pre-test control class



Post-test experimental class



Post-test of control class



Pre-Test

NAME : Khayatur Nafisah

CLASS : VIII D

Choose the best answer between a, b, c or d!

1. Andy.....a letter yesterday.
a. Written ☒ Is writing c. have written d. wrote
2. Jason.....ice tea two days ago.
a. Drank b. Drunken c. Drunk ☒ Is drinking
3. Jackson did not.....television last night.
a. Had watched ☒ Watch c. Have watched d. was watching
4. Did Ariel.....money to me last month?
☒ Is giving b. Gave c. give d. Given
5. Merry.....a car yesterday
☒ Driving b. drives c. driven d. Drove
6. He did not.....English last night
a. Studies ☒ Studying c. Study d. Studied
7. Students.....football last Sunday
a. Played b. Ploy ☒ Plays d. was played
8. Did he.....to work last Monday?
a. Gone ☒ Go c. Goes d. Got
9. My cat.....a fish one hour ago
a. Ate b. Eaten ☒ Eating d. Eating
10. The teacher did not.....a pen yesterday
a. Buying b. was bought c. Buys ☒ Buy

30

Pre-Test

NAME : K h o i r i y a h

CLASS : V I I D

Choose the best answer between a, b, c or d!

1. Andy.....a letter yesterday.
a. Written ~~X~~ Is writing c. have written d. wrote
2. Jason.....ice tea two days ago.
a. Drank b. Drunken ~~X~~ Drunk d. Is drinking
3. Jackson did not.....television last night.
a. Had watched b. Watch ~~X~~ Have watched d. was watching
4. Did Ariel.....money to me last month?
a. Is giving b. Gave ~~X~~ give d. Given
5. Merry.....a car yesterday
~~X~~ Driving b. drives c. driven d. Drove
6. He did not.....English last night
a. Studies ~~X~~ Studying c. Study d. Studied
7. Students.....football last Sunday
a. Played b. Ploy ~~X~~ Plays d. was played
8. Did he.....to work last Monday?
a. Gone ~~X~~ Go c. Goes d. Got
9. My cat.....a fish one hour ago
a. Ate ~~X~~ Eaten c. Eating d. Eating
10. The teacher did not.....a pen yesterday
a. Buying b. was bought ~~X~~ Buys d. Buy

20

Pre-test

NAME : Rohmatul Ummah

CLASS : VIII^e

Choose the best answer between a, b, c or d!

1. Andy.....a letter yesterday.
a. Written b. Is writing ☒ c. have written d. wrote
2. Jason.....ice tea two days ago.
a. Drank b. Drunken c. Drunk ☒ d. Is drinking
3. Jackson did not.....television last night.
a. Had watched ☒ b. Watch c. Have watched d. was watching
4. Did Ariel.....money to me last month?
a. Is giving ☒ b. Gave ☒ c. give d. Given
5. Merry.....a car yesterday
☒ a. Driving b. drives c. driven d. Drove
6. He did not.....English last night
a. Studies ☒ b. Studying c. Study d. Studied
7. Students.....football last Sunday
☒ a. Played b. Ploy c. Plays d. was played
8. Did he.....to work last Monday?
a. Gone ☒ b. Go c. Goes d. Got
9. My cat.....a fish one hour ago
☒ a. Ate b. Eaten ☒ c. Eating d. Eating
10. The teacher did not.....a pen yesterday
a. Buying ☒ b. was bought c. Buys d. Buy

50

Pre-test

NAME : Lutfi Magah

CLASS : VIII E

Choose the best answer between a, b, c or d!

1. Andy.....a letter yesterday.
a. Written ☒ b. Is writing c. have written d. wrote
2. Jason.....ice tea two days ago.
☒ a. Drank b. Drunken c. Drunk ☒ d. Is drinking
3. Jackson did not.....television last night.
a. Had watched ☒ b. Watch c. Have watched d. was watching
4. Did Ariel.....money to me last month?
a. Is giving ☒ b. Gave c. give d. Given
5. Merry.....a car yesterday
☒ a. Driving b. drives c. driven d. Drove
6. He did not.....English last night
a. Studies b. Studying ☒ c. Study d. Studied
7. Students.....football last Sunday
a. Played b. Ploy ☒ c. Plays d. was played
8. Did he.....to work last Monday?
a. Gone ☒ b. Go c. Goes d. Got
9. My cat.....a fish one hour ago
a. Ate b. Eaten ☒ c. Eating d. Eating
10. The teacher did not.....a pen yesterday
a. Buying ☒ b. was bought c. Buys d. Buy

30

Post-test

NAME : Khilyatin Nafisah

CLASS : VIII D

Change the sentences into positive, negative or interrogative!

1. (+) Anna kicked the ball yesterday
(-) Anna did not kick the ball yesterday
(?) Did Anna kick the ball yesterday?
2. (+) Steve came to school two days ago
(-) Steve did not come to school two days ago.
(?) Did Steve come to school?
3. (+) Allan made a cup of coffee
(-) Allan did not make a cup of coffee
(?) Did Allan make a cup of coffee last night?

Arrange into good sentence!

4. a. Did - last Sunday - Alex - ride - not - motorcycle.
Alex did not ride motorcycle last Sunday
b. Bring - Andre - yesterday - a book - did.
Did Andre bring a book yesterday?
c. Last week - bought - my father - a new television
My father bought a new television last week
5. a. Fried - My grandma - chips - two days ago
My grandma fried chips two days ago
b. A cable - yesterday - not - my father - cut - did.
A cable did not my father cut yesterday
c. Last week - the wall - he - paint - did.
Did he paint the wall last week?

85

Post-test

NAME : Khairiyah

CLASS : VIII.D

Change the sentences into positive, negative or interrogative!

1. (+) Anna kicked the ball yesterday
(-) anna did not kick the ball yesterday
(?) did anna kick the ball yesterday.
2. (+) ~~Steve~~ Steve came to school two days ago
(-) Steve did not come to school two days ago
(?) did Steve come to school
3. (+) allan made a cup of coffee
(-) allan did not make a cup of coffee
(?) Did Allan make a cup of coffee last night?

Arrange into good sentence!

4. a. Did - last Sunday - Alex - ride - not - motorcycle.
~~3-1-5-4-6-2~~ 3-1-5-4-6-2
- b. Bring - Andre - yesterday - a book - did.
~~5-2-1-4-3~~ 5-2-1-4-3
- c. Last week - bought - my father - a new television
3-2-4-1
5. a. Fried - My grandma - chips - two days ago
3-2-1-4
- b. A cable - yesterday - not - my father - cut - did.
1-6-3-4-5-2
- c. Last week - the wall - he - paint - did.
5-3-4-2-1

85

Post-test

NAME : Pohmatul Ummah

CLASS : VII^e

Change the sentences into positive, negative or interrogative!

1. (+) Anna kicked the ball yesterday
~~(-) Anna did not kick the ball yesterday.~~
~~(?) Did Anna kick the ball yesterday.~~
2. (+) Steve came to school two days ago
~~(-) Steve did not come to school two days ago~~
~~(?) Did Steve come to school two days ago~~
3. (+) Anna made a cup of coffee last night
~~(-) Anna did not make a cup of coffee last night~~
~~(?) Did Allan make a cup of coffee last night?~~

Arrange into good sentence!

4. ~~(?) Did - last Sunday - Alex - ride - not - motorcycle.~~
~~2 6 1 9 3 5~~
- ~~(?) Bring - Andre - yesterday - a book - did.~~
~~3 2 5 4 1~~
- ~~(?) Last week - bought - my father - a new television~~
~~2 3 1 4~~
5. a. Fried - My grandma - chips - two days ago
~~1 2 3 4~~
- b. A cable - yesterday - not - my father - cut - did.
~~5 6 4 1 2 3~~
- c. Last week - the wall - he - paint - did.
~~2 1 3 4~~

(82)

Post-test

NAME : Lutfi mayah

CLASS : VIII

Change the sentences into positive, negative or interrogative!

1. (+) Anna kicked the ball yesterday

~~Anna did not kick the ball yesterday.~~
~~Did Anna kick the ball yesterday?~~

2. ~~Steve came to school two days ago.~~

~~(-) Steve did not come to school two days ago.~~
~~Did Steve come to school two days ago?~~

3. ~~Allan made a cup of coffee last night.~~

~~Allan did not make a cup of coffee last night.~~
~~(?) Did Allan make a cup of coffee last night?~~

Arrange into good sentence!

4. ~~Did - last Sunday - Alex - ride - not - motorcycle.~~

2 6 1 4 3 5

~~Bring - Andre - yesterday - a book - did.~~

3 2 5 4 1

~~Last week - bought - my father - a new television~~

4 2 1 3

5. ~~a. Fried - My grandma - chips - two days ago~~

1 2 3 4

~~b. A cable - yesterday - not - my father - cut - did.~~

5 6 3 1 4 2

~~c. Last week - the wall - he - paint - did.~~

5 3 2 4 1

85



KEMENTERIAN AGAMA
UNIVERSITAS ISLAM NEGERI WALISONGO
FAKULTAS ILMU TARBIYAH DAN KEGURUAN
Jl. Prof. Dr. Hamka Kampus II Ngaliyan (024)7601295 Fax.7615387 Semarang 50185

Nomor : Un, 10.3/ D.1/ TL.00/ 1576/ 2016

Semarang, 20 April 2016

Lamp : -

Hal : Mohon Izin Riset

a.n. : Umar Soleh Jaelani

NIM : 113411042

Kepada Yth.

Kepala Sekolah MTs. Miftahul Ulum Weding
di Demak

Assalamu'alaikum Wr. Wb.

Diberitahukan dengan hormat dalam rangka penulisan skripsi, bersama ini kami hadapkan mahasiswa:

Nama : Umar Soleh Jaelani

NIM : 113411042

Alamat : Poncoharjo Rt. 05 Rw. 03 Bonang Demak

Judul skripsi : THE EFFECTIVENESS OF USING SONG TO IMPROVE STUDENTS' COMPREHENSION IN SIMPLE PAST TENSE (An Experimental Research at the Eighth Grade of MTs Miftahul Ulum Weding Bonang Demak in the Academic Year of 2015/ 2016)

Pembimbing : DR. H. Raharjo, M.Ed, St.

Mahasiswa tersebut membutuhkan data-data dengan tema/ judul skripsi yang sedang disusun, oleh karena itu, kami mohon Mahasiswa tersebut diizinkan melaksanakan riset selama 15 hari, mulai tanggal 21 April 2016 sampai dengan 5 Mei 2016.

Demikian atas perhatian dan kerjasama Bapak/ Ibu/ Sdr disampaikan terima kasih.

Wassalamu'alaikum Wr. Wb.



a.n. Dekan,

~~Dekan~~ Dekan Bidang Akademik

Dr. H. Fatih Syukur, M.Ag
NIP. 19681212 199403 1003

Tembusan:

Dekan Fakultas Ilmu Tarbiyah dan Keguruan UIN Walisongo Semarang (sebagai laporan)



YAYASAN PENDIDIKAN ISLAM MIFTAHUL ULUM
MADRASAH TSANAWIYAH MIFTAHUL ULUM WEDING
TERAKREDITASI A

NSM : 121233210090, NPSN : 20364305

Jl. Raya Weding – Demak Km.5 BonangDemak Telp.0812 2988 8812

SURAT KETERANGAN

Nomor: 114/B / MTs.MU/ IV / 2016

Yang bertandatangan di bawahini, Kepala MTs Miftahul Ulum Weding Bonang Demak menerangkanbahwa :

Nama : Umar Soleh Jaelani
NIM : 113411042
Instansi : UIN Walisongo Semarang

Yang tersebut di atas benar – benar telah melakukan penelitian guna penyusunan skripsi mulai tanggal 21 April 2016 S/d 5 Mei 2016 dengan judul, **“THE EFFECTIVENESS OF USING SONG TO IMPROVE STUDENT'S COMPREHENSION IN SIMPLE PAST TENSE” (Experimental Research on Eight Grade Students of MTs Miftahul Ulum Weding Demak in the Academic Year of 2015/2016)**

Demikian surat keterangan ini disampaikan, agar dapat dipergunakan sebagaimana mestinya.

Demak, 23 April 2016

Kepala Madrasah

MTs Miftahul Ulum Weding

ASKHAN, S.Pd



LABORATORIUM MATEMATIKA
JURUSAN TADRIS MATEMATIKA
FAKULTAS ILMU TARBIYAH DAN KEGURUAN
IAIN WALISONGO SEMARANG

Jln. Prof. Dr. Hamka Kampus 2 (Gdg. Lab. MIPA Terpadu Lt.3) ☎ 7601295 Fax. 7615387 Semarang 50182

PENELITI : Umar Soleh Jaelani
NIM : 113411042
JURUSAN : Pendidikan Bahasa Inggris
JUDUL : THE EFFECTIVENESS OF USING SONG TO IMPROVE
STUDENTS' COMPREHENSION IN SIMPLE PAST TENSE
(An Experimental Research at the Eighth Grade of MTs Miftahul Ulum
Weding Bonang Demak in the Academic Year of 2015/2016)

HIPOTESIS :

1. **Ho** : tidak terdapat pengaruh yang signifikan antara metode dan kelas terhadap hasil belajar.
Ha : terdapat pengaruh yang signifikan antara metode dan kelas terhadap hasil belajar.

DASAR PENGAMBILAN KEPUTUSAN :

Ho DITERIMA, jika $\text{sig.} > 0.05$

Ho DITOLAK, jika $\text{sig.} < 0.05$

Ho DITERIMA, jika nilai $F_{\text{hitung}} < F_{\text{tabel}}$

Ho DITOLAK, jika nilai $F_{\text{hitung}} > F_{\text{tabel}}$

HASIL DAN ANALISIS DATA :

Between-Subjects Factors

		Value Label	N
tes	1	pre test	73
	2	post test	73
kelas	1	eksperimen	76
	2	kontrol	70

Tests of Between-Subjects Effects

Dependent Variable: hasil belajar

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Corrected Model	48672.914 ^a	3	16224.305	150.588	.000
Intercept	495428.609	1	495428.609	4.598E3	.000
VAR00002	46658.689	1	46658.689	433.070	.000
VAR00003	16.965	1	16.965	.157	.692
VAR00002 * VAR00003	1279.922	1	1279.922	11.880	.001
Error	15299.004	142	107.739		
Total	560000.000	146			
Corrected Total	63971.918	145			

a. R Squared = .761 (Adjusted R Squared = .756)

1. $F_{hitung} = 11,880 > F_{tabel} (1;142;0,05) = 3,908$, maka H_0 ditolak, ini berarti terdapat pengaruh yang signifikan antara metode dan kelas terhadap hasil belajar.

Semarang, 7 Juni 2016

Ketua Jurusan Pendidikan Matematika



Yulia Romadiastri, M.Sc.

NIP. 19810715 200501 2 008

CURRICULUM VITAE

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Mobile Number : 085712338203

Formal Education:

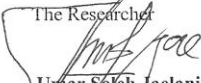
1. 1995-1996 TK Tri Budi Sakti Poncoharjo Demak
2. 1997-2002 SDN 2 Poncoharjo Demak
3. 2003-2006 SMPN 2 Bonang Demak
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Ngaliyan Semarang

Semarang, June 8th 2016

The Researcher


Umar Soleh Jaclani

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