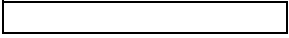


LAMPIRAN 20 : NILAI *PRE TEST* KELAS X B (EKSPERIMEN)

No	Nama	Nomor Item																														Total	Nilai	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30			
1	ADI SUDIRMANTO	1	1	1	0	0	0	0	1	1	0	1	0	0	1	0	1	0	1	1	0	0	1	1	0	0	1	1	0	1	0	15	50.00	
2	AGUS ALIMUDDIN	1	1	0	1	1	1	1	1	0	1	1	1	0	1	1	1	1	1	1	0	1	0	1	1	0	1	0	1	1	0	22	73.33	
3	AHMAD SULAIMAN	1	1	0	1	1	1	1	1	0	1	1	0	1	1	0	1	0	0	1	1	1	0	1	1	0	1	1	1	1	0	21	70.00	
4	AINUN NAFID	1	1	1	1	1	0	1	1	0	1	0	1	1	1	0	1	0	1	1	1	1	1	1	0	0	0	1	0	1	0	20	66.67	
5	ALFIAN MAULANA S	1	1	1	1	1	0	1	1	0	1	1	1	1	0	1	0	0	0	1	0	1	0	1	0	1	0	1	0	1	0	18	60.00	
6	AZIZ AMRULLAH	0	1	1	1	1	1	1	0	1	0	1	0	0	0	1	0	0	1	1	1	1	1	0	0	1	0	0	0	0	0	15	50.00	
7	DAH MAR'ATUS SALIMAH	1	1	1	1	1	1	1	0	1	1	0	1	0	1	1	1	1	1	1	1	0	1	0	1	1	0	1	1	0	0	22	73.33	
8	DITA AYU DIAH WIJAYANTI	1	1	1	1	1	0	1	1	1	1	0	1	0	1	1	1	1	1	0	1	1	1	1	0	1	1	0	1	1	0	23	76.67	
9	DONA ALIZAMA AULYA	1	1	0	1	1	1	0	1	1	1	1	0	1	1	0	1	0	1	1	0	1	0	1	0	1	0	1	0	0	0	18	60.00	
10	DWI KURNIAWATI	0	1	0	1	0	1	1	1	0	1	0	1	0	1	1	0	0	1	0	1	1	1	0	0	1	0	0	1	1	1	17	56.67	
11	EKA OKTAVIANI	1	1	0	1	1	1	1	0	1	0	1	0	0	0	1	1	0	1	1	1	0	1	0	0	0	1	1	1	0	1	18	60.00	
12	FATHIYATUL CHAIRIYAH	1	0	0	1	1	1	1	1	0	1	1	1	1	1	0	1	1	1	0	1	0	0	1	1	1	0	0	0	1	0	19	63.33	
13	FENNY DWI JAYANTI	1	0	1	1	1	1	0	1	1	0	1	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	1	0	1	0	18	60.00	
14	HABIB NURZAIN	1	1	1	0	1	1	0	0	1	0	1	0	1	1	1	0	1	1	0	1	1	0	0	1	1	0	0	0	1	0	17	56.67	
15	HEBI FATHNA SARI	1	1	1	1	1	1	0	1	0	0	0	0	0	1	1	0	1	0	0	1	1	0	0	0	1	0	1	1	0	1	16	53.33	
16	KESI NAWANG SARI	0	0	0	1	1	1	0	1	1	1	1	0	1	1	1	1	0	1	0	1	0	1	1	1	1	0	0	0	1	0	18	60.00	
17	KHARISMA HENDRA WATI	1	1	1	0	1	0	1	0	1	1	1	1	0	1	1	1	0	1	1	1	1	0	0	1	0	0	0	0	1	0	18	60.00	
18	KHUSNUL KHOTIMAH	0	1	0	1	0	1	1	1	1	0	1	1	1	1	0	1	0	1	0	1	0	1	1	0	1	1	0	0	0	1	18	60.00	
19	KOKOH IRWANSYAH	0	0	1	0	1	1	0	1	1	0	1	0	1	0	0	1	0	1	0	1	0	1	1	0	1	1	0	1	0	0	15	50.00	
20	LINDA FATMAWATI	1	1	1	0	1	0	1	1	0	1	1	0	1	1	1	1	0	1	0	0	1	1	0	1	1	0	1	1	1	0	20	66.67	
21	LISA SARI	1	1	1	1	1	1	1	0	1	1	0	1	1	0	1	1	0	1	0	1	0	1	0	1	0	1	1	0	0	0	19	63.33	
22	M. AJI YUSUF	1	0	1	0	1	1	1	0	1	1	1	1	1	1	0	1	0	0	1	1	1	1	0	1	0	0	1	1	1	0	20	66.67	
23	M. GUFRON MUAS	0	1	1	1	1	0	1	1	0	1	1	0	1	0	1	0	1	1	1	0	1	0	1	1	1	0	1	0	1	0	19	63.33	
24	NURLAILI MUZAZANAH	1	1	1	1	1	1	0	1	0	0	1	0	1	1	0	1	0	0	1	0	1	0	1	1	0	1	1	1	1	0	19	63.33	
25	NURUL KHOTIMAH	0	0	1	1	0	1	1	0	1	0	1	0	1	0	1	0	1	1	0	1	0	1	0	1	1	0	1	1	1	0	17	56.67	
26	PUTRI AKBAR	1	1	1	0	1	1	1	1	1	0	1	0	1	1	0	1	0	1	1	0	1	0	1	0	1	0	1	0	0	1	19	63.33	
27	PUTRI AMELIA	1	1	1	1	1	0	1	0	1	1	0	0	1	1	1	1	0	1	0	1	1	1	0	1	1	0	1	0	1	0	20	66.67	
28	RAFIKA NUR AZIZAH	1	0	0	1	1	0	1	1	0	1	0	1	0	1	1	0	1	1	0	1	1	0	1	0	0	1	1	1	1	0	18	60.00	
29	RISA DONA TIWI	1	1	1	1	1	0	1	1	0	1	1	1	0	1	1	0	1	0	1	1	0	1	0	1	1	0	0	1	1	0	20	66.67	
30	RISKA APRIANA	1	0	1	1	1	1	0	0	0	1	1	0	1	1	0	1	0	1	1	0	0	1	1	1	1	0	1	1	1	1	20	66.67	
31	RITA BUDI KUSUMAYATI	1	1	1	0	1	0	1	0	1	0	1	1	0	1	0	1	1	1	1	0	1	1	0	1	1	1	1	0	1	0	20	66.67	
32	RIZKI AHMAD	1	1	1	0	0	1	1	1	0	1	0	1	0	1	1	0	1	0	1	1	0	1	0	1	0	0	1	0	1	0	17	56.67	
33	SILVIA FARADINA	1	0	1	1	0	1	0	1	1	1	0	1	1	0	1	0	1	1	1	1	0	1	0	1	1	0	1	1	0	0	19	63.33	
34	SUGIATI	1	1	1	0	1	0	1	0	1	1	1	1	0	1	1	0	1	0	0	1	0	0	0	0	1	1	0	1	1	1	0	18	60.00
35	VALENTINE MANLY LUMBAN	1	0	0	1	0	1	0	1	1	1	1	1	1	0	1	1	0	1	1	1	0	1	0	1	1	0	1	1	1	0	20	66.67	
36	VIDI NURHIDAYAH	1	0	1	0	1	0	1	1	0	1	1	1	0	1	1	1	1	1	0	1	0	1	1	0	1	1	0	1	1	0	20	66.67	
37	YAYUK SRIWAHYUNI	1	1	0	1	0	0	1	0	1	1	0	1	0	1	0	1	1	0	1	0	1	1	1	0	1	0	1	1	1	1	19	63.33	
38	YUSUF ARDIANTO	1	1	0	1	1	0	1	0	1	1	0	1	1	0	1	0	1	0	1	0	1	0	1	0	1	1	0	1	1	0	18	60.00	



LAMPIRAN 21 : NILAI *POST TEST* KELAS X B (EKSPERIMEN)

No	Nama	Nomor Item																														Total	Nilai	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30			
1	ADI SUDIRMANTO	1	0	1	0	0	1	0	1	1	0	1	0	0	1	0	1	0	1	1	0	0	1	1	0	0	1	1	0	1	0	15	50.00	
2	AGUS ALIMUDDIN	1	1	1	1	1	1	1	1	0	1	1	1	0	1	1	1	1	1	1	1	1	0	1	1	1	1	0	1	1	0	25	83.33	
3	AHMAD SULAIMAN	1	1	1	1	1	1	1	1	0	1	1	0	1	1	0	1	1	0	1	1	1	0	1	1	0	1	1	1	1	0	23	76.67	
4	AINUN NAFID	1	1	1	0	1	0	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	0	1	0	22	73.33	
5	ALFIAN MAULANA S	1	1	1	0	1	0	1	1	0	1	1	1	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	18	60.00	
6	AZIZ AMRULLAH	1	1	1	1	1	1	1	0	1	0	1	0	1	0	1	0	0	1	1	1	1	1	0	0	1	1	1	1	0	0	20	66.67	
7	DIAH MAR'ATUS SALIMAH	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	0	0	26	86.67	
8	DITA AYU DIAH WIJAYANTI	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	0	1	1	1	1	1	1	1	0	1	1	1	27	90.00	
9	DONA ALIZAMA AULYA	1	1	1	1	1	1	0	1	1	1	1	0	1	1	1	1	0	1	1	0	1	0	1	0	1	0	1	0	1	0	21	70.00	
10	DWI KURNIAWATI	1	1	1	1	1	1	1	1	1	1	0	1	0	1	1	0	0	1	0	1	1	1	0	0	1	0	0	1	1	1	21	70.00	
11	EKA OKTAVIANI	1	1	1	1	1	1	0	1	0	1	1	1	0	1	1	0	1	1	1	0	1	1	0	1	0	0	1	1	1	0	1	21	70.00
12	FATHIYATUL CHAIRIYAH	1	1	1	1	1	1	1	1	0	1	1	1	1	1	0	1	1	1	0	1	0	0	1	1	1	0	0	0	1	0	21	70.00	
13	FENNY DWI JAYANTI	1	1	1	1	1	1	1	1	1	0	1	1	0	1	1	1	0	1	0	1	1	1	0	1	0	1	1	0	1	0	22	73.33	
14	HABIB NURZAIN	1	1	1	1	1	0	1	1	0	1	0	1	0	1	0	1	1	0	1	1	0	1	0	0	0	1	0	1	1	1	0	19	63.33
15	HEBI FATHNA SARI	1	1	1	1	1	0	1	1	1	1	0	0	1	1	0	1	0	0	1	1	0	0	0	0	1	0	1	1	0	1	19	63.33	
16	KESI NAWANG SARI	1	1	0	1	1	1	0	1	1	1	1	0	1	1	1	1	0	1	0	1	0	1	1	1	1	0	0	0	1	0	20	66.67	
17	KHARISMA HENDRA WATI	1	0	1	0	1	0	1	0	1	1	1	1	0	1	1	1	1	1	1	1	1	0	0	1	0	0	0	0	1	0	18	60.00	
18	KHUSNUL KHOTIMAH	1	1	0	1	0	1	1	1	1	1	1	1	1	0	1	0	1	0	1	0	1	1	0	1	1	1	0	0	0	0	1	20	66.67
19	KOKOH IRWANSYAH	1	1	1	0	1	1	0	1	1	0	1	0	1	1	0	1	0	1	0	1	1	0	1	1	1	1	1	1	0	0	20	66.67	
20	LINDA FATMAWATI	1	1	1	1	1	0	1	1	0	1	1	1	1	1	1	1	0	1	1	0	1	1	0	1	1	0	1	1	1	0	23	76.67	
21	LISA SARI	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	0	1	0	1	0	1	0	1	1	1	0	1	1	0	0	22	73.33	
22	M. AJI YUSUF	1	1	1	1	1	1	0	1	1	1	1	1	1	1	0	1	0	0	1	1	1	1	0	1	0	1	1	1	1	0	23	76.67	
23	M. GUFRON MUAS	1	1	1	1	1	0	1	1	0	1	1	0	1	0	1	0	1	1	1	0	1	0	1	1	1	0	1	0	1	0	20	66.67	
24	NURLAILI MUZAZANAH	1	1	1	1	1	0	1	1	0	1	0	1	1	0	1	1	1	1	1	0	1	1	1	1	0	1	1	1	1	0	23	76.67	
25	NURUL KHOTIMAH	1	0	1	0	0	1	1	0	1	0	1	1	1	0	1	0	1	1	0	0	0	1	0	1	1	0	1	1	1	0	17	56.67	
26	PUTRI AKBAR	1	1	1	1	1	1	1	1	1	0	1	0	1	1	0	1	0	1	1	1	1	0	1	1	1	1	1	1	0	1	24	80.00	
27	PUTRI AMELIA	1	1	0	1	1	0	1	0	1	1	1	0	1	1	1	1	0	1	1	1	1	1	0	1	1	0	1	0	1	0	21	70.00	
28	RAFIKA NUR AZIZAH	1	1	0	1	1	0	1	1	1	1	0	1	0	1	1	1	1	1	0	1	1	1	1	0	0	1	1	1	1	0	22	73.33	
29	RISA DONA TIWI	1	1	1	1	1	1	1	1	0	1	1	1	0	1	1	1	1	0	1	1	1	1	0	1	1	0	0	1	1	0	23	76.67	
30	RISKA APRIANA	1	1	1	1	1	1	0	0	0	1	1	0	1	1	0	1	0	1	1	0	0	1	1	1	1	0	1	1	1	1	21	70.00	
31	RITA BUDI KUSUMAYATI	1	1	1	0	1	1	1	0	1	0	1	1	1	1	0	1	1	1	1	0	1	1	1	1	1	1	1	0	1	0	23	76.67	
32	RIZKI AHMAD	1	1	1	1	1	1	1	1	0	1	0	1	1	1	1	0	1	0	1	1	1	1	0	1	0	0	1	0	1	0	21	70.00	
33	SILVIA FARADINA	1	1	1	1	0	1	0	1	1	1	0	1	1	0	1	1	1	1	1	1	1	1	0	1	1	0	1	1	0	0	22	73.33	
34	SUGIATI	1	1	1	0	1	1	1	0	1	1	1	1	0	1	1	1	1	0	0	1	0	1	0	1	0	1	0	1	1	0	21	70.00	
35	VALENTINE MANLY LUMBAN	1	1	1	1	1	0	1	1	1	1	1	1	0	1	1	0	1	1	1	0	1	0	1	0	1	0	1	1	1	0	23	76.67	
36	VIDI NURHIDAYAH	1	1	1	0	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	0	1	1	0	1	1	0	1	1	0	24	80.00	
37	YAYUK SRIWAHYUNI	1	1	1	1	0	0	1	0	1	1	1	1	0	1	0	1	1	1	1	0	1	1	1	0	1	0	1	1	1	1	22	73.33	
38	YUSUF ARDIANTO	1	1	0	1	1	1	1	1	1	1	0	1	1	0	1	1	1	1	1	1	1	0	1	0	1	1	0	1	1	0	23	76.67	

LAMPIRAN 22 : *GAIN PRETEST - POSTEST* KELAS X B (EKSPERIMEN)

NO	NAMA	NILAI <i>PRETEST</i>	NILAI <i>POSTTEST</i>	<i>GAIN</i>
1	ADI SUDIRMANTO	50.00	50.00	0.00
2	AGUS ALIMUDDIN	73.33	83.33	10.00
3	AHMAD SULAIMAN	70.00	76.67	6.67
4	AINUN NAFID	66.67	73.33	6.67
5	ALFIAN MAULANA S	60.00	60.00	0.00
6	AZIZ AMRULLAH	50.00	66.67	16.67
7	DIAH MAR'ATUS SALIMAH	73.33	86.67	13.33
8	DITA AYU DIAH WIJAYANTI	76.67	90.00	13.33
9	DONA ALIZAMA AULYA	60.00	70.00	10.00
10	DWI KURNIAWATI	56.67	70.00	13.33
11	EKA OKTAVIANI	60.00	70.00	10.00
12	FATHIYATUL CHAIRIYAH	63.33	70.00	6.67
13	FENNY DWI JAYANTI	60.00	73.33	13.33
14	HABIB NURZAIN	56.67	63.33	6.67
15	HEBI FATHNA SARI	53.33	63.33	10.00
16	KESI NAWANG SARI	60.00	66.67	6.67
17	KHARISMA HENDRA WATI	60.00	60.00	0.00
18	KHUSNUL KHOTIMAH	60.00	66.67	6.67
19	KOKOH IRWANSYAH	50.00	66.67	16.67
20	LINDA FATMAWATI	66.67	76.67	10.00
21	LISA SARI	63.33	73.33	10.00
22	M. AJI YUSUF	66.67	76.67	10.00
23	M. GUFRON MUAS	63.33	66.67	3.33
24	NURLAILI MUZAZANAH	63.33	76.67	13.33
25	NURUL KHOTIMAH	56.67	56.67	0.00
26	PUTRI AKBAR	63.33	80.00	16.67
27	PUTRI AMELIA	66.67	70.00	3.33
28	RAFIKA NUR AZIZAH	60.00	73.33	13.33
29	RISA DONA TIWI	66.67	76.67	10.00
30	RISKA APRIANA	66.67	70.00	3.33
31	RITA BUDI KUSUMAYATI	66.67	76.67	10.00
32	RIZKI AHMAD	56.67	70.00	13.33
33	SILVIA FARADINA	63.33	73.33	10.00
34	SUGIATI	60.00	70.00	10.00
35	VALENTINE MANLY LUMBAN	66.67	76.67	10.00
36	VIDI NURHIDAYAH	66.67	80.00	13.33
37	YAYUK SRIWAHYUNI	63.33	73.33	10.00
38	YUSUF ARDIANTO	60.00	76.67	16.67
	RATA-RATA	62.28	71.58	9.30