

**Lampiran 1. Data Absorbansi dan Inhibisi (%) aktivitas antioksidan**

Sampel	Konsentrasi (ppm)	Absorbansi		Inhibisi (%)	
		I	II	I	II
Kontrol P <sub>0</sub>	-	0,810	-	-	-
P <sub>0</sub> B <sub>0</sub>	5	0,440	-	45,67901	-
	10	0,359	-	55,67901	-
	20	0,214	-	73,58025	-
	40	0,172	-	78,76543	-
	80	0,149	-	81,60494	-
P <sub>0</sub> B <sub>1</sub>	5	0,436	0,44	46,17284	45,67901
	10	0,358	0,373	55,80247	53,95062
	20	0,218	0,152	73,08642	81,23457
	40	0,178	0,149	78,02469	81,60494
	80	0,152	0,104	81,23457	87,16049
P <sub>0</sub> B <sub>2</sub>	5	0,421	0,427	48,02469	47,28395
	10	0,373	0,379	53,95062	53,20988
	20	0,178	0,185	78,02469	77,16049
	40	0,149	0,172	81,60494	78,76543
	80	0,104	0,134	87,16049	83,45679
P <sub>0</sub> B <sub>3</sub>	5	0,44	0,436	45,67901	46,17284
	10	0,322	0,358	60,24691	55,80247
	20	0,204	0,172	74,81481	78,76543
	40	0,185	0,149	77,16049	81,60494
	80	0,101	0,101	87,53086	87,53086
Kontrol P <sub>1</sub>	-	0,795	0,785	-	-
P <sub>1</sub> B <sub>0</sub>	5	0,415	-	48,67038	-
	10	0,262	-	67,59431	-
	20	0,145	-	82,06555	-
	40	0,096	-	88,12616	-
	80	0,082	-	89,85776	-
P <sub>1</sub> B <sub>1</sub>	5	0,416	0,412	47,34177	49,04143
	10	0,266	0,276	66,32911	65,86271
	20	0,111	0,140	85,94937	82,68398
	40	0,090	0,091	88,60759	88,74459
	80	0,080	0,082	89,87342	89,85776
P <sub>1</sub> B <sub>2</sub>	5	0,433	0,436	45,18987	44,81013
	10	0,253	0,253	67,97468	67,97468
	20	0,124	0,127	84,3038	83,92405
	40	0,089	0,09	88,73418	88,60759
	80	0,078	0,073	90,12658	90,75949
P <sub>1</sub> B <sub>3</sub>	5	0,424	0,440	47,5572	44,3038
	10	0,286	0,256	64,62585	67,59494
	20	0,139	0,128	82,80767	83,79747
	40	0,089	0,090	88,99196	88,60759
	80	0,082	0,079	89,85776	90,00000
Kontrol P <sub>2</sub>	-	0,827	0,790	-	-
P <sub>2</sub> B <sub>0</sub>	5	0,395	-	50,00000	-
	10	0,236	-	70,12658	-
	20	0,107	-	86,4557	-
	40	0,089	-	88,73418	-
	80	0,077	-	90,25316	-
P <sub>2</sub> B <sub>1</sub>	5	0,401	0,399	49,24051	50,64935

	10	0,238	0,258	69,87342	68,08905
	20	0,103	0,130	86,96203	83,92084
	40	0,091	0,101	88,48101	87,50773
	80	0,079	0,092	90,00000	88,6209
P <sub>2</sub> B <sub>2</sub>	5	0,411	0,424	49,16512	47,5572
	10	0,266	0,238	67,09957	70,56277
	20	0,130	0,130	83,92084	83,92084
	40	0,107	0,107	86,76562	86,76562
	80	0,091	0,090	88,74459	88,86827
P <sub>2</sub> B <sub>3</sub>	5	0,411	0,413	47,97468	48,91775
	10	0,256	0,259	67,59494	67,96537
	20	0,116	0,146	85,31646	81,94187
	40	0,100	0,101	87,34177	87,50773
	80	0,078	0,079	90,12658	90,22882
Kontrol P <sub>3</sub>	-	0,932	0,927	-	-
P <sub>3</sub> B <sub>0</sub>	5	0,359	-	61,37708	-
	10	0,204	-	78,05272	-
	20	0,102	-	89,02636	-
	40	0,101	-	89,13394	-
	80	0,084	-	90,96288	-
P <sub>3</sub> B <sub>1</sub>	5	0,377	0,367	59,44056	60,51641
	10	0,203	0,21	78,16030	77,40721
	20	0,113	0,105	87,84293	88,70360
	40	0,103	0,102	88,91877	89,02636
	80	0,076	0,091	91,82356	90,20979
P <sub>3</sub> B <sub>2</sub>	5	0,360	0,368	61,26950	60,40882
	10	0,214	0,218	76,97687	76,54653
	20	0,104	0,105	88,81119	88,7036
	40	0,099	0,100	89,34911	89,24153
	80	0,092	0,079	90,10221	91,50081
P <sub>3</sub> B <sub>3</sub>	5	0,36	0,360	61,2695	61,2695
	10	0,214	0,214	76,97687	76,97687
	20	0,116	0,104	87,52017	88,81119
	40	0,103	0,099	88,91877	89,34911
	80	0,076	0,092	91,82356	90,10221

## Lampiran 2. Data IC<sub>50</sub>

Sampel	Replikasi	Persamaan	Nilai IC <sub>50</sub>	Rata-rata	Kategori
P <sub>0</sub> B <sub>0</sub>	-	$y = 0,4143x + 54,218$	10,18	$10,18 \pm 0,00000$	Sangat kuat
P <sub>0</sub> B <sub>1</sub>	1	$y = 0,405x + 54,311$	10,64	$10,51 \pm 0,18385$	Sangat kuat
	2	$y = 0,4815x + 55$	10,38		Sangat kuat
P <sub>0</sub> B <sub>2</sub>	1	$y = 0,4746x + 55,041$	10,62	$10,67 \pm 0,07071$	Sangat kuat
	2	$y = 0,4308x + 54,619$	10,72		Sangat kuat
P <sub>0</sub> B <sub>3</sub>	1	$y = 0,459x + 54,856$	10,57	$10,60 \pm 0,4243$	Sangat kuat
	2	$y = 0,4798x + 55,103$	10,63		Sangat kuat

P <sub>1</sub> B <sub>0</sub>	-	$y = 0,4324x + 61,858$	27,42	$27,42 \pm 0,00000$	Sangat kuat
P <sub>1</sub> B <sub>1</sub>	1	$y = 0,4387x + 62,02$	27,39	$26,92 \pm 0,66468$	Sangat kuat
	2	$y = 0,4393x + 61,621$	26,45		Sangat kuat
P <sub>1</sub> B <sub>2</sub>	1	$y = 0,453x + 61,224$	24,77	$24,01 \pm 1,07480$	Sangat kuat
	2	$y = 0,4648x + 60,807$	23,25		Sangat kuat
P <sub>1</sub> B <sub>3</sub>	1	$y = 0,4568x + 60,606$	23,21	$23,07 \pm 0,19092$	Sangat kuat
	2	$y = 0,4608x + 60,575$	22,94		Sangat kuat
P <sub>2</sub> B <sub>0</sub>	-	$y = 0,4024x + 64,636$	36,40	$36,40 \pm 0,00000$	Sangat kuat
P <sub>2</sub> B <sub>1</sub>	1	$y = 0,4038x + 64,393$	35,64	$35,13 \pm 0,72125$	Sangat kuat
	2	$y = 0,3925x + 63,59$	34,62		Sangat kuat
P <sub>2</sub> B <sub>2</sub>	1	$y = 0,4083x + 62,482$	30,57	$31,57 \pm 1,42128$	Sangat kuat
	2	$y = 0,4016x + 63,085$	32,57		Sangat kuat
P <sub>2</sub> B <sub>3</sub>	1	$y = 0,4293x + 62,363$	28,79	$28,17 \pm 0,87681$	Sangat kuat
	2	$y = 0,4323x + 61,91$	27,55		Sangat kuat
P <sub>3</sub> B <sub>0</sub>	-	$y = 0,218x + 73,001$	105,5	$105,5 \pm 0,00000$	Lemah
P <sub>3</sub> B <sub>1</sub>	1	$y = 0,2776x + 72,696$	81,75	$80,76 \pm 1,40007$	Kuat
	2	$y = 0,2814x + 72,449$	79,77		Kuat
P <sub>3</sub> B <sub>2</sub>	1	$y = 0,2966x + 72,364$	75,40	$74,06 \pm 1,88798$	Kuat
	2	$y = 0,3005x + 71,858$	72,73		Kuat
P <sub>3</sub> B <sub>3</sub>	1	$y = 0,3031x + 71,907$	72,27	$71,31 \pm 1,35765$	Kuat
	2	$y = 0,3082x + 71,683$	70,35		Kuat

### Lampiran 3. Data pengukuran pH

Sampel	pH		Rata-rata
	Replikasi 1	Replikasi 2	
P <sub>0</sub> B <sub>0</sub>	2,97	-	2,97
P <sub>0</sub> B <sub>1</sub>	2,99	2,99	2,99
P <sub>0</sub> B <sub>2</sub>	3,14	3,16	3,15
P <sub>0</sub> B <sub>3</sub>	3,26	3,26	3,26
P <sub>1</sub> B <sub>0</sub>	2,83	-	2,83
P <sub>1</sub> B <sub>1</sub>	2,97	2,98	2,98
P <sub>1</sub> B <sub>2</sub>	3,12	3,12	3,12
P <sub>1</sub> B <sub>3</sub>	3,25	3,26	3,26
P <sub>2</sub> B <sub>0</sub>	2,76	-	2,76
P <sub>2</sub> B <sub>1</sub>	2,78	2,77	2,78
P <sub>2</sub> B <sub>2</sub>	2,87	2,88	2,88
P <sub>2</sub> B <sub>3</sub>	3,08	3,07	3,08
P <sub>3</sub> B <sub>0</sub>	2,14	-	2,14
P <sub>3</sub> B <sub>1</sub>	2,26	2,24	2,25
P <sub>3</sub> B <sub>2</sub>	2,41	2,41	2,41
P <sub>3</sub> B <sub>3</sub>	2,52	2,52	2,52

## Lampiran 4. Data Uji Hedonik

### 1. Uji hedonik hari ke-0

Panelis	Warna				Bau				Rasa			
	P <sub>0</sub> B <sub>0</sub>	P <sub>0</sub> B <sub>1</sub>	P <sub>0</sub> B <sub>2</sub>	P <sub>0</sub> B <sub>3</sub>	P <sub>0</sub> B <sub>0</sub>	P <sub>0</sub> B <sub>1</sub>	P <sub>0</sub> B <sub>2</sub>	P <sub>0</sub> B <sub>3</sub>	P <sub>0</sub> B <sub>0</sub>	P <sub>0</sub> B <sub>1</sub>	P <sub>0</sub> B <sub>2</sub>	P <sub>0</sub> B <sub>3</sub>
1	2	2	3	2	3	4	5	4	2	2	3	3
2	2	3	4	3	3	2	3	3	3	4	4	3
3	3	3	4	4	4	4	3	3	4	4	4	4
4	2	2	2	2	4	4	4	4	3	3	3	2
5	4	3	4	2	4	4	4	4	3	3	2	2
6	3	4	3	3	4	4	3	3	4	3	3	2
7	3	3	3	3	3	3	3	3	2	3	3	3
8	3	3	3	3	4	3	2	3	3	3	4	2
9	3	3	3	3	4	4	3	3	4	5	4	4
10	4	5	2	3	5	4	4	4	4	3	2	3
11	2	3	3	3	5	4	4	4	5	4	5	4
12	2	3	4	4	2	2	2	2	3	2	4	3
13	4	3	3	3	3	3	3	3	4	3	4	4
14	2	3	2	2	3	4	4	4	3	4	3	3
15	4	4	4	4	4	3	4	3	5	5	5	4
16	2	2	2	2	3	4	3	4	4	3	3	3
17	3	3	4	3	3	3	3	2	3	4	3	2
18	1	3	3	3	3	1	4	1	1	1	2	1
19	3	3	3	3	5	4	4	4	5	4	5	4
20	3	3	3	3	5	5	3	3	5	5	5	5
21	3	2	3	3	3	4	5	4	3	5	5	3
22	3	3	3	3	4	5	5	4	5	5	5	4
23	3	4	3	3	3	3	4	3	4	4	4	4
24	2	4	2	2	4	4	4	4	5	4	3	4
25	2	2	2	2	3	2	3	3	4	3	3	3
26	3	2	2	3	4	3	3	3	4	4	4	3
27	3	3	3	3	5	4	4	4	4	5	4	4
28	3	3	3	3	5	3	5	4	4	3	4	4
29	3	3	4	3	3	4	4	3	4	4	4	3
30	2	3	3	3	3	3	3	3	4	4	4	2

2. Uji hedonik hari ke-7

Panelis	Warna				Bau				Rasa			
	P <sub>1</sub> B <sub>0</sub>	P <sub>1</sub> B <sub>1</sub>	P <sub>1</sub> B <sub>2</sub>	P <sub>1</sub> B <sub>3</sub>	P <sub>1</sub> B <sub>0</sub>	P <sub>1</sub> B <sub>1</sub>	P <sub>1</sub> B <sub>2</sub>	P <sub>1</sub> B <sub>3</sub>	P <sub>1</sub> B <sub>0</sub>	P <sub>1</sub> B <sub>1</sub>	P <sub>1</sub> B <sub>2</sub>	P <sub>1</sub> B <sub>3</sub>
1	3	2	2	2	3	4	4	3	4	3	3	3
2	3	2	3	1	2	3	3	2	4	5	5	2
3	2	2	3	2	3	2	2	3	3	2	3	3
4	2	2	2	2	3	2	2	2	3	4	3	3
5	2	2	2	2	2	2	2	2	3	2	2	2
6	3	3	3	3	2	2	2	2	3	2	2	2
7	3	3	3	3	4	4	3	3	3	3	2	2
8	2	2	3	3	4	3	2	3	4	3	3	2
9	3	3	3	3	3	3	2	2	4	3	3	3
10	4	5	2	3	4	4	4	3	4	3	2	2
11	2	3	3	3	5	4	4	4	5	4	4	4
12	3	3	4	3	2	2	2	2	3	2	3	2
13	4	3	3	3	3	3	3	3	4	3	4	3
14	2	3	3	2	4	4	3	2	3	3	3	3
15	4	4	4	4	4	3	4	3	5	4	4	3
16	2	3	3	2	3	4	3	3	4	3	2	2
17	3	3	4	2	3	3	3	2	3	4	3	2
18	1	3	3	3	3	3	3	3	5	4	4	3
19	3	3	2	2	5	4	4	4	5	4	3	3
20	3	2	3	2	5	5	4	3	5	5	5	4
21	2	2	2	2	3	4	5	4	3	3	4	3
22	3	3	3	3	4	5	5	5	5	5	4	4
23	3	3	3	3	5	3	5	4	4	3	4	4
24	3	3	4	3	3	4	4	3	4	4	4	3
25	2	3	3	3	3	3	3	3	4	4	4	2
26	3	2	2	3	4	3	3	3	4	4	3	2
27	3	3	3	3	5	4	4	4	5	4	3	2
28	2	3	2	3	4	4	5	4	3	3	3	2
29	3	3	4	3	3	3	3	3	4	3	3	2
30	3	3	2	2	3	3	3	3	4	3	2	2

3. Uji hedonik hari ke-14

Panelis	Warna				Bau				Rasa			
	P <sub>2</sub> B <sub>0</sub>	P <sub>2</sub> B <sub>1</sub>	P <sub>2</sub> B <sub>2</sub>	P <sub>2</sub> B <sub>3</sub>	P <sub>2</sub> B <sub>0</sub>	P <sub>2</sub> B <sub>1</sub>	P <sub>2</sub> B <sub>2</sub>	P <sub>2</sub> B <sub>3</sub>	P <sub>2</sub> B <sub>0</sub>	P <sub>2</sub> B <sub>1</sub>	P <sub>2</sub> B <sub>2</sub>	P <sub>2</sub> B <sub>3</sub>
1	3	3	3	3	2	2	2	2	3	2	2	2
2	3	3	3	3	4	4	3	3	3	3	2	2
3	2	2	3	3	4	3	2	3	4	3	3	2
4	3	3	3	3	3	3	2	2	4	3	3	3
5	2	3	3	2	4	4	3	2	3	3	3	3
6	4	4	4	4	4	3	4	3	5	4	4	3
7	2	3	3	2	3	4	3	3	4	3	2	2
8	3	3	4	2	3	3	3	2	3	4	3	2
9	1	3	3	3	3	3	3	3	5	4	4	3
10	3	2	2	2	3	4	4	3	4	3	3	3
11	3	2	3	1	2	3	3	2	4	5	5	2
12	2	2	3	2	3	2	2	3	3	2	3	3
13	2	2	2	2	3	2	2	2	3	4	3	3
14	3	3	3	3	5	3	5	4	4	3	4	4
15	3	3	4	3	3	4	4	3	4	4	4	3
16	2	3	3	3	3	3	3	3	4	4	4	2
17	3	2	2	3	4	3	3	3	4	4	3	2
18	3	3	3	3	5	4	4	4	5	4	3	2
19	1	3	3	3	3	3	3	3	5	4	4	3
20	3	3	2	2	5	4	4	4	5	4	3	3
21	3	2	3	2	5	5	4	3	5	5	5	4
22	2	2	2	2	3	4	5	4	3	3	4	3
23	2	2	3	2	3	2	2	3	3	2	3	3
24	2	2	2	2	3	2	2	2	3	4	3	3
25	2	2	2	2	2	2	2	2	3	2	2	2
26	3	3	3	3	2	2	2	2	3	2	2	2
27	3	3	3	3	4	4	3	3	3	3	2	2
28	1	3	3	3	3	1	4	1	1	1	2	1
29	2	3	3	3	3	3	3	3	4	4	4	2
30	2	2	2	2	4	3	2	2	4	3	3	3

4. Uji hedonik hari ke-21

Panelis	Warna				Bau				Rasa			
	P <sub>3</sub> B <sub>0</sub>	P <sub>3</sub> B <sub>1</sub>	P <sub>3</sub> B <sub>2</sub>	P <sub>3</sub> B <sub>3</sub>	P <sub>3</sub> B <sub>0</sub>	P <sub>3</sub> B <sub>1</sub>	P <sub>3</sub> B <sub>2</sub>	P <sub>3</sub> B <sub>3</sub>	P <sub>3</sub> B <sub>0</sub>	P <sub>3</sub> B <sub>1</sub>	P <sub>3</sub> B <sub>2</sub>	P <sub>3</sub> B <sub>3</sub>
1	3	3	3	3	4	3	2	3	3	3	4	2
2	3	3	3	3	4	4	3	3	4	5	4	4
3	4	5	2	3	5	4	4	4	4	3	2	3
4	2	3	3	3	5	4	4	4	5	4	5	4
5	2	3	4	4	2	2	2	2	3	2	4	3
6	4	3	3	3	3	3	3	3	4	3	4	4
7	2	3	2	2	3	4	4	4	3	4	3	3
8	2	2	3	2	3	2	2	3	3	2	3	3
9	2	2	2	2	3	2	2	2	3	4	3	3
10	2	2	2	2	2	2	2	2	3	2	2	2
11	3	3	3	3	2	2	2	2	3	2	2	2
12	3	3	3	3	4	4	3	3	3	3	2	2
13	2	2	3	3	4	3	2	3	4	3	3	2
14	3	3	3	3	3	3	2	2	4	3	3	3
15	4	5	2	3	4	4	4	3	4	3	2	2
16	2	3	3	3	5	4	4	4	5	4	4	4
17	3	3	4	3	2	2	2	2	3	2	3	2
18	4	3	3	3	3	3	3	3	4	3	4	3
19	1	3	3	3	3	3	3	3	5	4	4	3
20	3	2	2	2	3	4	4	3	4	3	3	3
21	3	2	3	1	2	3	3	2	4	5	5	2
22	2	2	3	2	3	2	2	3	3	2	3	3
23	2	2	2	2	3	2	2	2	3	4	3	3
24	3	3	3	3	5	3	5	4	4	3	4	4
25	3	3	4	3	3	4	4	3	4	4	4	3
26	2	3	3	3	3	3	3	3	4	4	4	2
27	3	4	3	3	4	4	3	3	4	3	3	2
28	3	3	3	3	3	3	3	3	2	3	3	3
29	3	3	3	3	4	3	2	3	3	3	4	2
30	3	3	3	3	4	4	3	3	4	5	4	4



## Lampiran 5. Rata-rata skor uji hedonic

### 1. Warna

Hari Fermentasi (P)	pH			
	B <sub>0</sub>	B <sub>1</sub>	B <sub>2</sub>	B <sub>3</sub>
0	2,73 ± 0,740	2,70 ± 0,702	2,43 ± 0,728	2,64 ± 0,750
7	3,00 ± 0,695	2,80 ± 0,664	2,63 ± 0,556	2,90 ± 0,759
14	3,00 ± 0,695	2,87 ± 0,681	2,83 ± 0,592	2,87 ± 0,571
21	2,87 ± 0,571	2,60 ± 0,621	2,53 ± 0,629	2,73 ± 0,583

### 2. Aroma

Hari Fermentasi (P)	pH			
	B <sub>0</sub>	B <sub>1</sub>	B <sub>2</sub>	B <sub>3</sub>
0	3,70 ± 0,837	3,47 ± 0,937	3,37 ± 0,890	3,37 ± 0,928
7	3,47 ± 0,900	3,33 ± 0,844	3,07 ± 0,907	3,10 ± 0,803
14	3,60 ± 0,814	3,30 ± 0,988	3,03 ± 0,928	2,90 ± 0,885
21	3,30 ± 0,750	3,00 ± 0,788	2,73 ± 0,740	2,90 ± 0,662

### 3. Rasa

Hari Fermentasi (P)	pH			
	B <sub>0</sub>	B <sub>1</sub>	B <sub>2</sub>	B <sub>3</sub>
0	3,70 ± 0,988	3,90 ± 0,759	3,70 ± 0,915	3,63 ± 0,718
7	3,63 ± 0,999	3,40 ± 0,855	3,30 ± 0,952	3,27 ± 0,907
14	3,70 ± 0,915	3,23 ± 0,858	3,17 ± 0,874	3,37 ± 0,850
21	3,17 ± 0,913	2,63 ± 0,718	2,57 ± 0,679	2,83 ± 0,747

## Lampiran 6. Data statistik

### 1. Aktivitas antioksidan

#### Descriptives

IC 50

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
P0B0 (Kontrol)	2	10.1800	.00000	.00000	10.1800	10.1800	10.18	10.18
P0B1	2	10.5100	.18385	.13000	8.8582	12.1618	10.38	10.64
P0B2	2	10.6700	.07071	.05000	10.0347	11.3053	10.62	10.72
P0B3	2	10.6000	.04243	.03000	10.2188	10.9812	10.57	10.63
P1B0 (kontrol)	2	27.4200	.00000	.00000	27.4200	27.4200	27.42	27.42
P1B1	2	26.9200	.66468	.47000	20.9481	32.8919	26.45	27.39
P1B2	2	24.0100	1.07480	.76000	14.3533	33.6667	23.25	24.77
P1B3	2	23.0750	.19092	.13500	21.3597	24.7903	22.94	23.21
P2B0 (kontrol)	2	36.4000	.00000	.00000	36.4000	36.4000	36.40	36.40
P2B1	2	35.1300	.72125	.51000	28.6498	41.6102	34.62	35.64
P2B2	2	31.5750	1.42128	1.00500	18.8053	44.3447	30.57	32.58
P2B3	2	28.1700	.87681	.62000	20.2922	36.0478	27.55	28.79
P3B0 (kontrol)	2	105.5000	.00000	.00000	105.5000	105.5000	105.50	105.50
P3B1	2	80.7600	1.40007	.99000	68.1809	93.3391	79.77	81.75
P3B2	2	74.0650	1.88798	1.33500	57.1022	91.0278	72.73	75.40
P3B3	2	71.3100	1.35765	.96000	59.1120	83.5080	70.35	72.27
Total	32	37.8934	28.54552	5.04618	27.6017	48.1852	10.18	105.50

#### ANOVA

IC 50

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	25247.905	15	1683.194	2180.488	.000
Within Groups	12.351	16	.772		
Total	25260.256	31			

## 2. Nilai pH

### Descriptives

pH

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
					Lower Bound	Upper Bound		
P0B0 (Kontrol)	2	2.9700	.00000	.00000	2.9700	2.9700	2.97	2.97
P0B1	2	2.9900	.00000	.00000	2.9900	2.9900	2.99	2.99
P0B2	2	3.1500	.01414	.01000	3.0229	3.2771	3.14	3.16
P0B3	2	3.2600	.00000	.00000	3.2600	3.2600	3.26	3.26
P1B0 (kontrol)	2	2.8300	.00000	.00000	2.8300	2.8300	2.83	2.83
P1B1	2	2.9750	.00707	.00500	2.9115	3.0385	2.97	2.98
P1B2	2	3.1200	.00000	.00000	3.1200	3.1200	3.12	3.12
P1B3	2	3.2550	.00707	.00500	3.1915	3.3185	3.25	3.26
P2B0 (kontrol)	2	2.7600	.00000	.00000	2.7600	2.7600	2.76	2.76
P2B1	2	2.7750	.00707	.00500	2.7115	2.8385	2.77	2.78
P2B2	2	2.8750	.00707	.00500	2.8115	2.9385	2.87	2.88
P2B3	2	3.0750	.00707	.00500	3.0115	3.1385	3.07	3.08
P3B0 (kontrol)	2	2.1400	.00000	.00000	2.1400	2.1400	2.14	2.14
P3B1	2	2.2500	.01414	.01000	2.1229	2.3771	2.24	2.26
P3B2	2	2.4050	.00707	.00500	2.3415	2.4685	2.40	2.41
P3B3	2	2.5200	.00000	.00000	2.5200	2.5200	2.52	2.52
Total	32	2.8344	.33864	.05986	2.7123	2.9565	2.14	3.26

### ANOVA

pH

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	3.554	15	.237	5416.057	.000
Within Groups	.001	16	.000		
Total	3.555	31			

### 3. Uji hedonic

#### a. Warna

**Descriptives**

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
BTP 0	Hari ke-0	30	2.73	.740	.135	2.46	3.01	1	4
	Hari ke-7	30	2.70	.702	.128	2.44	2.96	1	4
	Hari ke-14	30	2.43	.728	.133	2.16	2.71	1	4
	Hari ke-21	30	2.70	.750	.137	2.42	2.98	1	4
	Total	120	2.64	.731	.067	2.51	2.77	1	4
BTP 1	Hari ke-0	30	3.00	.695	.127	2.74	3.26	2	5
	Hari ke-7	30	2.80	.664	.121	2.55	3.05	2	5
	Hari ke-14	30	2.63	.556	.102	2.43	2.84	2	4
	Hari ke-21	30	2.90	.759	.139	2.62	3.18	2	5
	Total	120	2.83	.678	.062	2.71	2.96	2	5
BTP 2	Hari ke-0	30	3.00	.695	.127	2.74	3.26	2	4
	Hari ke-7	30	2.87	.681	.124	2.61	3.12	2	4
	Hari ke-14	30	2.83	.592	.108	2.61	3.05	2	4
	Hari ke-21	30	2.87	.571	.104	2.65	3.08	2	4
	Total	120	2.89	.632	.058	2.78	3.01	2	4
BTP 3	Hari ke-0	30	2.87	.571	.104	2.65	3.08	2	4
	Hari ke-7	30	2.60	.621	.113	2.37	2.83	1	4
	Hari ke-14	30	2.53	.629	.115	2.30	2.77	1	4
	Hari ke-21	30	2.73	.583	.106	2.52	2.95	1	4
	Total	120	2.68	.608	.055	2.57	2.79	1	4

**ANOVA**

		Sum of Squares	df	Mean Square	F	Sig.
BTP 0	Between Groups	1.758	3	.586	1.100	.352
	Within Groups	61.833	116	.533		
	Total	63.592	119			
BTP 1	Between Groups	2.200	3	.733	1.621	.188
	Within Groups	52.467	116	.452		
	Total	54.667	119			
BTP 2	Between Groups	.492	3	.164	.404	.751
	Within Groups	47.100	116	.406		
	Total	47.592	119			
BTP 3	Between Groups	1.967	3	.656	1.811	.149
	Within Groups	42.000	116	.362		
	Total	43.967	119			

## b. Bau

### Descriptives

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
BTP 0	Hari ke-0	30	3.70	.837	.153	3.39	4.01	2	5
	Hari ke-7	30	3.47	.937	.171	3.12	3.82	2	5
	Hari ke-14	30	3.37	.890	.162	3.03	3.70	2	5
	Hari ke-21	30	3.37	.928	.169	3.02	3.71	2	5
	Total	120	3.48	.898	.082	3.31	3.64	2	5
BTP 1	Hari ke-0	30	3.47	.900	.164	3.13	3.80	1	5
	Hari ke-7	30	3.33	.844	.154	3.02	3.65	2	5
	Hari ke-14	30	3.07	.907	.166	2.73	3.41	1	5
	Hari ke-21	30	3.10	.803	.147	2.80	3.40	2	4
	Total	120	3.24	.870	.079	3.08	3.40	1	5
BTP 2	Hari ke-0	30	3.60	.814	.149	3.30	3.90	2	5
	Hari ke-7	30	3.30	.988	.180	2.93	3.67	2	5
	Hari ke-14	30	3.03	.928	.169	2.69	3.38	2	5
	Hari ke-21	30	2.90	.885	.162	2.57	3.23	2	5
	Total	120	3.21	.934	.085	3.04	3.38	2	5
BTP 3	Hari ke-0	30	3.30	.750	.137	3.02	3.58	1	4
	Hari ke-7	30	3.00	.788	.144	2.71	3.29	2	5
	Hari ke-14	30	2.73	.740	.135	2.46	3.01	1	4
	Hari ke-21	30	2.90	.662	.121	2.65	3.15	2	4
	Total	120	2.98	.756	.069	2.85	3.12	1	5

### ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
BTP 0	Between Groups	2.225	3	.742	.918	.434
	Within Groups	93.700	116	.808		
	Total	95.925	119			
BTP 1	Between Groups	3.292	3	1.097	1.468	.227
	Within Groups	86.700	116	.747		
	Total	89.992	119			
BTP 2	Between Groups	8.625	3	2.875	3.504	.018
	Within Groups	95.167	116	.820		
	Total	103.792	119			
BTP 3	Between Groups	5.100	3	1.700	3.137	.028
	Within Groups	62.867	116	.542		
	Total	67.967	119			

### c. Rasa

#### Descriptives

		N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean		Minimum	Maximum
						Lower Bound	Upper Bound		
BTP 0	Hari ke-0	30	3.70	.988	.180	3.33	4.07	1	5
	Hari ke-7	30	3.90	.759	.139	3.62	4.18	3	5
	Hari ke-14	30	3.70	.915	.167	3.36	4.04	1	5
	Hari ke-21	30	3.63	.718	.131	3.37	3.90	2	5
	Total	120	3.73	.847	.077	3.58	3.89	1	5
BTP 1	Hari ke-0	30	3.63	.999	.182	3.26	4.01	1	5
	Hari ke-7	30	3.40	.855	.156	3.08	3.72	2	5
	Hari ke-14	30	3.30	.952	.174	2.94	3.66	1	5
	Hari ke-21	30	3.27	.907	.166	2.93	3.61	2	5
	Total	120	3.40	.929	.085	3.23	3.57	1	5
BTP 2	Hari ke-0	30	3.70	.915	.167	3.36	4.04	2	5
	Hari ke-7	30	3.23	.858	.157	2.91	3.55	2	5
	Hari ke-14	30	3.17	.874	.160	2.84	3.49	2	5
	Hari ke-21	30	3.37	.850	.155	3.05	3.68	2	5
	Total	120	3.37	.888	.081	3.21	3.53	2	5
BTP 3	Hari ke-0	30	3.17	.913	.167	2.83	3.51	1	5
	Hari ke-7	30	2.63	.718	.131	2.37	2.90	2	4
	Hari ke-14	30	2.57	.679	.124	2.31	2.82	1	4
	Hari ke-21	30	2.83	.747	.136	2.55	3.11	2	4
	Total	120	2.80	.795	.073	2.66	2.94	1	5

#### ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
BTP 0	Between Groups	1.200	3	.400	.551	.649
	Within Groups	84.267	116	.726		
	Total	85.467	119			
BTP 1	Between Groups	2.467	3	.822	.951	.419
	Within Groups	100.333	116	.865		
	Total	102.800	119			
BTP 2	Between Groups	5.067	3	1.689	2.206	.091
	Within Groups	88.800	116	.766		
	Total	93.867	119			
BTP 3	Between Groups	6.533	3	2.178	3.679	.014
	Within Groups	68.667	116	.592		
	Total	75.200	119			

### Lampiran 7. Perhitungan penambahan kalium sorbat

$$\text{Batas maksimum BTP} \times \text{Volume teh kombucha (mL)}$$

Diketahui:

$$\text{Volume teh kombucha} = 600 \text{ mL} = 600 \text{ gram}$$

$$\text{Batas maksimum kalium benzoate} = 1000 \text{ mg/kg}$$

Penyelesaian :

$$\begin{aligned} \text{Batas maksimum BTP} &= \frac{1000 \text{ mg}}{1000 \text{ gram}} \times 600 \text{ gram} \\ &= 600 \text{ mg} \end{aligned}$$

Jadi batas maksimum penambahan kalium sorbat adalah 600 mg. Sehingga variasi penambahan kalium sorbat yang digunakan yaitu sebesar 100 mg, 300 mg, dan 500 mg.

### Lampiran 8. Perhitungan pembuatan seri baku kerja sampel

$$\text{Konsentrasi 1} \times \text{Volume 1} = \text{Konsentrasi 2} \times \text{Volume 2}$$

Diketahui :

$$\text{Konsentrasi 1} = 1000 \text{ ppm}$$

$$\text{Konsentrasi 2} = 5 \text{ ppm}$$

$$\text{Volume 2} = 10 \text{ mL}$$

Penyelesaian

$$\begin{aligned} M_1 \times V_1 &= M_2 \times V_2 \\ 1000 \times V_1 &= 5 \times 10 \\ V_1 &= 0,05 \text{ ml} \end{aligned}$$

Dengan cara tersebut, dapat digunakan untuk menghitung volume 2 untuk pembuatan seri baku kerja 10 ppm, 20 ppm, 40 ppm dan 80 ppm.

### Lampiran 9. Perhitungan pembuatan DPPH 0,4 mM

$$M = \frac{\text{gram}}{Mr} \times \frac{1000}{V \text{ (mL)}}$$

#### Diketahui :

Konsentrasi DPPH = 0,4 mM

Volume = 25 mL

#### Penyelesaian :

$$\text{mM} = \frac{\text{mg}}{Mr} \times \frac{1000}{V \text{ (mL)}}$$

$$0,4\text{mM} = \frac{x}{394,32} \times \frac{1000}{25}$$

$$x = 3,9432 \text{ mg (dibulatkan menjadi 3,9 mg)}$$

### Lampiran 10. Perhitungan % inhibisi

$$\% \text{ Inhibisi} = \frac{\text{Absorbansi kontrol} - \text{Absorbansi sampel}}{\text{Absorbansi kontrol}} \times 100\%$$

#### Sampel P0B0 Konsentrasi 5 ppm

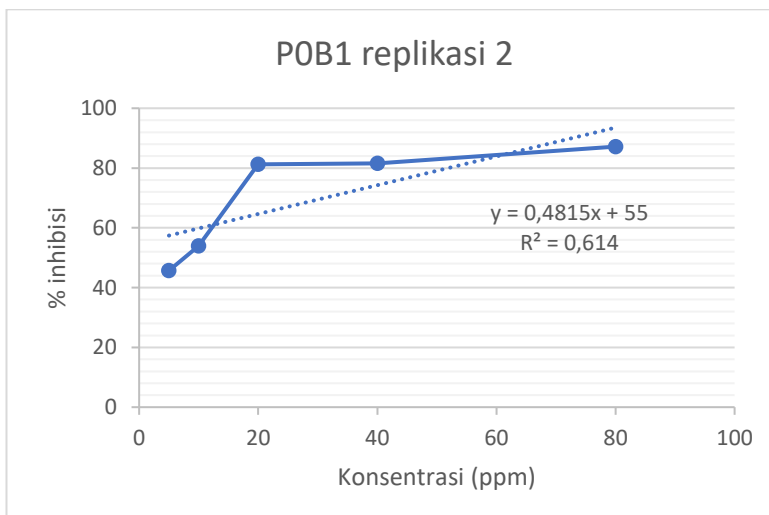
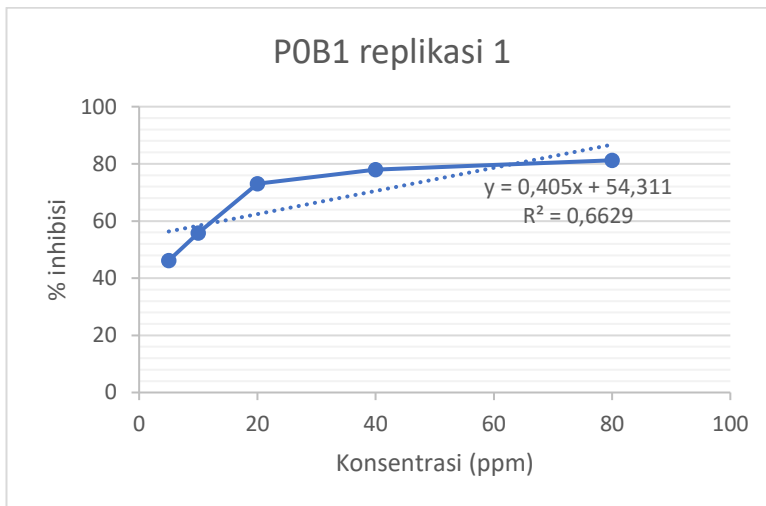
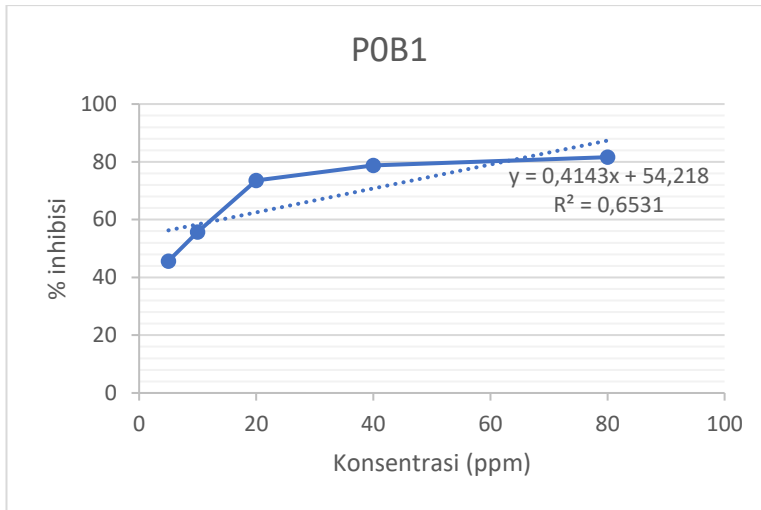
$$\% \text{ Inhibisi} = \frac{\text{Absorbansi kontrol} - \text{Absorbansi sampel}}{\text{Absorbansi kontrol}} \times 100\%$$

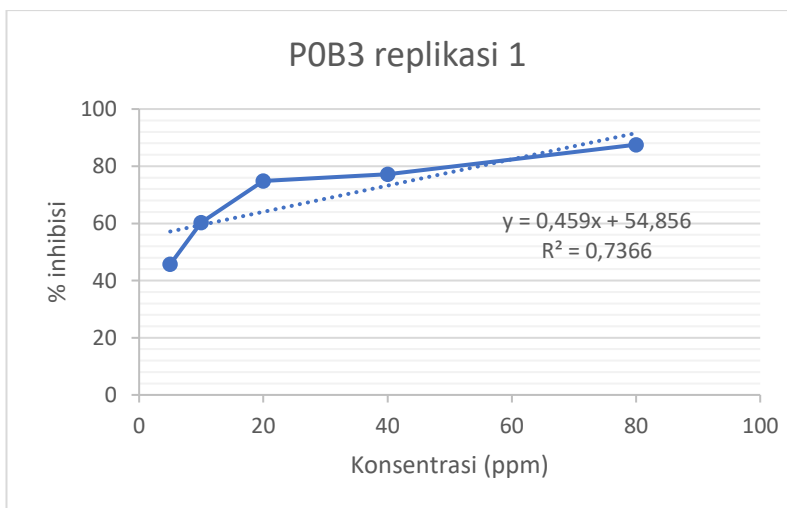
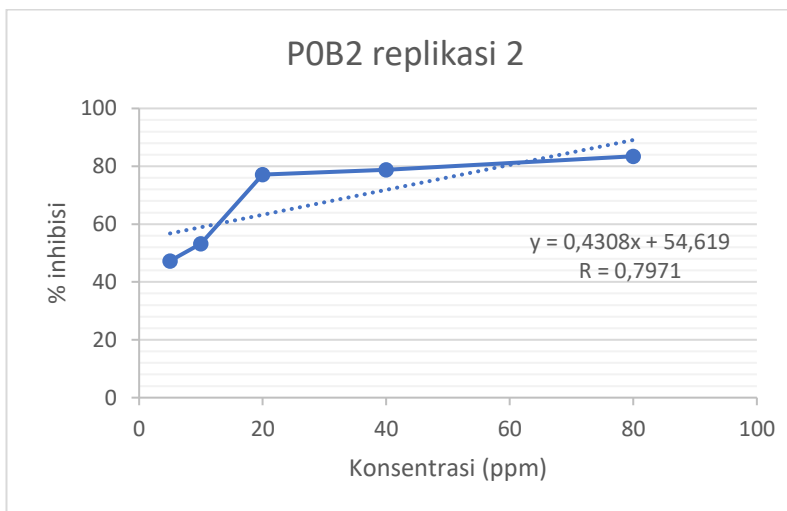
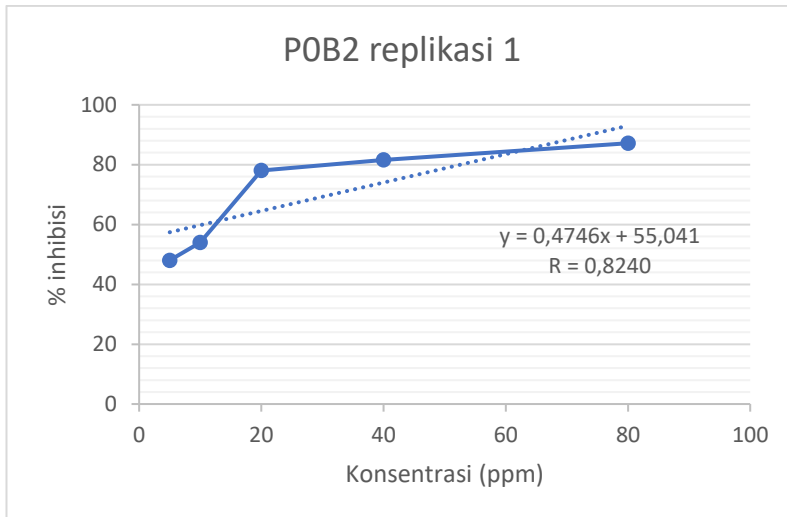
$$= \frac{0,810 - 0,440}{0,810} \times 100\%$$

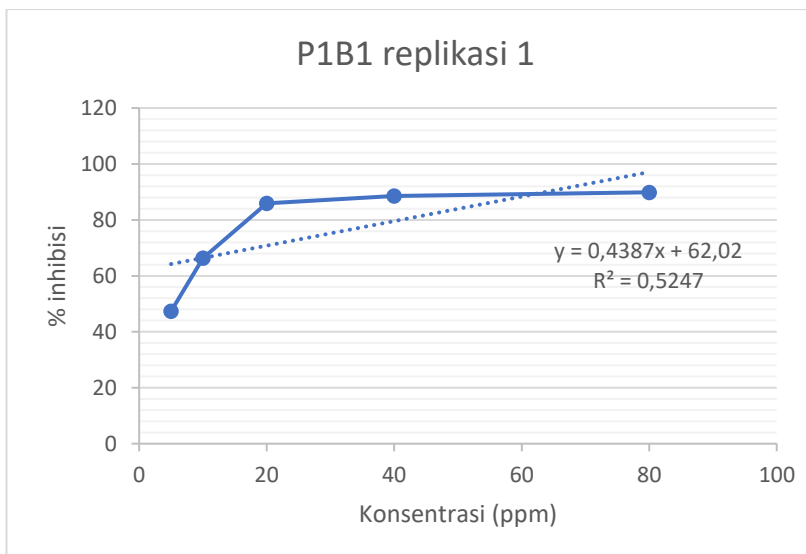
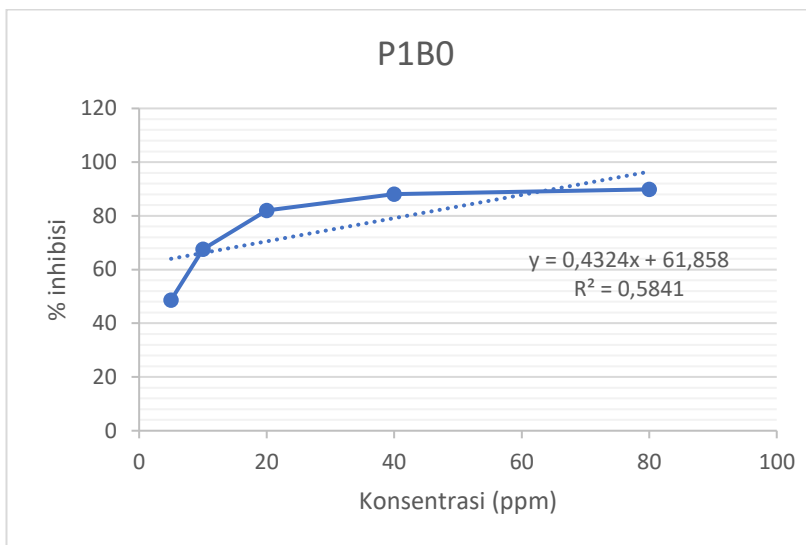
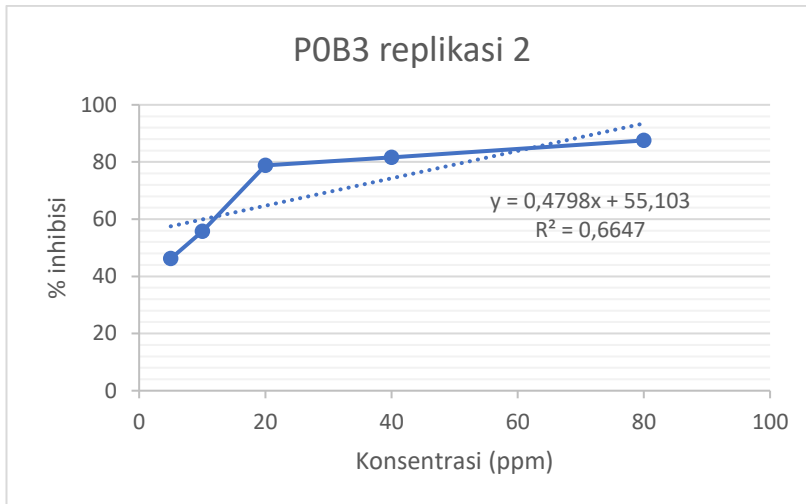
$$= 45,679\%$$

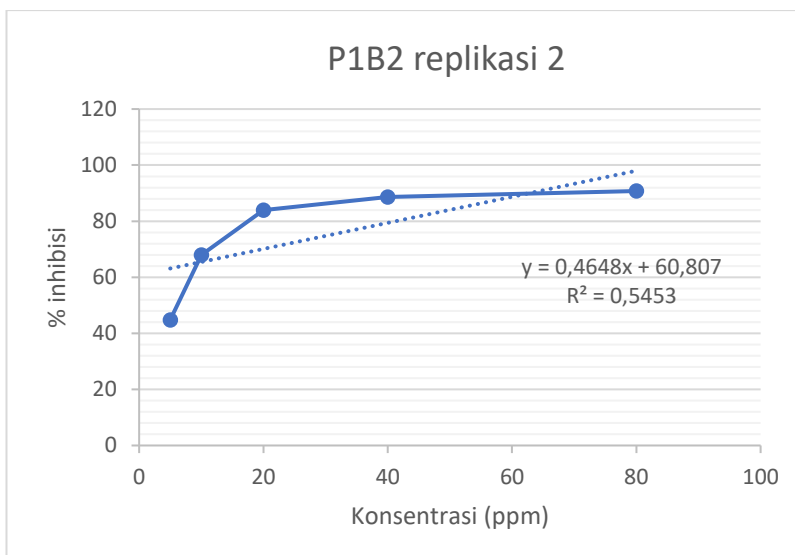
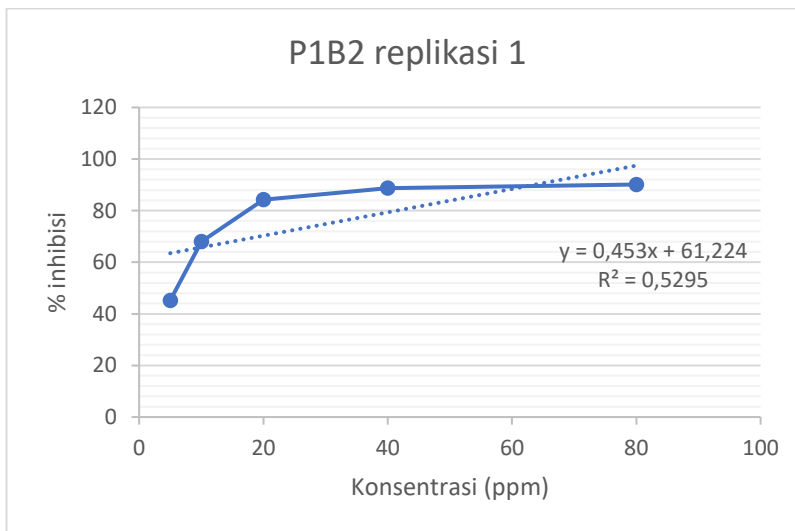
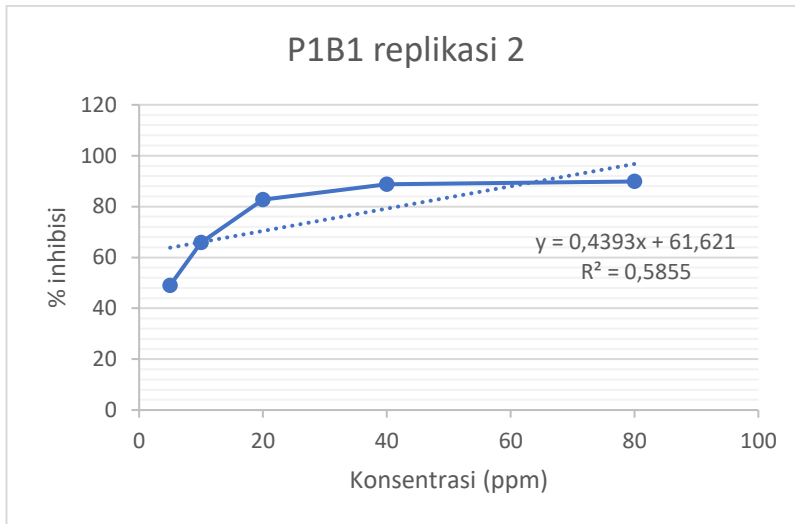


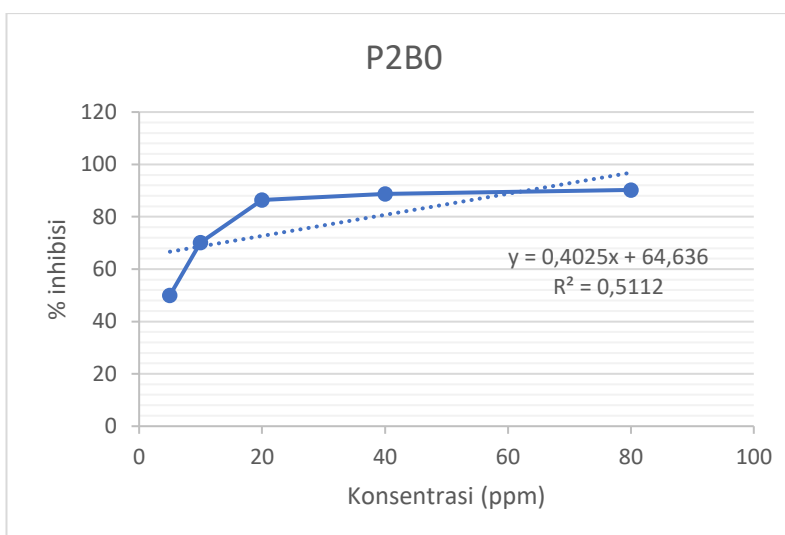
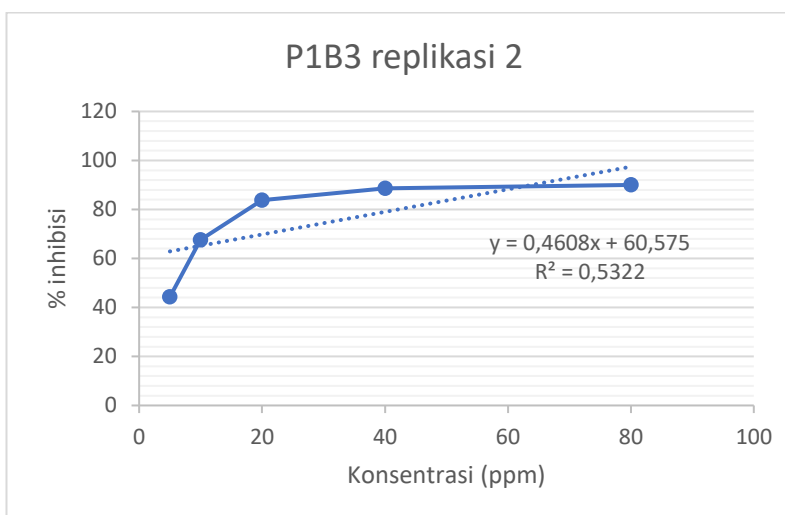
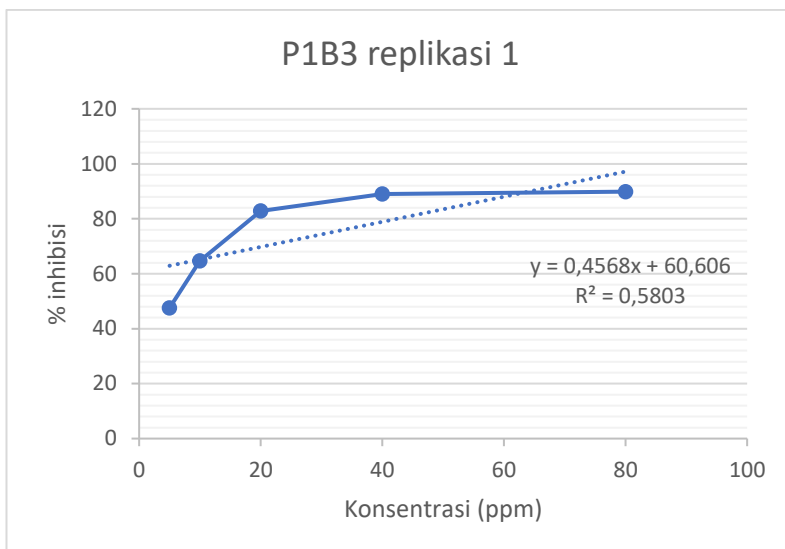
### Lampiran 11. Kurva uji aktivitas antioksidan

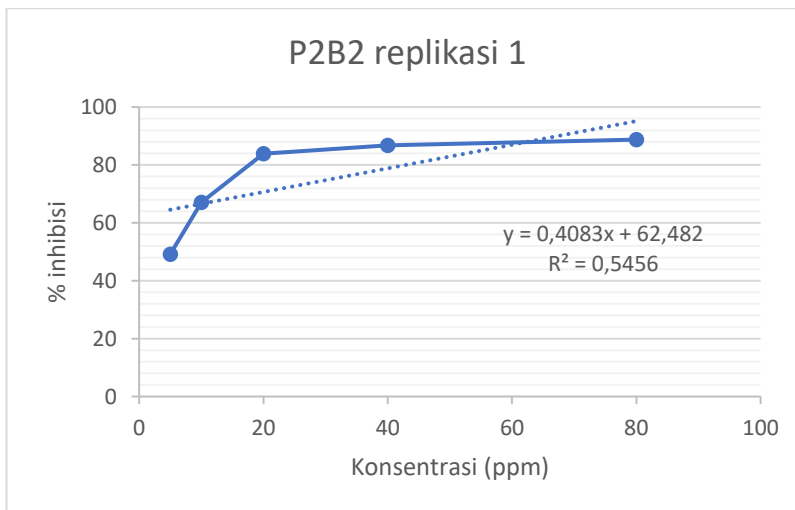
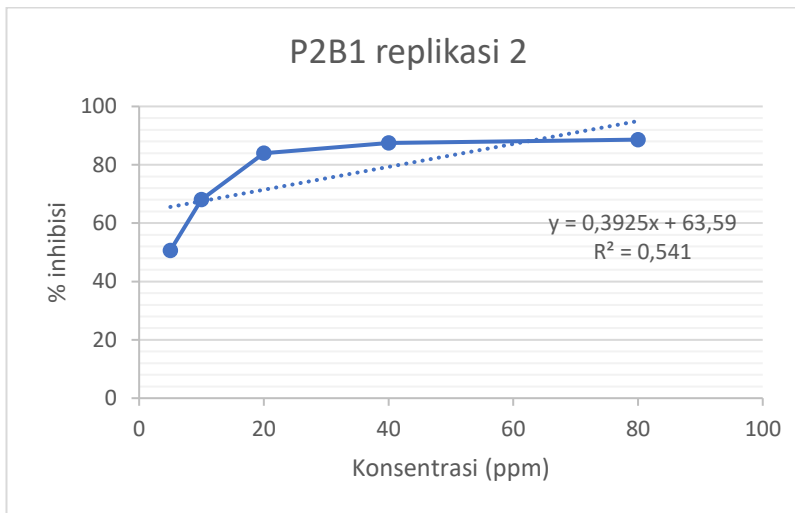
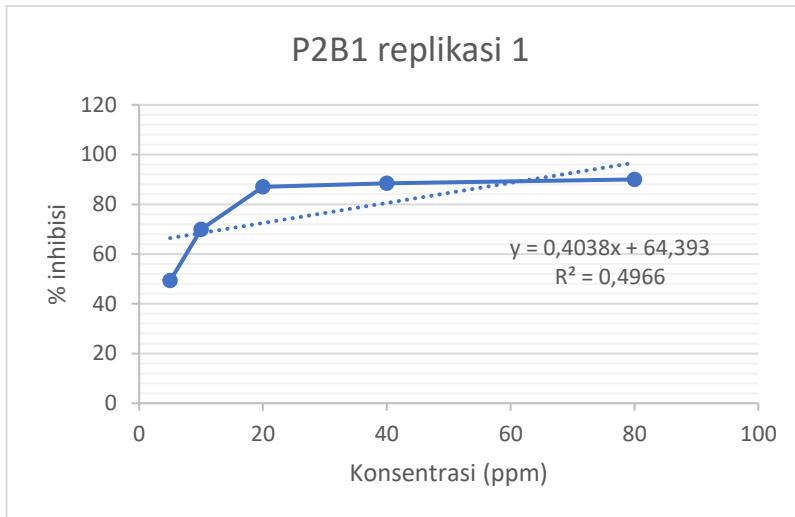


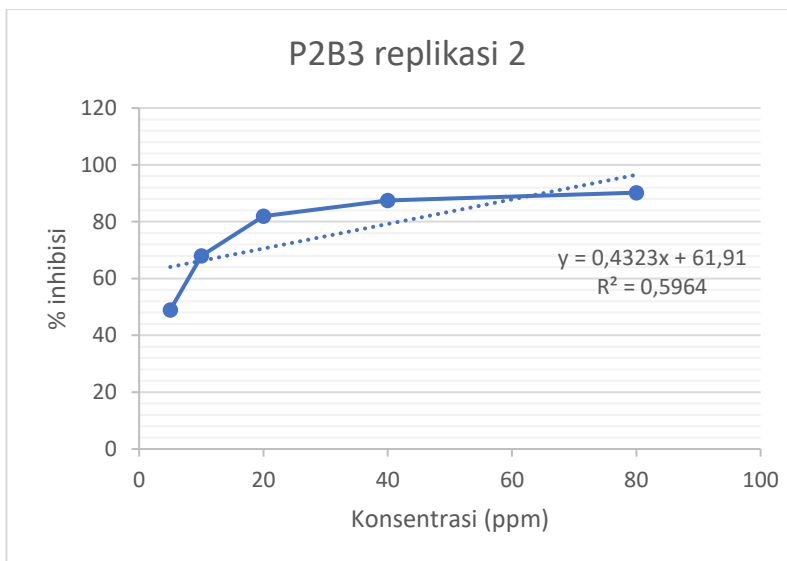
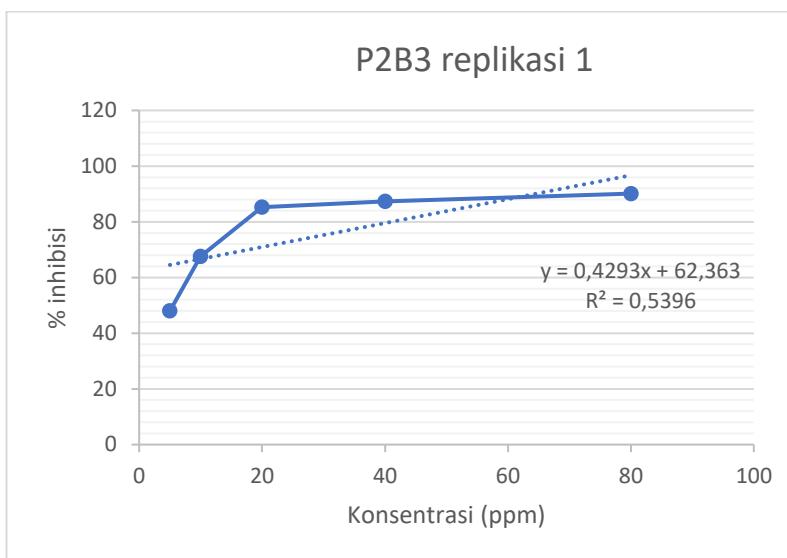
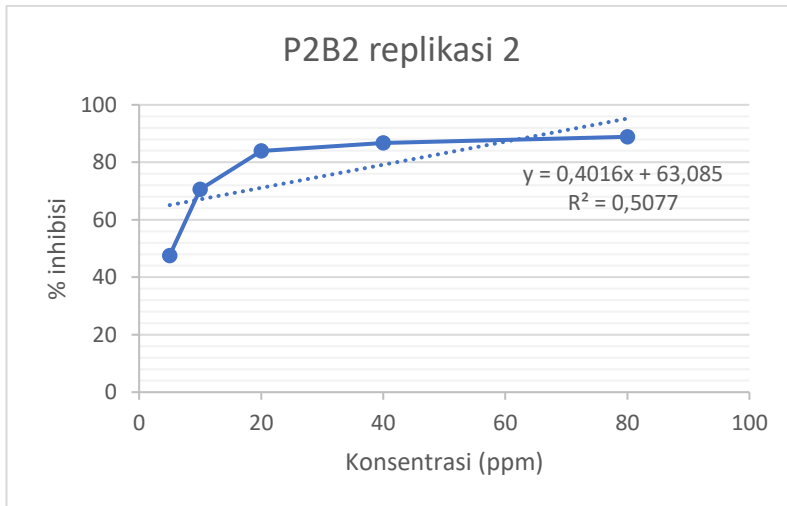


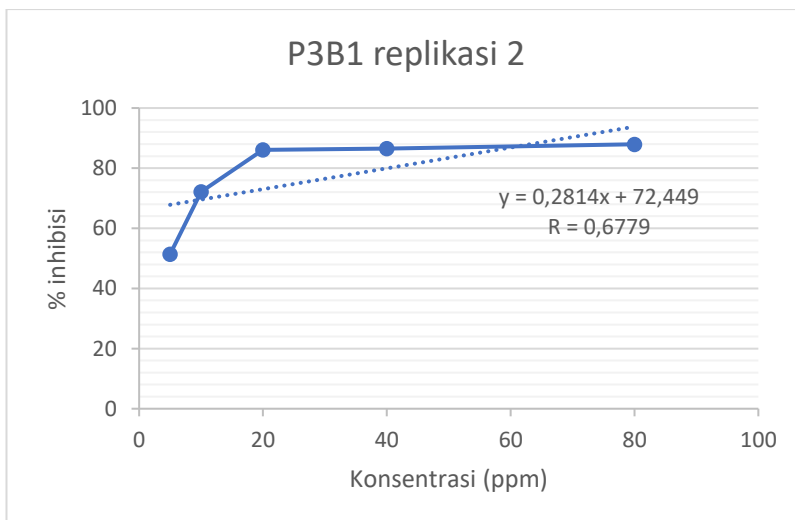
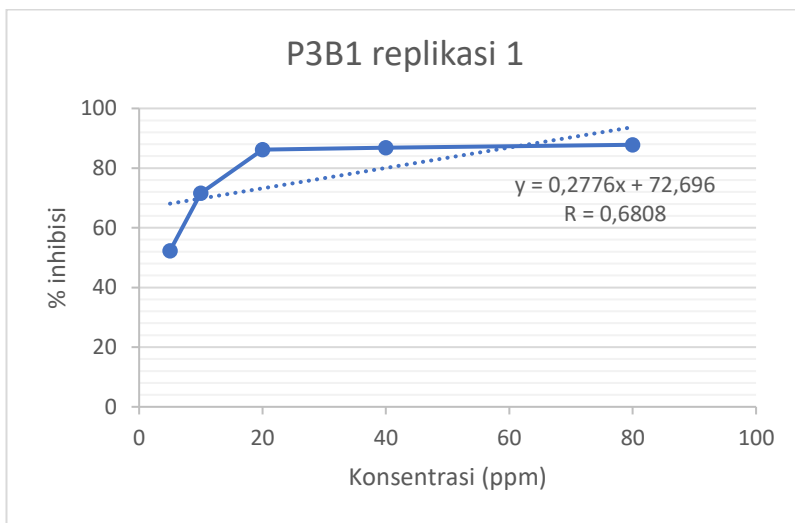
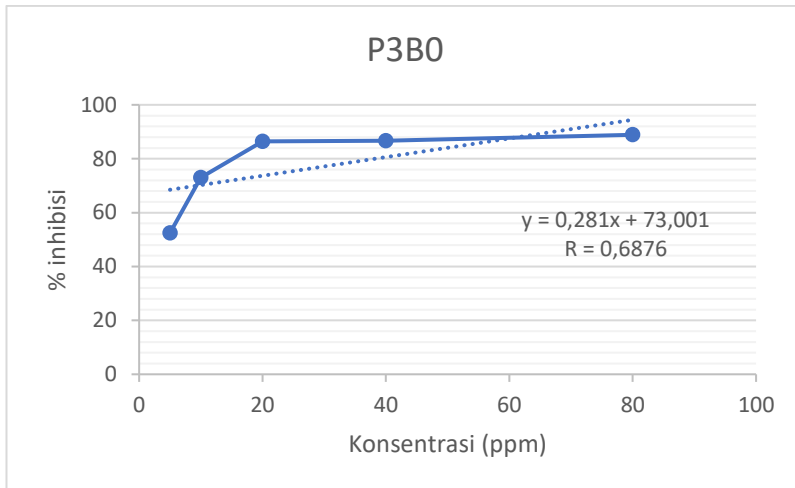




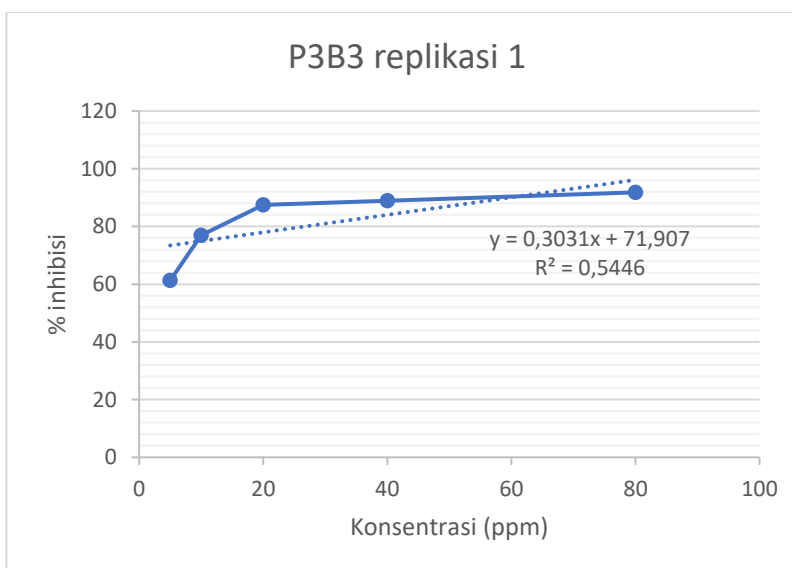
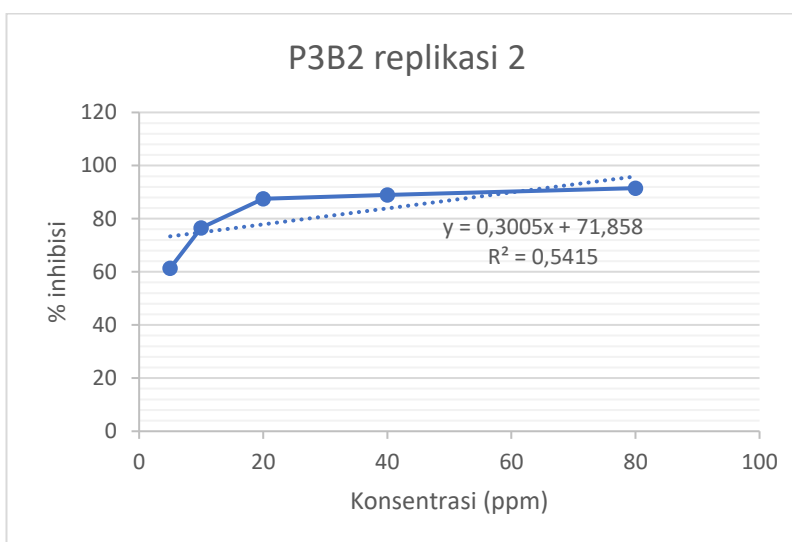
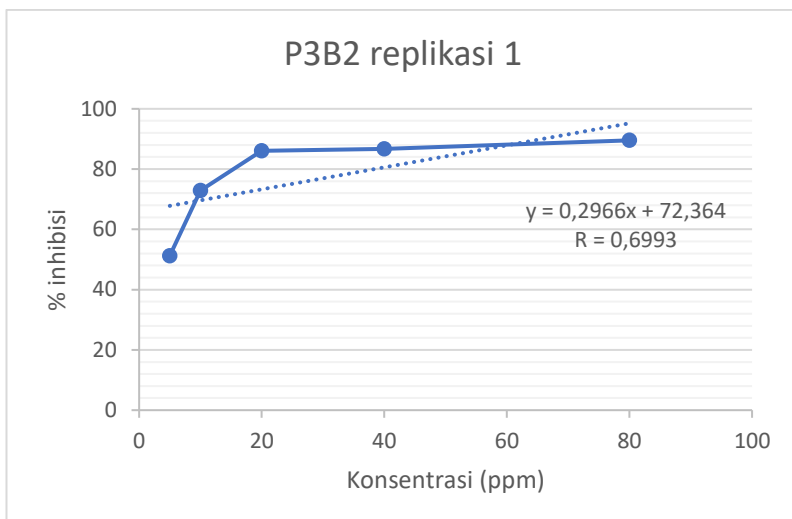


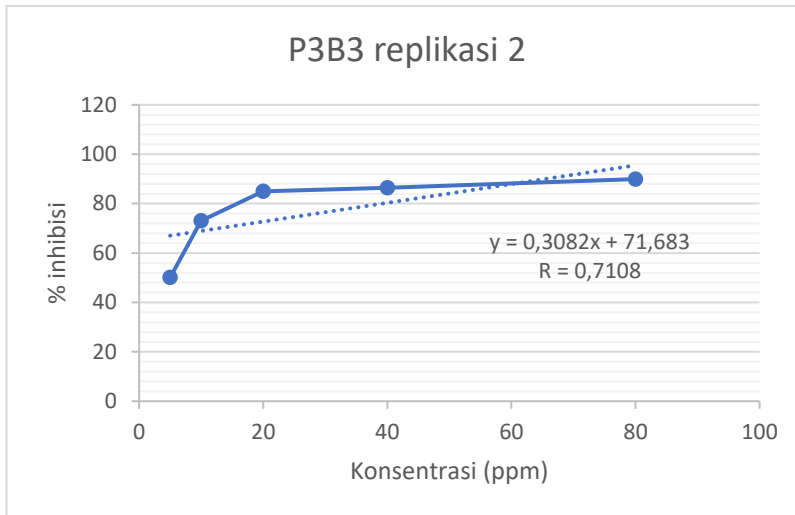












### Lampiran 12. Pembuatan teh kombucha

		<p style="text-align: center;"><b>SCOBY</b></p>
<p style="text-align: center;">Pelarutan gula</p>	<p style="text-align: center;">Penyeduhan teh</p>	
<p style="text-align: center;">Pemindahan teh ke wadah fermentasi</p>	<p style="text-align: center;">Penambahan SCOBY dalam teh</p>	<p style="text-align: center;">Fermentasi selama 7 hari</p>



Pemanasan teh pada suhu 70  
C  
selama 5 menit



Pengukuran suhu  
pemanasan dengan  
termometer



Penimbangan BTP kalium  
sorbat



Penambahan kalium sorbat  
pada teh kombucha



















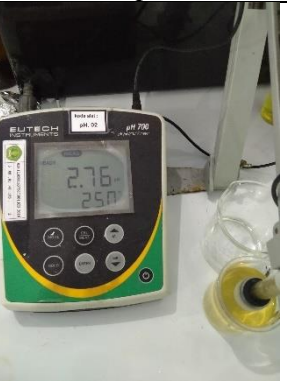







Sterilisasi wadah / botol  
untuk penyimpanan teh  
kombucha

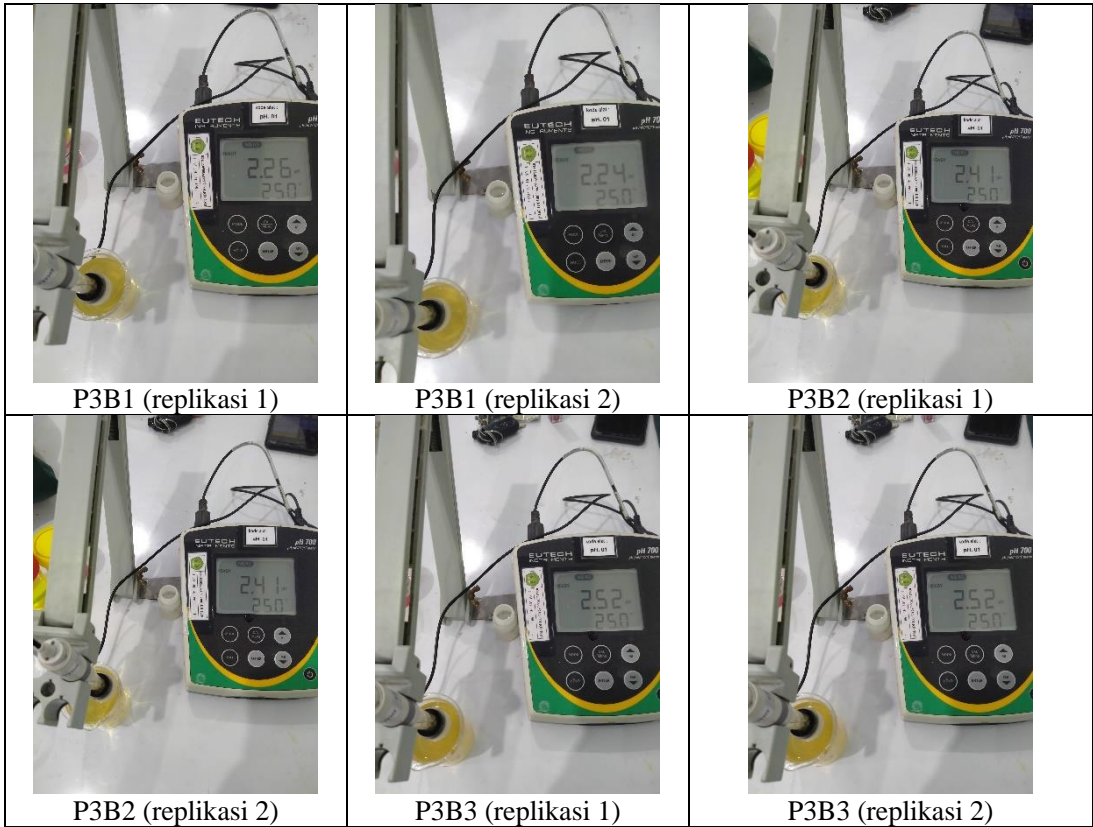


Pemindahan teh kombucha  
kedalam botol








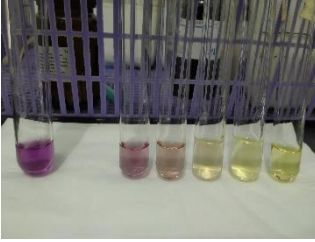

### Lampiran 13. Pengukuran pH

 <p>Kalibrasi buffer 4</p>	 <p>Kalibrasi buffer 7</p>	 <p>P0B0</p>
 <p>P0B1 (replikasi 1)</p>	 <p>P0B1 (replikasi 2)</p>	 <p>P0B2 (replikasi 1)</p>
 <p>P0B2 (replikasi 2)</p>	 <p>P0B3 (replikasi 1)</p>	 <p>P0B3 (replikasi 2)</p>
 <p>P1B0</p>	 <p>P1B1 (replikasi 1)</p>	 <p>P1B1 (replikasi 2)</p>

		
P1B2 (replikasi 1)	P1B2 (replikasi 2)	P1B3 (replikasi 1)
		
P1B3 (replikasi 2)	P2B0	P2B1 (replikasi 1)
		
P2B1 (replikasi 2)	P2B2 (replikasi 1)	P2B2 (replikasi 2)
		
P2B3 (replikasi 1)	P2B3 (replikasi 2)	P3B0



## Lampiran 14. Pengukuran aktivitas antioksidan dengan DPPH

 <p>Pemekatan sampel dengan suhu 50 C</p>	 <p>Melarutkan sampel</p>	 <p>Pembuatan baku kerja sampel</p>
 <p>Pembuatan DPPH 0,4 mM</p>	 <p>Inkubasi sampel</p>	 <p>Pengukuran gelombang maksimum</p>
 <p>Pengukuran blanko</p>	 <p>Sampel setelah penambahan DPPH dan inkubasi</p>	 <p>Pengukuran sampel</p>

