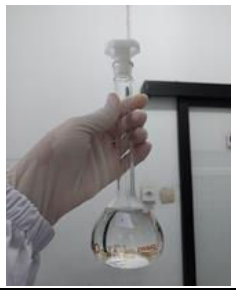
LAMPIRAN

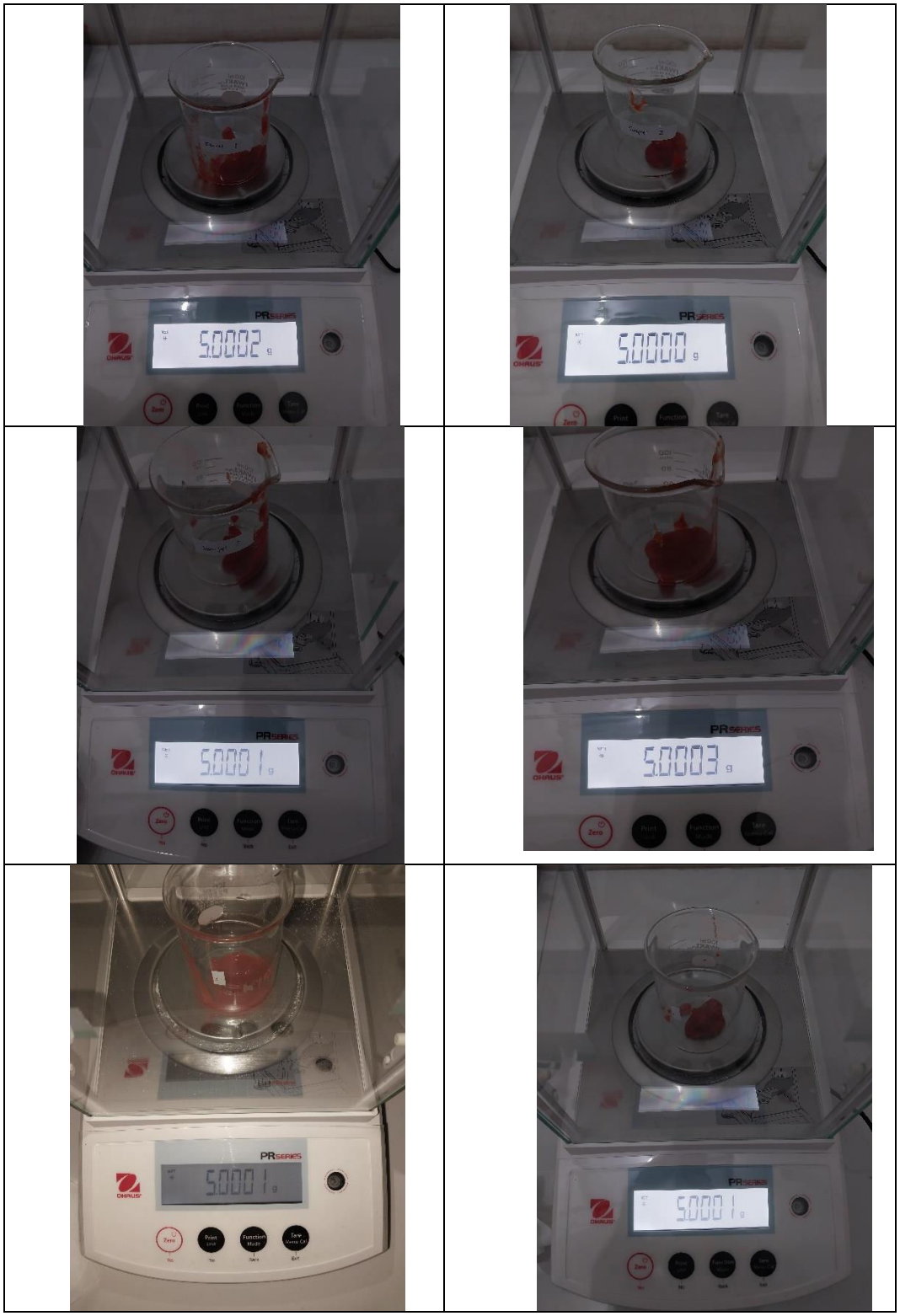
Lampiran 1: Foto Sampel

Sampel 1 	**Sampel 2** 	**Sampel 3** 
Sampel 4 	**Sampel 5** 	**Sampel 6** 
Sampel 7 	**Sampel 8** 	

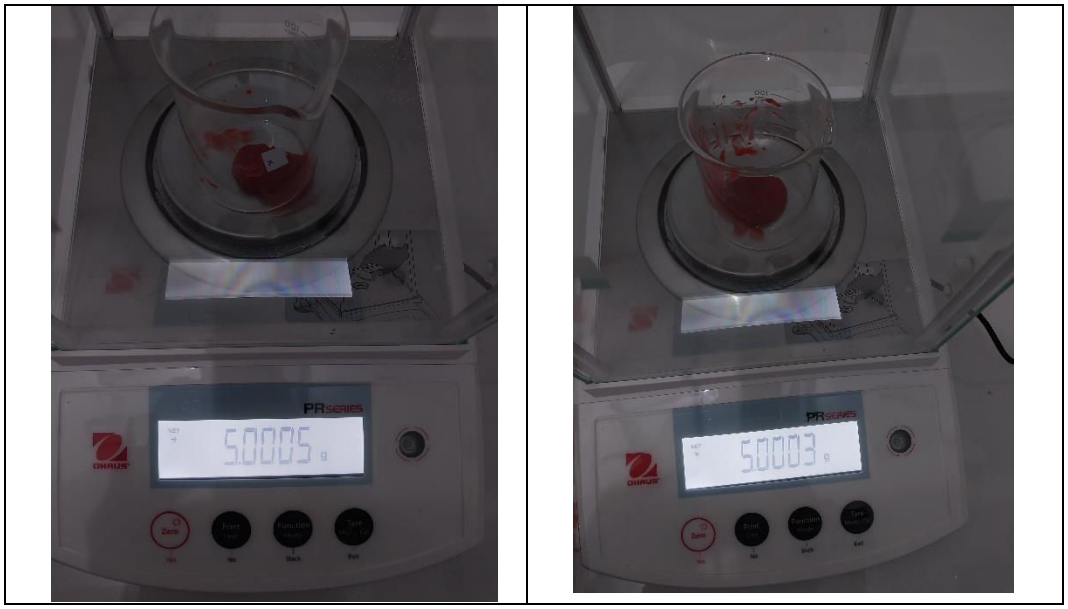
Gambar 6.1 Sampel Saos

Sampel 1 	Sampel 2 
Sampel 3 	Sampel 4 
Sampel 5 	Sampel 6 
Sampel 7 	Sampel 8 

Gambar 6.2 Larutan Sampel



Gambar 6.3 Penimbangan Sampel (a)



Gambar 6.4 Penimbangan Sampel (b)



Gambar 6.5 Pemanasan sampel dan Ekstraksi

Lampiran 2: Hasil Absorbansi dan Kadar Natrium Benzoat

Tabel 6.1 Hasil absorbansi pada Sampel

Sampel	Absorbansi	Kadar Natrium Benzoat (mg/kg)
1a	0,0854	48,1
1b	0,0856	48,3
1c	0,0866	49,0
2a	0,1095	66,2
2b	0,1107	67,1
2c	0,1098	66,4
3a	0,2385	162,7
3b	0,2966	206,2
3c	0,3188	222,8
4a	0,5981	431,9
4b	0,7623	554,8
4c	0,7827	570,1
5a	0,4562	325,7
5b	0,5385	387,3
5c	0,5907	426,3
6a	0,2943	204,5
6b	0,4014	284,7
6c	0,4162	295,7
7a	0,0598	29,0
7b	0,0843	47,3
7c	0,0883	50,3
8a	0,5210	374,2
8b	0,5341	384,0
8c	0,5314	382,0

Lampiran 3: Perhitungan Kadar Natrium Benzoat

Perhitungan Kadar Natrium Benzoat dalam Sampel Saus Tomat.

Sampel 1a

Absorbansi = 0.0854

x = (0.0854 - 0.0211) / 0.0668
x = 0.0643 / 0.0668 ≈ 0.963 ppm
Kadar = (0.963 × 0.05) / 0.001
Kadar = 48.1 mg/kg

Sampel 1b

Absorbansi = 0.0856

x = (0.0856 - 0.0211) / 0.0668
x = 0.0645 / 0.0668 ≈ 0.966 ppm
Kadar = (0.966 × 0.05) / 0.001
Kadar = 48.3 mg/kg

Sampel 1c

Absorbansi = 0.0866

x = (0.0866 - 0.0211) / 0.0668
x = 0.0655 / 0.0668 ≈ 0.981 ppm
Kadar = (0.981 × 0.05) / 0.001
Kadar = 49.0 mg/kg

Sampel 2a

Absorbansi = 0.1095

x = (0.1095 - 0.0211) / 0.0668
x = 0.0884 / 0.0668 ≈ 1.323 ppm
Kadar = (1.323 × 0.05) / 0.001
Kadar = 66.2 mg/kg

Sampel 2b

Absorbansi = 0.1107

x = (0.1107 - 0.0211) / 0.0668
x = 0.0896 / 0.0668 ≈ 1.341 ppm
Kadar = (1.341 × 0.05) / 0.001
Kadar = 67.1 mg/k

Sampel 2c

Absorbansi = 0.1098

x = (0.1098 - 0.0211) / 0.0668
x = 0.0887 / 0.0668 ≈ 1.328 ppm
Kadar = (1.328 × 0.05) / 0.001
Kadar = 66.4 mg/kg

Sampel 3a

Absorbansi = 0.2385

x = (0.2385 - 0.0211) / 0.0668
x = 0.2174 / 0.0668 ≈ 3.254 ppm
Kadar = (3.254 × 0.05) / 0.001
Kadar = 162.7 mg/kg

Sampel 3b

Absorbansi = 0.2966

x = (0.2966 - 0.0211) / 0.0668
x = 0.2755 / 0.0668 ≈ 4.124 ppm
Kadar = (4.124 × 0.05) / 0.001
Kadar = 206.2 mg/kg

Sampel 3c

Absorbansi = 0.3188

x = (0.3188 - 0.0211) / 0.0668
x = 0.2977 / 0.0668 ≈ 4.457 ppm
Kadar = (4.457 × 0.05) / 0.001
Kadar = 222.8 mg/kg

Sampel 4a

Absorbansi = 0.5981

x = (0.5981 - 0.0211) / 0.0668
x = 0.5770 / 0.0668 ≈ 8.638 ppm
Kadar = (8.638 × 0.05) / 0.001
Kadar = 431.9 mg/kg

Sampel 4b

Absorbansi = 0.7623

x = (0.7623 - 0.0211) / 0.0668
x = 0.7412 / 0.0668 ≈ 11.096 ppm
Kadar = (11.096 × 0.05) / 0.001
Kadar = 554.8 mg/kg

Sampel 4c

Absorbansi = 0.7827

x = (0.7827 - 0.0211) / 0.0668
x = 0.7616 / 0.0668 ≈ 11.401 ppm
Kadar = (11.401 × 0.05) / 0.001
Kadar = 570.1 mg/kg

Sampel 5a

Absorbansi = 0.4562

x = (0.4562 - 0.0211) / 0.0668
x = 0.4351 / 0.0668 ≈ 6.513 ppm
Kadar = (6.513 × 0.05) / 0.001
Kadar = 325.7 mg/kg

Sampel 5b

Absorbansi = 0.5385

x = (0.5385 - 0.0211) / 0.0668
x = 0.5174 / 0.0668 ≈ 7.746 ppm
Kadar = (7.746 × 0.05) / 0.001
Kadar = 387.3 mg/kg

Sampel 5c

Absorbansi = 0.5907

x = (0.5907 - 0.0211) / 0.0668
x = 0.5696 / 0.0668 ≈ 8.527 ppm
Kadar = (8.527 × 0.05) / 0.001
Kadar = 426.3 mg/kg

Sampel 6a

Absorbansi = 0.2943

x = (0.2943 - 0.0211) / 0.0668
x = 0.2732 / 0.0668 ≈ 4.090 ppm
Kadar = (4.090 × 0.05) / 0.001
Kadar = 204.5 mg/kg

Sampel 6b

Absorbansi = 0.4014

x = (0.4014 - 0.0211) / 0.0668
x = 0.3803 / 0.0668 ≈ 5.693 ppm
Kadar = (5.693 × 0.05) / 0.001
Kadar = 284.7 mg/kg

Sampel 6c

Absorbansi = 0.4162

x = (0.4162 - 0.0211) / 0.0668
x = 0.3951 / 0.0668 ≈ 5.915 ppm
Kadar = (5.915 × 0.05) / 0.001
Kadar = 295.7 mg/kg

Sampel 7a

Absorbansi = 0.0598

x = (0.0598 - 0.0211) / 0.0668
x = 0.0387 / 0.0668 ≈ 0.579 ppm
Kadar = (0.579 × 0.05) / 0.001
Kadar = 29.0 mg/kg

Sampel 7b

Absorbansi = 0.0843

x = (0.0843 - 0.0211) / 0.0668
x = 0.0632 / 0.0668 ≈ 0.946 ppm
Kadar = (0.946 × 0.05) / 0.001
Kadar = 47.3 mg/kg

Sampel 7c

Absorbansi = 0.0883

x = (0.0883 - 0.0211) / 0.0668
x = 0.0672 / 0.0668 ≈ 1.006 ppm
Kadar = (1.006 × 0.05) / 0.001
Kadar = 50.3 mg/kg

Sampel 8a

Absorbansi = 0.5210

x = (0.5210 - 0.0211) / 0.0668
x = 0.4999 / 0.0668 ≈ 7.484 ppm
Kadar = (7.484 × 0.05) / 0.001
Kadar = 374.2 mg/kg

Sampel 8b

Absorbansi = 0.5341

x = (0.5341 - 0.0211) / 0.0668
x = 0.5130 / 0.0668 ≈ 7.680 ppm
Kadar = (7.680 × 0.05) / 0.001
Kadar = 384.0 mg/kg

Sampel 8c

Absorbansi = 0.5314

x = (0.5314 - 0.0211) / 0.0668
x = 0.5103 / 0.0668 ≈ 7.639 ppm
Kadar = (7.639 × 0.05) / 0.001
Kadar = 382.0 mg/kg