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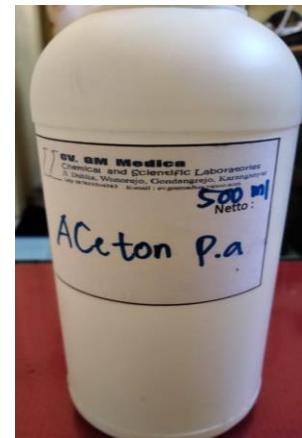
I

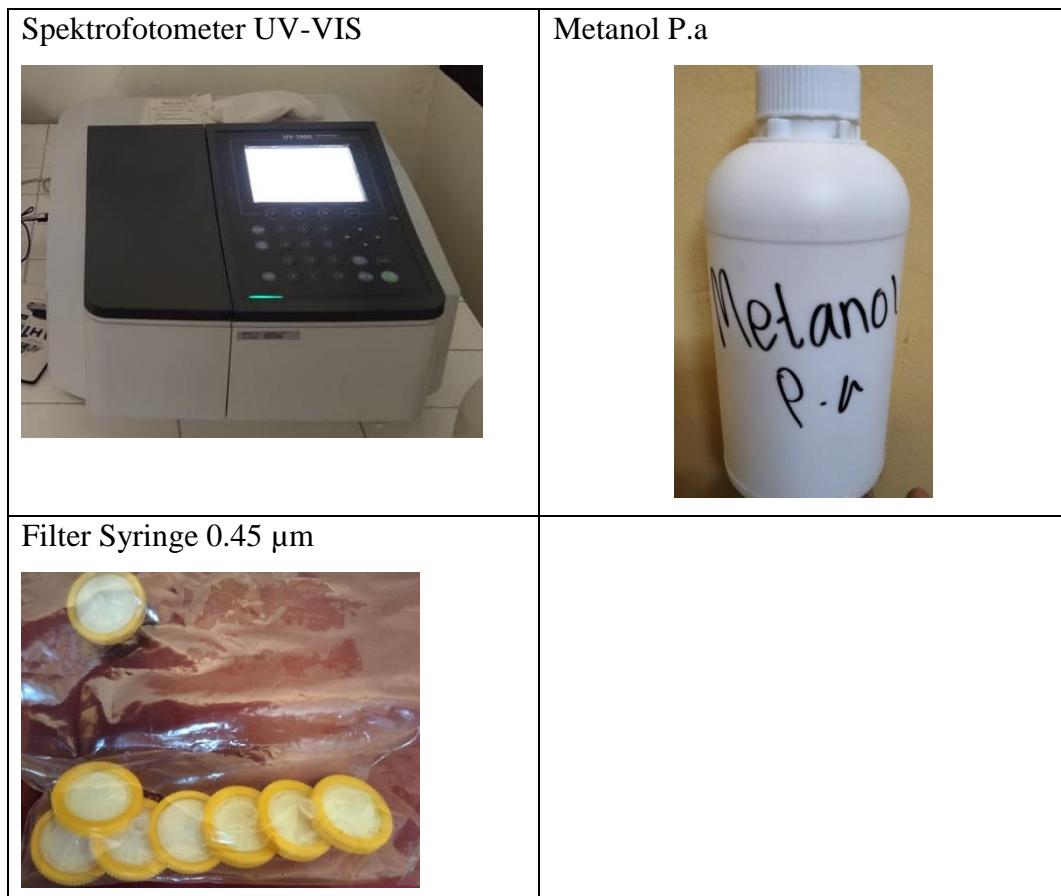
R

A

N

Lampiran 1. Gambar alat dan bahan

Alat	Bahan
Alat KCKT	A-tokoferol 
Injecto pada KCKT	Extra Virgin Olive Oil 
Sonikator	Aseton 

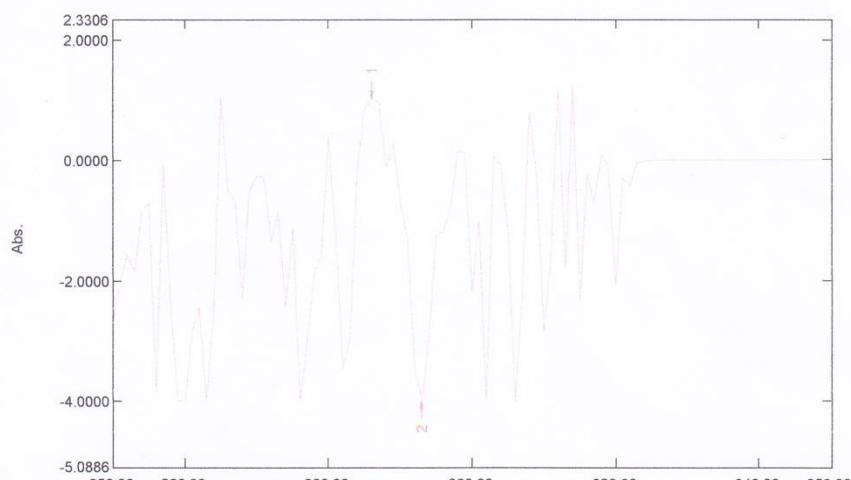


Lampiran 2. Hasil penentuan panjang gelombang pada larutan baku

Spectrum Peak Pick Report

03/16/2021 02:54:57 PM

Data Set: File_210316_145414 - RawData



[Measurement Properties]

Wavelength Range (nm.):

250.00 to 350.00

Scan Speed:

Fast

Sampling Interval:

1.0

Auto Sampling Interval:

Disabled

Scan Mode:

Single

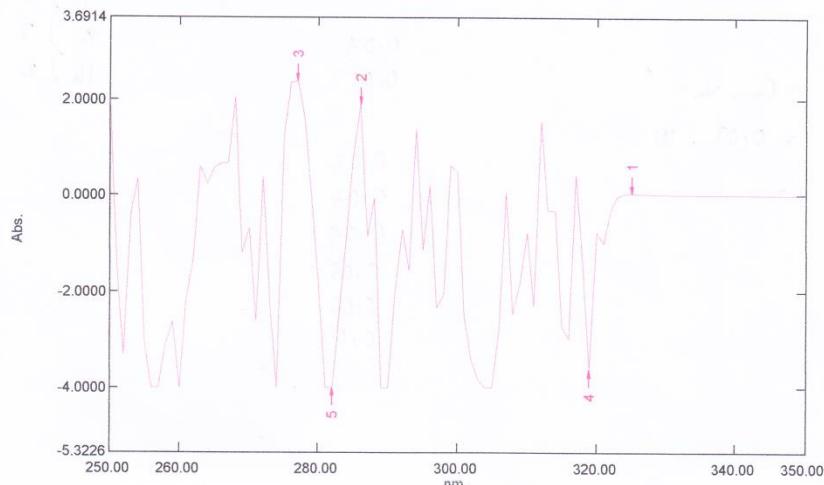
No.	P/V	Wavelength	Abs.	Description
1	↑	286.00	1.0322	
2	↓	293.00	-4.0000	

Lampiran 3. Hasil penentuan panjang gelombang pada sampel

Spectrum Peak Pick Report

03/16/2021 12:27:37 PM

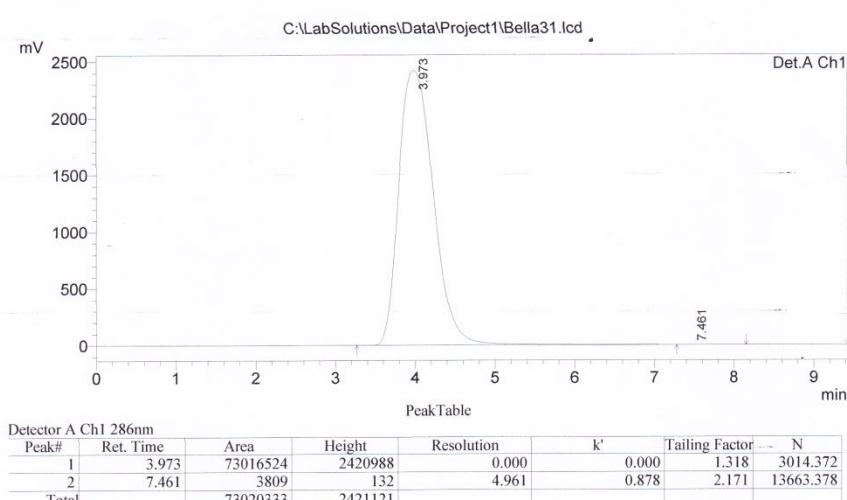
Data Set: File_210316_122645 - RawData



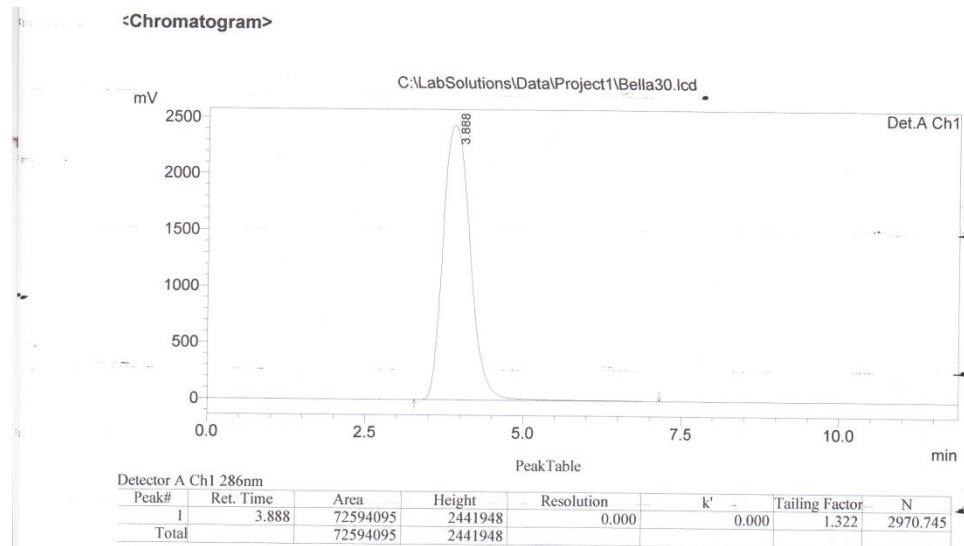
No.	P/V	Wavelength	Abs.	Description
1	↑	325.00	0.0420	
2	↑	286.00	1.8965	
3	↑	277.00	2.3688	
4	↓	319.00	-3.6190	
5	↓	282.00	-4.0000	

Lampiran 4. Hasil kromatogram pada sampel menggunakan KCKT Replikasi 1

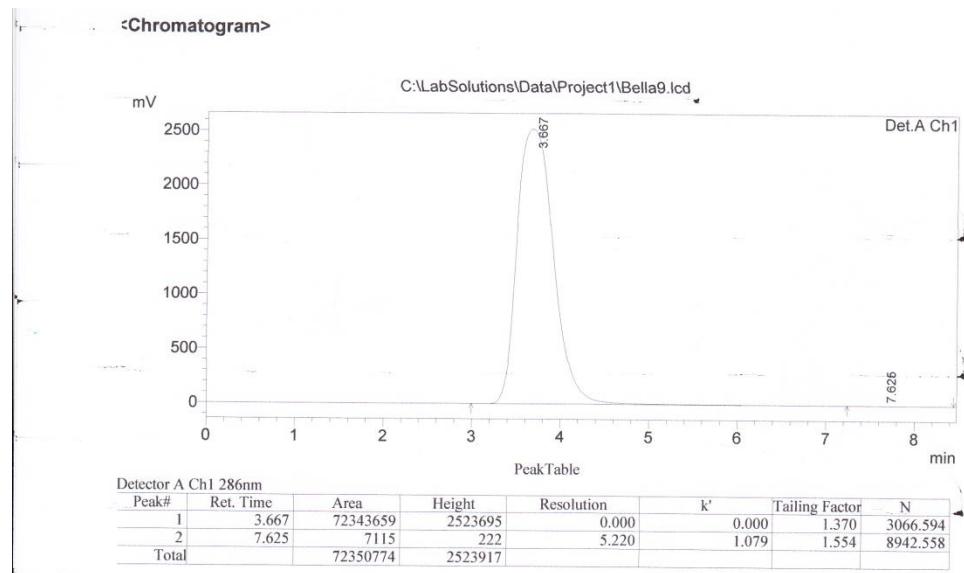
<Chromatogram>



Replikasi 2

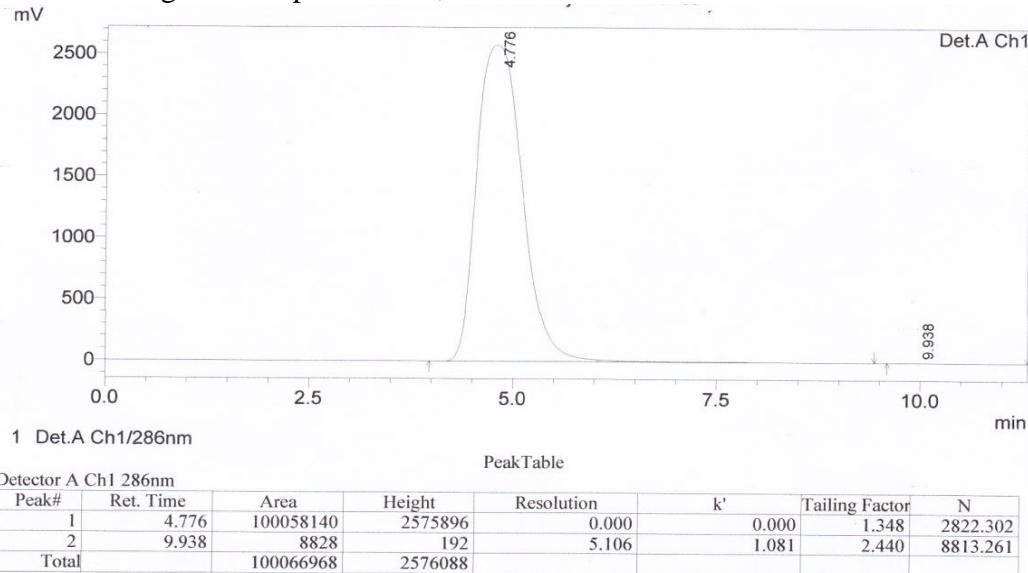


Replikasi 3

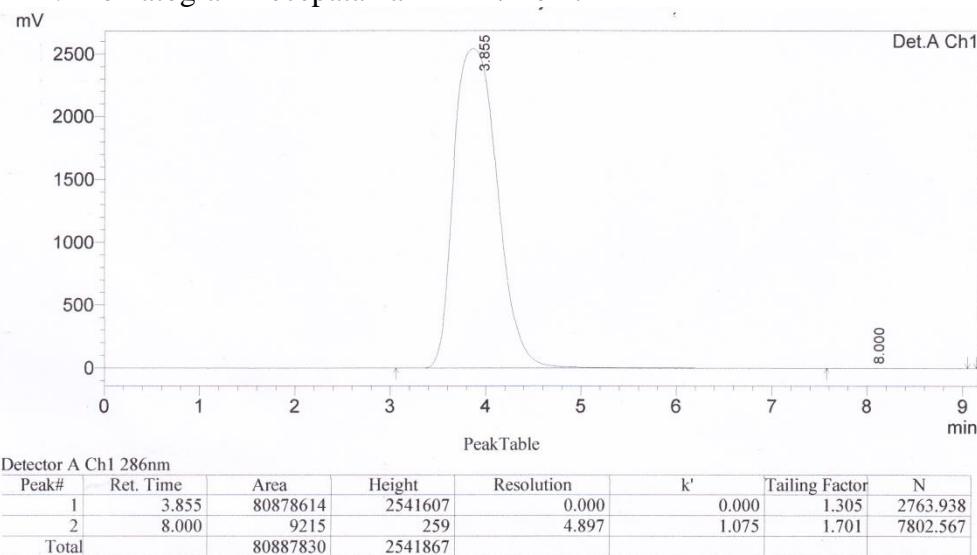


Lampiran 5. Kromatogram uji kecepatan alir

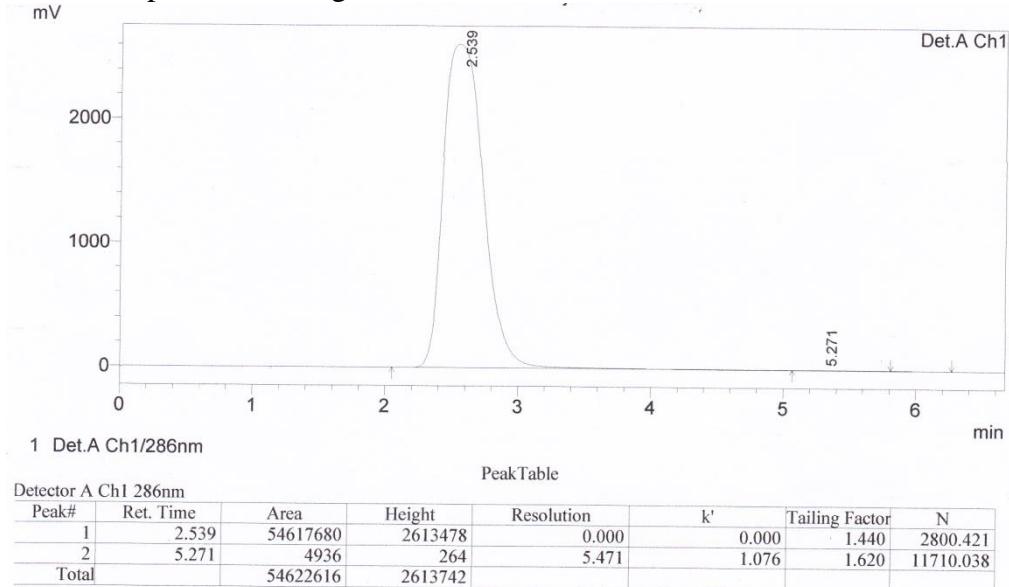
1. Kromatogram kecepatan alir 0,8mL/menit



2. Kromatogram kecepatan alir 1mL/menit



3. Kecepatan kromatogram 1,5mL/menit



Lampiran 6. Perhitungan pengenceran kurva baku

Pengenceran kurva baku

$$C_1 \times V_1 = C_2 \times V_2$$

$$50\text{ppm} \times V_1 = 0.1 \times 10\text{mL}$$

$$V_1 = 0.02\text{mL} = 20\mu\text{L}$$

$$C_1 \times V_1 = C_2 \times V_2$$

$$50\text{ppm} \times V_1 = 0.2 \times 10\text{mL}$$

$$V_1 = 0.04\text{mL} = 40\mu\text{L}$$

$$C_1 \times V_1 = C_2 \times V_2$$

$$50\text{ppm} \times V_1 = 0.3 \times 10\text{mL}$$

$$V_1 = 0.06\text{mL} = 60\mu\text{L}$$

$$C_1 \times V_1 = C_2 \times V_2$$

$$50\text{ppm} \times V_1 = 0.4 \times 10\text{mL}$$

$$V_1 = 0.08\text{mL} = 80\mu\text{L}$$

$$C_1 \times V_1 = C_2 \times V_2$$

$$50\text{ppm} \times V_1 = 0.5 \times 10\text{mL}$$

$$V_1 = 0.1\text{mL} = 100\mu\text{L}$$

$$C_1 \times V_1 = C_2 \times V_2$$

$$50\text{ppm} \times V_1 = 0.6 \times 10\text{mL}$$

$$V_1 = 0.12\text{mL} = 120\mu\text{L}$$

Lampiran 7. Perhitungan pengenceran pada akurasi

$$0.2\text{ppm} \times 80\% = 0.16\text{ppm}$$

$$C_1 \times V_1 = C_2 \times V_2$$

$$50\text{ppm} \times V_1 = 0.16 \times 10\text{mL}$$

$$V_1 = 0.032\text{mL} = 32\mu\text{L}$$

$$0.2\text{ppm} \times 100\% = 0.2\text{ppm}$$

$$C_1 \times V_1 = C_2 \times V_2$$

$$50\text{ppm} \times V_1 = 0.2 \times 10\text{mL}$$

$$V_1 = 0.04\text{mL} = 40\mu\text{L}$$

$$0.2\text{ppm} \times 120\% = 0.24\text{ppm}$$

$$C_1 \times V_1 = C_2 \times V_2$$

$$50\text{ppm} \times V_1 = 0.24 \times 10\text{mL}$$

$$V_1 = 0.048\text{mL} = 50\mu\text{L}$$

Lampiran 8. Hasil perhitungan presisi

Konsentrasi (mg/L)	Luas Area (A)(μV/s)	Kadar sebenarnya (mg/L)	Rata-rata	SD	% KV
0.2	73340912	0.205	0.205	0.003	1.53
	73321043	0.203			
	73340212	0.205			
	73309867	0.202			
	73330432	0.204			
	73412521	0.211			

$$\text{Rata - rata} = \frac{0.205 + 0.203 + 0.205 + 0.202 + 0.204 + 0.211}{6} = 0.205$$

$$SD = \sqrt{\frac{(\sum(X - \bar{X})^2)}{n - 1}}$$

$$SD = \sqrt{\frac{0 + 0.000004 + 0 + 0.000009 + 0.000001 + 0.000036}{6 - 1}} \\ = \sqrt{0.00001} = 0.003$$