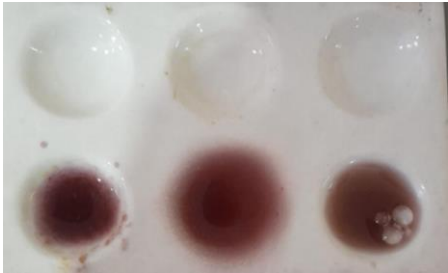
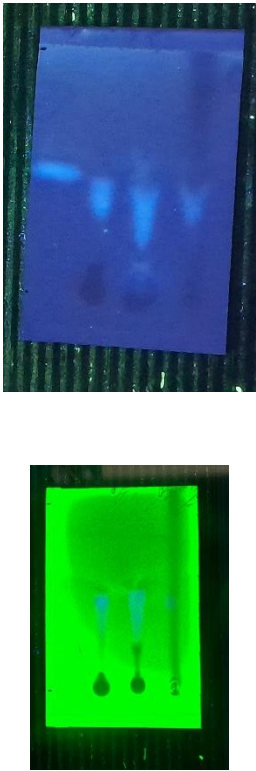


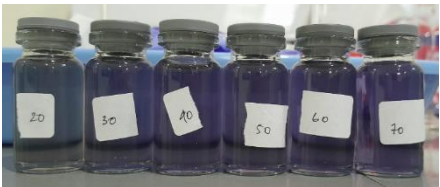
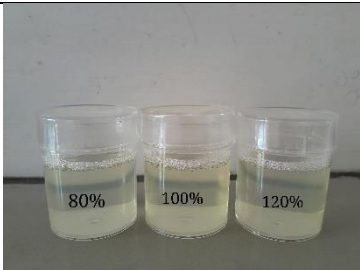
LAMPIRAN

Lampiran 1. Hasil Uji Kualitatif

Uji warna dengan pereaksi FeCl_3	Kromatografi lapis tipis (KLT)
	

Lampiran 2. Pembuatan Larutan

Penimbangan asam salisilat	
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Pembuatan kurva baku 6 seri konsentrasi	
Pembuatan serum simulasi	
Validasi metode akurasi	
Validasi metode presisi	

Penetapan kadar asam salisilat	
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Lampiran 3. Perhitungan Kurva Kalibrasi

Baku asam salisilat $50 \text{ mg}/50\text{mL} = 1 \text{ mg/mL} \rightarrow 1000 \text{ } \mu\text{g/mL}$

Perhitungan larutan standar asam salisilat $100 \text{ } \mu\text{g/mL}$

$$V1 \times C1 = V2 \times C2$$

$$V1 \times 1000 = 25 \text{ mL} \times 100$$

$$V1 = \frac{25 \times 100}{1000}$$

$$V1 = 2,5 \text{ ml}$$

Perhitungan kurva baku 6 seri konsentrasi

$$20 \text{ ppm} : V1 \times N1 = V2 \times N2$$

$$V1 \times 100 = 10 \text{ mL} \times 20$$

$$V1 = \frac{200}{100}$$

$$V1 = 2 \text{ mL}$$

$$30 \text{ ppm} : V1 \times N1 = V2 \times N2$$

$$V1 \times 100 = 10 \text{ mL} \times 30$$

$$V1 = \frac{300}{100}$$

$$V1 = 3 \text{ mL}$$

$$40 \text{ ppm} : V1 \times N1 = V2 \times N2$$

$$V1 \times 100 = 10 \text{ mL} \times 40$$

$$V1 = \frac{400}{100}$$

$$V1 = 4 \text{ mL}$$

$$50 \text{ ppm} : V1 \times N1 = V2 \times N2$$

$$V1 \times 100 = 10 \text{ mL} \times 50$$

$$V1 = \frac{500}{100}$$

$$V1 = 5 \text{ mL}$$

$$60 \text{ ppm} : V1 \times N1 = V2 \times N2$$

$$V1 \times 100 = 10 \text{ mL} \times 60$$

$$V1 = \frac{600}{100}$$

$$V1 = 6 \text{ mL}$$

$$70 \text{ ppm} : V1 \times N1 = V2 \times N2$$

$$V1 \times 100 = 10 \text{ mL} \times 70$$

$$V1 = \frac{700}{100}$$

$$V1 = 7 \text{ mL}$$

Lampiran 4. Perhitungan LOD dan LOQ

	Abs	Y'	(Y-Y')	BD	BK	Vx0
1	0,255	0,263	-0,008	0,0203181818	0,0677272727	1,743704697
2	0,373	0,373	0			
3	0,493	0,483	0,01			
4	0,598	0,593	0,005			
5	0,693	0,703	-0,01			
6	0,810	0,813	-0,003			

Persamaan linieritas; $y = bx + a$

$$y = 0,011x + 0,0433$$

$$a = 0,0433$$

$$b = 0,011$$

$$R^2 = 0,9986$$

$$\frac{Sy}{x} = \sqrt{\frac{\sum(y - y')}{n - 2}} = \sqrt{\frac{0,000298}{4}} = 0,008631338$$

$$BD = \frac{3 \times (y/x)}{b} = \frac{3(0,008631338)}{0,011} = 2,354001341$$

$$BK = \frac{10(y/x)}{b} = \frac{10(0,008631338)}{0,011} = 7,846671137$$

$$Sx0 = \frac{sy/x}{B} = \frac{0,008631338}{0,011} = 0,7846670909$$

$$Vx0 = \frac{Sx0}{rata - rata} \times 100 = \frac{0,7846670909}{45} \times 100 = 1,74370465$$

Lampiran 5. Perhitungan Akurasi

Sampel simulasi	Konsentrasi teoritis	Yang terukur µg/ml	%Recovery	Rata-rata
80%	20	19,90	99,5%	98,6%
		19,81	99,0%	
		19,45	97,2%	
100%	40	39,90	99,7%	99,7%
		39,72	99,3%	
		40,09	100,2%	
120%	60	51,45	85,7%	85,2%
		51,27	85,4%	
		50,72	84,5%	

Lampiran 8. Hasil Turnitin

FITRI APRILIA			
ORIGINALITY REPORT			
18%	14%	5%	9%
SIMILARITY INDEX	INTERNET SOURCES	PUBLICATIONS	STUDENT PAPERS
PRIMARY SOURCES			
1	Submitted to Swinburne University of Technology Student Paper	4%	
2	repository2.unw.ac.id Internet Source	3%	
3	jurnal.farmasi.umi.ac.id Internet Source	2%	
4	positori.uma.ac.id Internet Source	1%	
5	ejournal.uin-malang.ac.id Internet Source	1%	
6	ejournals.stfm.ac.id Internet Source	1%	
7	repository.uinjkt.ac.id Internet Source	1%	
8	haifarmasi.wordpress.com Internet Source	1%	
9	jkk.unjani.ac.id Internet Source	1%	



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Bhakti Kencana

No. Dok. 02.64.00/FRM-03/AKD-SPMI



KARTU BIMBINGAN TUGAS AKHIR II

Pembimbing Serta	Emma Emmawati, M.Si
Nama Mahasiswa	Fitri Aprilia
NPM	221FF04006
Bidang Ilmu	Analisis Farmasi dan Kimia Medisinal

[illegible]

Catatan: Kartu ini harus dibawa setiap kali melakukan bimbingan dan harus diisi oleh dosen pembimbing.

☎ 022 7630 760, 022 7630 768

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Bandung, 4 September 2024

Fitri Aprilia