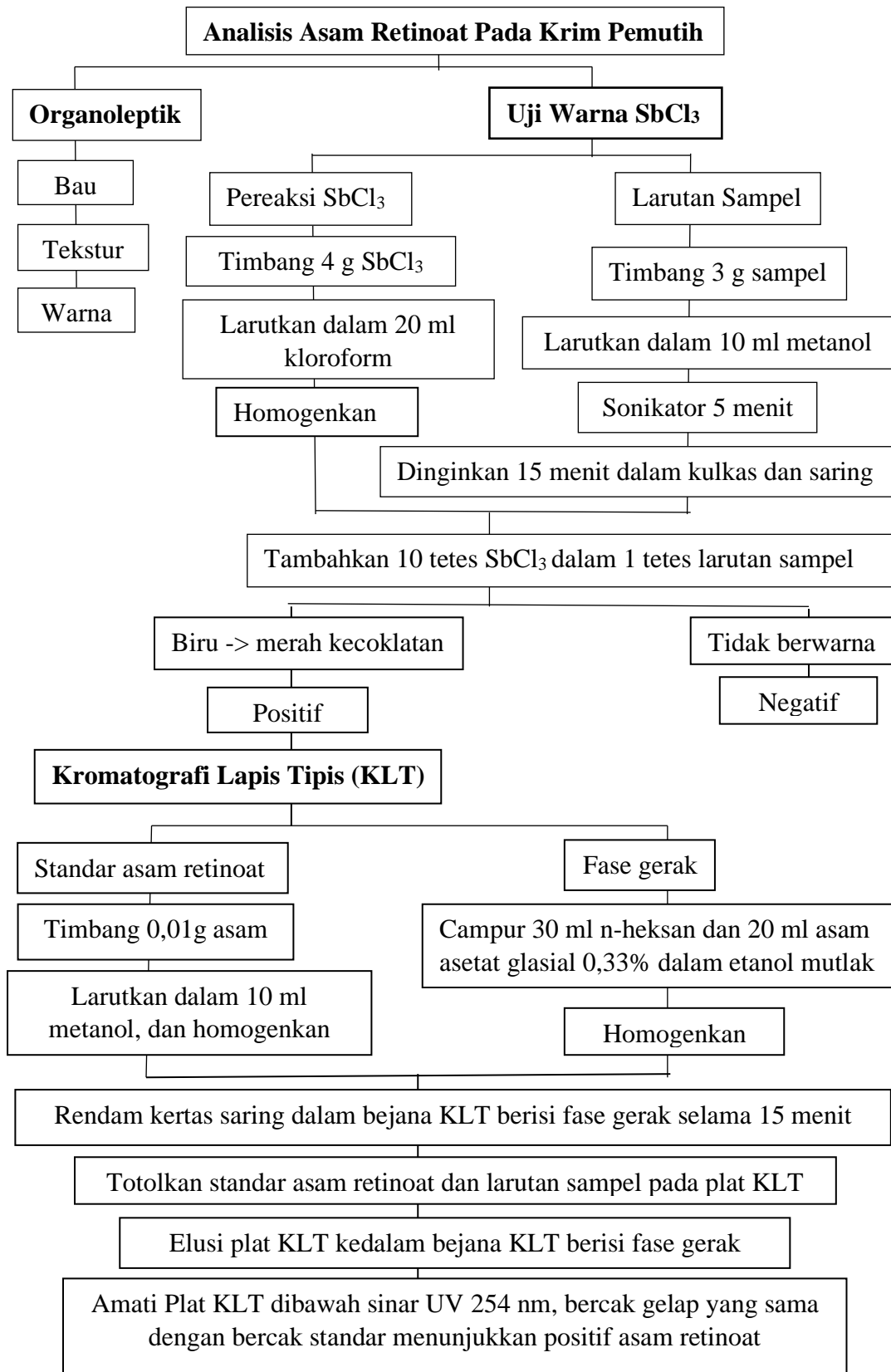


LAMPIRAN

Lampiran 1 Bagan Prosedur



Lampiran 2 Perhitungan Fase gerak

Larutan n-heksan – asam asetat glasial 0,33% dalam etanol mutlak (9:1) v/v

1) Pembuatan Asam asetat glasial 0,33% dalam etanol mutlak

- Asam asetat glasial 10% dalam etanol mutlak 10 ml

$$M1 \times V1 = M2 \times V2$$

$$100\% \times V1 = 10\% \times 10 \text{ ml}$$

$$V1 = \frac{10\% \times 10 \text{ ml}}{100\%}$$

$$V1 = 1 \text{ ml}$$

- Asam Asetat glasial 0,33% dalam etanol mutlak 50 ml

$$M1 \times V1 = M2 \times V2$$

$$10\% \times V1 = 0,33\% \times 50 \text{ ml}$$

$$V1 = \frac{0,33\% \times 50 \text{ ml}}{10\%}$$

$$V1 = 1,65 \text{ ml}$$

2) Perbandingan fase gerak n-heksan – asam asetat glasial 0,33% dalam etanol mutlak (9:1) v/v

$$\text{volume dipipet} = \frac{\text{angka perbandingan}}{\text{jumlah perbandingan}} \times \text{volume eluen}$$

n-heksan :

$$\text{volume dipipet} = \frac{9}{10} \times 50 \text{ ml} = 45 \text{ ml}$$

asam setat glasial 0,33% dalam etanol mutlak :

$$\text{volume dipipet} = \frac{1}{10} \times 50 \text{ ml} = 5 \text{ ml}$$

Lampiran 3 Data perhitungan nilai R_f

$$\text{Nilai } R_f = \frac{\text{jarak elusi sampel}}{\text{jarak pelarut}}$$

1) Perhitungan nilai R_f pada larutan baku standar asam retinoat

$$R_f = \frac{1,4 \text{ cm}}{8 \text{ cm}} = 0,18$$

2) Perhitungan nilai R_f pada sampel D replikasi 1

$$R_f = \frac{0,1 \text{ cm}}{8 \text{ cm}} = 0,01$$

3) Perhitungan nilai R_f pada sampel D replikasi 2

$$R_f = \frac{0,1 \text{ cm}}{8 \text{ cm}} = 0,01$$

4) Perhitungan nilai R_f pada sampel D replikasi 3

$$R_f = \frac{0,3 \text{ cm}}{8 \text{ cm}} = 0,04$$

5) Perhitungan nilai R_f pada sampel E replikasi 1

$$R_f = \frac{0,3 \text{ cm}}{8 \text{ cm}} = 0,04$$

6) Perhitungan nilai R_f pada sampel E replikasi 2

$$R_f = \frac{0,1 \text{ cm}}{8 \text{ cm}} = 0,01$$

7) Perhitungan nilai R_f pada sampel E replikasi 3

$$R_f = \frac{0,4 \text{ cm}}{8 \text{ cm}} = 0,05$$

Lampiran 4 Gambar alat dan bahan

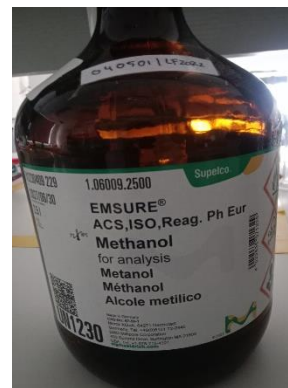
1. Bahan



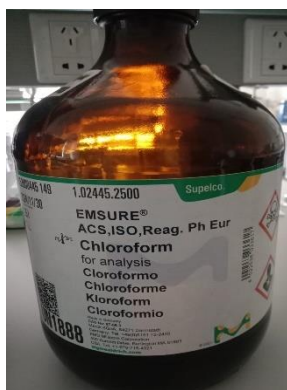
Antimon (III) Klorida



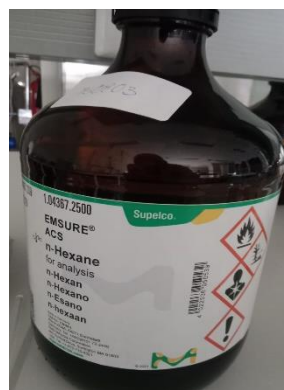
Etanol



Metanol

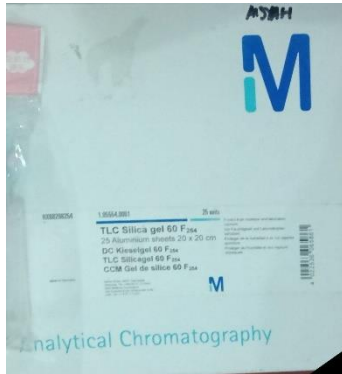


Kloroform

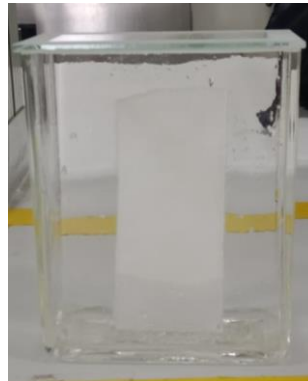


n- Hexan

2. Alat



Lempeng KLT silika gel 60F 254



Bejana KLT



Lampu UV



Sonikator



Oven

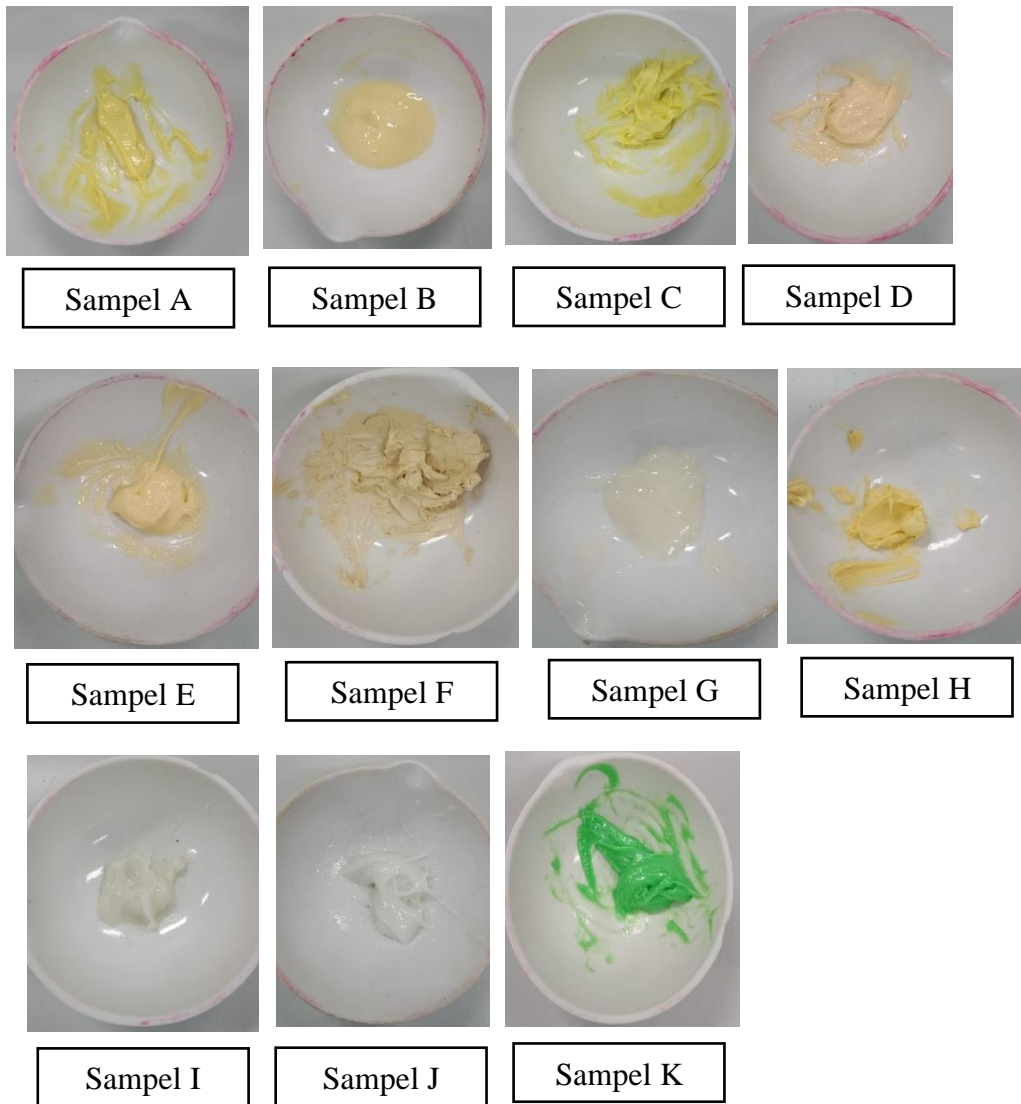


Neraca Analitik

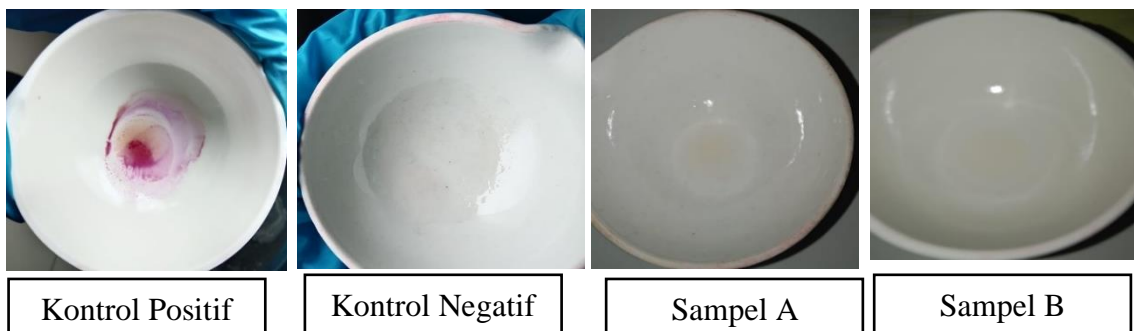


Pipa kapiler

Lampiran 5 Gambar hasil uji organoleptik



Lampiran 6 Gambar hasil uji warna





Sampel C



Sampel D



Sampel E



Sampel F



Sampel G



Sampel H



Sampel I



Sampel J



Sampel K

Lampiran 7 Hasil pengamatan lempeng KLT dibawah sinar UV 254 nm



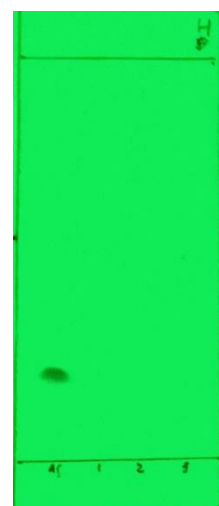
Sampel D



Sampel E



Sampel F



Sampel H