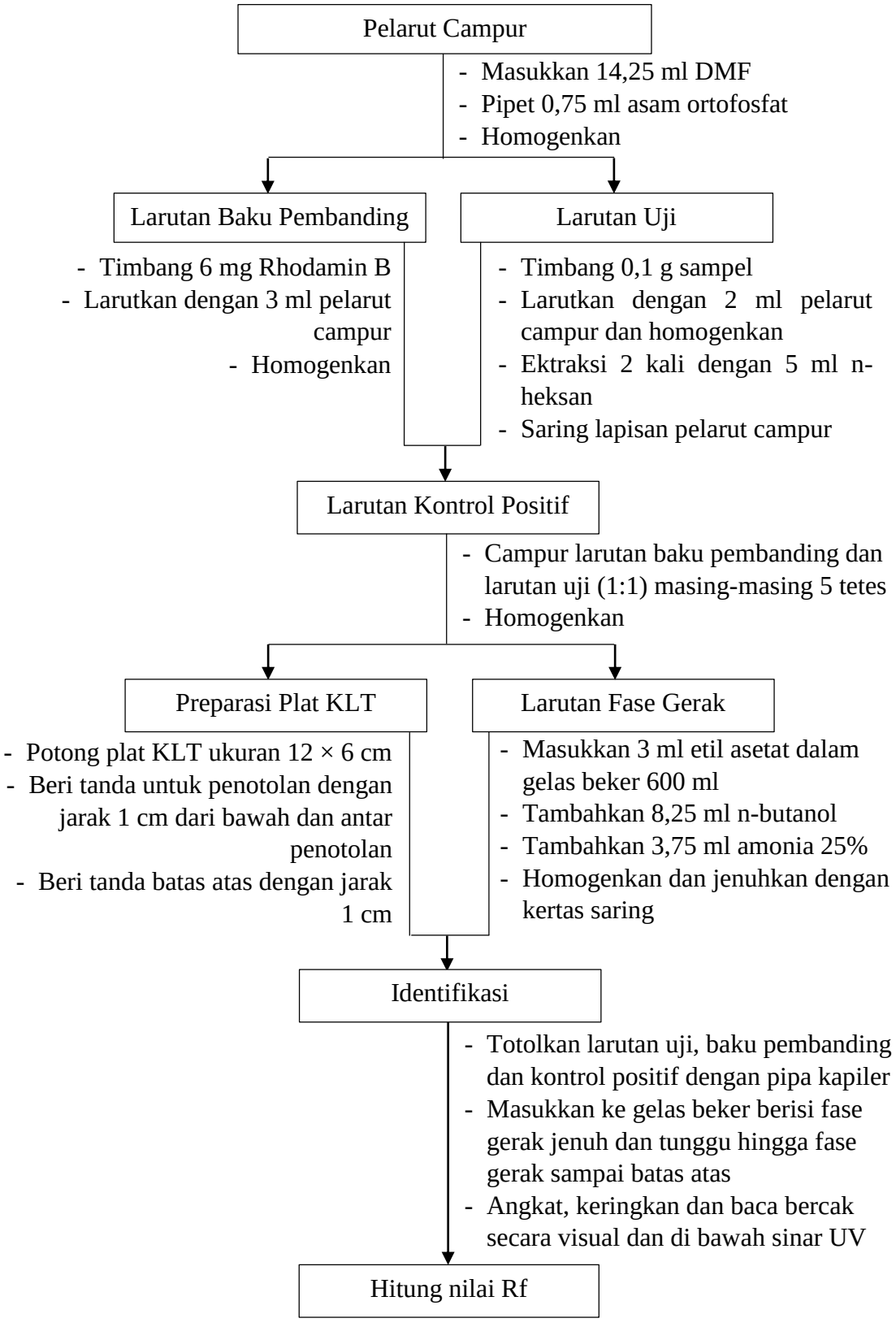
LAMPIRAN

A. Skema Kerja



B. Perhitungan

1. Pelarut campur N,N-dimetilformamida – asam ortofosfat (95:5) v/v sebanyak 15 ml setiap 2 sampel secara triplo

   - $DMF = \frac{Perbandingan\ DMF}{Total\ perbandingan} \times Volume\ larutan$

     $DMF = \frac{95}{95+5} \times 15$

     $DMF = 14{,}25\ ml$

   - $Asam\ ortofosfat = \frac{Perbandingan\ asam\ ortofosfat}{Total\ perbandingan} \times Volume\ larutan$

     $Asam\ ortofosfat = \frac{5}{95+5} \times 15$

     $Asam\ ortofosfat = 0{,}75\ ml$

2. Fase gerak etil asetat – n-butanol – amonia 25% (20:55:25) v/v/v sebanyak 15 ml untuk masing-masing bejana

   - $Etil\ asetat = \frac{Perbandingan\ etil\ asetat}{Total\ perbandingan} \times Volume\ larutan$

     $Etil\ asetat = \frac{20}{20+55+25} \times 15$

     $Etil\ asetat = 3\ ml$

   - $N-butanol = \frac{Perbandingan\ n-butanol}{Total\ perbandingan} \times Volume\ larutan$

     $N-butanol = \frac{55}{20+55+25} \times 15$

     $N-butanol = 8{,}25\ ml$

   - $Amonia\ 25\% = \frac{Perbandingan\ amonia\ 25\%}{Total\ perbandingan} \times Volume\ larutan$

     $Amonia\ 25\% = \frac{25}{20+55+25} \times 15$

     $Amonia\ 25\% = 3{,}75\ ml$

3. Nilai Rf masing-masing sampel, baku pembanding (BP), larutan campur (S)

$$Nilai\ Rf = \frac{jarak\ dari\ garis\ awal\ ke\ pusat\ noda\ (cm)}{jarak\ dari\ garis\ awal\ ke\ garis\ depan\ pelarut\ (cm)}$$

- Sampel A

$$A1 = \frac{6,5}{10} = 0,65$$

$$A2 = \frac{6,3}{10} = 0,63$$

$$A3 = \frac{6,1}{10} = 0,61$$

$$BP = \frac{8,5}{10} = 0,85$$

$$S_1 = \frac{6,5}{10} = 0,65$$

$$S_2 = \frac{8,5}{10} = 0,85$$

- Sampel B

$$B1 = \frac{2,6}{10} = 0,26$$

$$B2 = \frac{2,6}{10} = 0,26$$

$$B3 = \frac{2,6}{10} = 0,26$$

$$BP = \frac{8,5}{10} = 0,85$$

$$S_1 = \frac{2,7}{10} = 0,27$$

$$S_2 = \frac{8,5}{10} = 0,85$$

- Sampel C

$$C1_1 = \frac{3}{10} = 0,3$$

$$C2_1 = \frac{3}{10} = 0,3$$

$$C3_1 = \frac{3}{10} = 0,3$$

$$C1_2 = \frac{6,5}{10} = 0,65$$

$$C2_2 = \frac{6,5}{10} = 0,65$$

$$C3_2 = \frac{6,5}{10} = 0,65$$

$$BP = \frac{8,5}{10} = 0,85$$

$$S_1 = \frac{4}{10} = 0,4$$

$$S_2 = \frac{7,3}{10} = 0,73$$

$$S_3 = \frac{8,5}{10} = 0,85$$

- Sampel D

$$D1_1 = \frac{4,7}{10} = 0,47$$

$$D2_1 = \frac{4,8}{10} = 0,48$$

$$D3_1 = \frac{4,9}{10} = 0,49$$

$$D1_2 = \frac{5,9}{10} = 0,59$$

$$D2_2 = \frac{6}{10} = 0,6$$

$$D3_2 = \frac{6,1}{10} = 0,61$$

$$D1_3 = \frac{7,2}{10} = 0,72$$

$$D2_3 = \frac{7,2}{10} = 0,72$$

$$D3_3 = \frac{7,2}{10} = 0,72$$

$$BP = \frac{8,4}{10} = 0,84$$

$$S_1 = \frac{4,7}{10} = 0,47$$

$$S_2 = \frac{5,9}{10} = 0,59$$

$$S_3 = \frac{7,2}{10} = 0,72$$

$$S_4 = \frac{8,4}{10} = 0,84$$

- Sampel E

$$E1_1 = \frac{4,5}{10} = 0,45$$

$$E2_1 = \frac{5}{10} = 0,5$$

$$E3_1 = \frac{5,3}{10} = 0,53$$

$$E1_2 = \frac{8,5}{10} = 0,85$$

$$E2_2 = \frac{8,5}{10} = 0,85$$

$$E3_2 = \frac{8,5}{10} = 0,85$$

$$BP = \frac{8,5}{10} = 0,85$$

$$S_1 = \frac{4,5}{10} = 0,45$$

$$S_2 = \frac{8,5}{10} = 0,85$$

- Sampel F

$$F1 = \frac{5,1}{10} = 0,51$$

$$F2 = \frac{5,3}{10} = 0,53$$

$$F3 = \frac{5,6}{10} = 0,56$$

$$BP = \frac{8,4}{10} = 0,84$$

$$S_1 = \frac{6}{10} = 0,6$$

$$S_2 = \frac{8,4}{10} = 0,84$$

- Sampel G

$$G1_1 = \frac{7,1}{10} = 0,71$$

$$G2_1 = \frac{7,2}{10} = 0,72$$

$$G3_1 = \frac{7,3}{10} = 0,73$$

$$G1_2 = \frac{8,5}{10} = 0,85$$

$$G2_2 = \frac{8,5}{10} = 0,85$$

$$G3_2 = \frac{8,5}{10} = 0,85$$

$$BP = \frac{8,5}{10} = 0,85$$

$$S_1 = \frac{7,2}{10} = 0,72$$

$$S_2 = \frac{8,5}{10} = 0,85$$

- Sampel H

$$H1_1 = \frac{6,3}{10} = 0,63$$

$$H2_1 = \frac{6,4}{10} = 0,64$$

$$H3_1 = \frac{6,5}{10} = 0,65$$

$$H1_2 = \frac{7,8}{10} = 0,78$$

$$H2_2 = \frac{7,9}{10} = 0,79$$

$$H3_2 = \frac{8}{10} = 0,8$$

$$BP = \frac{8,5}{10} = 0,85$$

$$S_1 = \frac{6,8}{10} = 0,68$$

$$S_2 = \frac{8}{10} = 0,8$$

$$S_3 = \frac{8,5}{10} = 0,85$$

Keterangan :

- Xn : replikasi ke-n sampel uji
- Xn_n : noda ke-n replikasi sampel uji

C. Dokumentasi

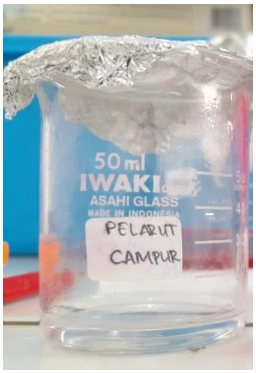
(Sampel lip matte)

(Penimbangan baku pembanding)

(Ekstraksi larutan uji)

(Penimbangan sampel)

(Penyaringan larutan uji)



(Pembuatan pelarut campur)

(Penjenuhan bejana)

(Larutan uji sampel A)

(Larutan uji sampel B)

(Larutan uji sampel C)

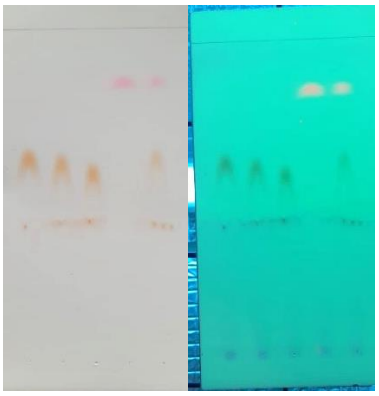
(Larutan uji sampel D)

(Larutan uji sampel E)

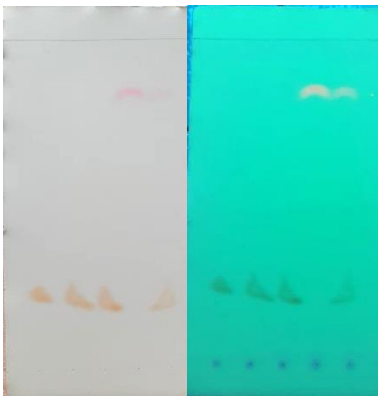
(Larutan uji sampel F)

(Larutan uji sampel G)

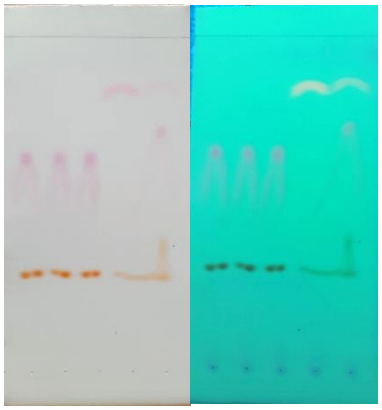
(Larutan uji sampel H)



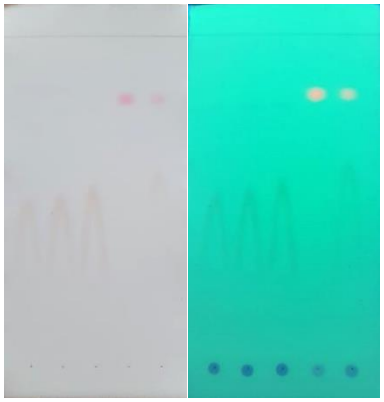
(Hasil KLT sampel A)



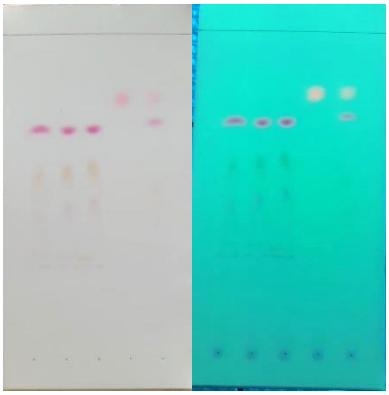
(Hasil KLT sampel B)



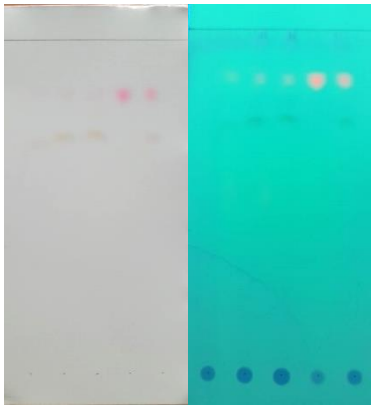
(Hasil KLT sampel C)



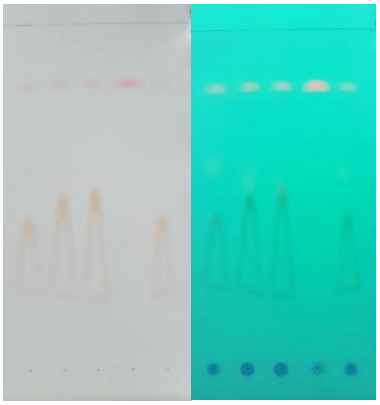
(Hasil KLT sampel F)



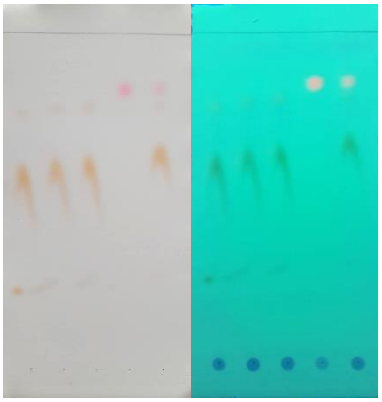
(Hasil KLT sampel D)



(Hasil KLT sampel G)



(Hasil KLT sampel E)



(Hasil KLT sampel H)