LAMPIRAN

1. PERHITUNGAN REAGENSIA

1) Pengenceran Larutan Amonia 25% menjadi 2% dalam Etanol 70% sebanyak 500 ml :

- Volume Amonia = $\frac{500\ ml \times 2\%}{25\%}$ = 40 ml
- Volume Etanol 70% = 500 ml – 40 ml = 460 ml

2) Pengenceran Larutan Asam Asetat 99,6% menjadi 10% sebanyak 250 ml :

- Volume Asam Asetat = $\frac{250\ ml \times 10\%}{99{,}6\%}$ = 25,1 ml
- Volume Aquades = 250 ml – 25,1 ml = 224,9 ml

3) Pengenceran Larutan Amonia 25% menjadi 10% dalam Etanol 70% :

- Volume Amonia = $\frac{100\ ml \times 10\%}{25\%}$ = 40 ml
- Volume Etanol 70% = 100 ml – 40 ml = 60 ml

4) Pembuatan Larutan Baku Induk Standar Rhodamin B 1000 ppm :

M = $\frac{massa}{volume}$

1000 mg/L = $\frac{massa}{0{,}1\ L}$

Massa = 100 mg

5) Pembuatan Larutan Baku Antara Standar Rhodamin B 100 ppm :

M1 × V1 = M2 × V2

100 × V1 = 1000 × 100 ml

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

V1 = 10 ml (dimasukkan kedalam labu ukur 100 ml ad dengan aqudes sampai tanda batas dan homogenkan)

2. PERHITUNGAN ELUEN (N-butanol : Etil asetat : Amonia (10:4:5))

a) N-butanol : $\frac{10}{20}$ × 100 ml = 50 ml

b) Etil Asetat : $\frac{4}{20}$ × 100 ml = 20 ml

c) Ammonia 10% : $\mathbf{\frac{5}{20}}$ **×** 100 ml = 25 ml

3. PERHITUNGAN NILAI RF

- **Sampel 1 :**
  1) S1 (+) = $\frac{4,2}{8}$ = 0,6
  2) S1R1 = $\frac{4,2}{8}$ = 0,6
  3) S1R2 = $\frac{4,2}{8}$ = 0,6
- **Sampel 2 :**
  1) S2 (+) = $\frac{4,3}{8}$ = 0,53
  2) S2R1 = $\frac{4,3}{8}$ = 0,53
  3) S2R2 = $\frac{4,3}{8}$ = 0,53
- **Sampel 3 :**
  1) S3 (+) = $\frac{4,8}{8}$ = 0,6
  2) S3R1 = $\frac{3,9}{8}$ = 0,48
  3) S3R2 = $\frac{3,9}{8}$ = 0,48
- **Sampel 4 :**
  1) S4 (+) = $\frac{4,1}{8}$ = 0,51

2) S4R1 = $\frac{4}{8}$ = 0,5

3) S4R2 = $\frac{3,9}{8}$ = 0,48

- **Sampel 5 :**

1) S5 (+) = $\frac{3,9}{8}$ = 0,48

2) S5R1 = $\frac{3,9}{8}$ = 0,48

3) S5R2 = $\frac{3,9}{8}$ = 0,48

- **Sampel 6 :**

1) S6 (+) = $\frac{5}{8}$ = 0,62

2) S6R1 = $\frac{5}{8}$ = 0,62

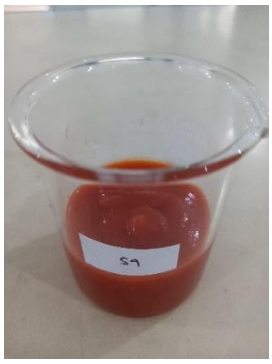
3) S6R2 = $\frac{5}{8}$ = 0,62

LAMPIRAN DOKUMENTASI

Organoleptik S1

Organoleptik S2

Organoleptik S3



Organoleptik S4

Organoleptik S5

Organoleptik S6

Sampel 1

Sampel 2

Sampel 3

Sampel 4

Sampel 5

Sampel 6

Pembuatan benang wol bebas lemak

Proses Maserasi

Waterbath

Eluasi