

## LAMPIRAN

### 1. Perhitungan

#### 1.1 Perhitungan Densitas

- Variabel 1

##### **Menit ke 0**

Berat pikno kosong = 15,80 gr

Berat pikno isi = 41,33 gr

Volume Piknometer = 25 ml

$$\text{Densitas} = \frac{(41,33 - 15,80) \text{ gr}}{25 \text{ ml}}$$

Densitas = 1,0212 gr/ml

##### **Menit ke 5**

Berat pikno kosong = 15,80 gr

Berat pikno isi = 41,32 gr

Volume Piknometer = 25 ml

$$\text{Densitas} = \frac{(41,32 - 15,80) \text{ gr}}{25 \text{ ml}}$$

Densitas = 1,0208 gr/ml

##### **Menit ke 10**

erat pikno kosong = 15,80 gr

Berat pikno isi = 41,30 gr

Volume Piknometer = 25 ml

$$\text{Densitas} = \frac{(41,30 - 15,80) \text{ gr}}{25 \text{ ml}}$$

Densitas = 1,0200 gr/ml

- Variabel 2

##### **Menit ke 0**

Berat pikno kosong = 15,80 gr

Berat pikno isi = 41,29 gr

Volume Piknometer = 25 ml

$$\text{Densitas} = \frac{(41,29 - 15,80) \text{ gr}}{25 \text{ ml}}$$

Densitas = 1,0196 gr/ml

**Menit ke 10**

Berat pikno kosong = 15,80 gr

Berat pikno isi = 41,28 gr

Volume Piknometer = 25 ml

$$\text{Densitas} = \frac{(41,28 - 15,80) \text{ gr}}{25 \text{ ml}}$$

Densitas = 1,0192 gr/ml

**Menit ke 20**

erat pikno kosong = 15,80 gr

Berat pikno isi = 41,25 gr

Volume Piknometer = 25 ml

$$\text{Densitas} = \frac{(41,25 - 15,80) \text{ gr}}{25 \text{ ml}}$$

Densitas = 1,0180 gr/ml

- Variabel 3

**Menit ke 10**

Berat pikno kosong = 15,80 gr

Berat pikno isi = 41,22 gr

Volume Piknometer = 25 ml

$$\text{Densitas} = \frac{(41,22 - 15,80) \text{ gr}}{25 \text{ ml}}$$

Densitas = 1,0168 gr/ml

**Menit ke 20**

Berat pikno kosong = 15,80 gr

Berat pikno isi = 41,14 gr

Volume Piknometer = 25 ml

$$\text{Densitas} = \frac{(41,14 - 15,80) \text{ gr}}{25 \text{ ml}}$$

Densitas = 1,0136 gr/ml

**Menit ke 30**

erat pikno kosong = 15,80 gr

Berat pikno isi = 41,11 gr

Volume Piknometer = 25 ml

$$\text{Densitas} = \frac{(41,11 - 15,80) \text{ gr}}{25 \text{ ml}}$$

Densitas = 1,0124 gr/ml

## 1.2 Perhitungan Viskositas

$$\mu_x = \frac{t_x \cdot d_x}{t_o \cdot d_o} \cdot \mu_o$$

- Variabel 1

### Menit ke 0

$$t_o = 1 \text{ detik}$$

$$d_o = 1 \text{ gr/ml}$$

$$\mu_o = 1 \text{ cp}$$

$$t_x = 1,2 \text{ detik}$$

$$\mu_x = \frac{1,2 \cdot 1,0212}{1 \cdot 1} \cdot 1 \text{ cp}$$

$$\mu_x = 1,123 \text{ cp}$$

### Menit ke 5

$$t_o = 1 \text{ detik}$$

$$d_o = 1 \text{ gr/ml}$$

$$\mu_o = 1 \text{ cp}$$

$$t_x = 1,2 \text{ detik}$$

$$\mu_x = \frac{1,2 \cdot 1,0208}{1 \cdot 1} \cdot 1 \text{ cp}$$

$$\mu_x = 1,225 \text{ cp}$$

### Menit ke 10

$$t_o = 1 \text{ detik}$$

$$d_o = 1 \text{ gr/ml}$$

$$\mu_o = 1 \text{ cp}$$

$$t_x = 1,3 \text{ detik}$$

$$\mu_x = \frac{1,3 \cdot 1,0200}{1 \cdot 1} \cdot 1 \text{ cp}$$

$$\mu_x = 1,326 \text{ cp}$$

- Variabel ke 2

### Menit ke 0

$$t_o = 1 \text{ detik}$$

$$d_o = 1 \text{ gr/ml}$$

$$\mu_o = 1 \text{ cp}$$

$$t_x = 1,2 \text{ detik}$$

$$\mu_x = \frac{1,2 \cdot 1,0196}{1 \cdot 1} \cdot 1 \text{ cp}$$

$$\mu_x = 1,224 \text{ cp}$$

**Menit ke 10**

$$t_o = 1 \text{ detik}$$

$$d_o = 1 \text{ gr/ml}$$

$$\mu_o = 1 \text{ cp}$$

$$t_x = 1,3 \text{ detik}$$

$$\mu_x = \frac{1,3 \cdot 1,0192}{1 \cdot 1} \cdot 1 \text{ cp}$$

$$\mu_x = 1,325 \text{ cp}$$

**Menit ke 20**

$$t_o = 1 \text{ detik}$$

$$d_o = 1 \text{ gr/ml}$$

$$\mu_o = 1 \text{ cp}$$

$$t_x = 1,4 \text{ detik}$$

$$\mu_x = \frac{1,4 \cdot 1,0180}{1 \cdot 1} \cdot 1 \text{ cp}$$

$$\mu_x = 1,425 \text{ cp}$$

- Variabel ke 3

**Menit ke 10**

$$t_o = 1 \text{ detik}$$

$$d_o = 1 \text{ gr/ml}$$

$$\mu_o = 1 \text{ cp}$$

$$t_x = 1,3 \text{ detik}$$

$$\mu_x = \frac{1,3 \cdot 1,0168}{1 \cdot 1} \cdot 1 \text{ cp}$$

$$\mu_x = 1,322 \text{ cp}$$

**Menit ke 20**

$$t_o = 1 \text{ detik}$$

$$d_o = 1 \text{ gr/ml}$$

$$\mu_o = 1 \text{ cp}$$

$$t_x = 1,4 \text{ detik}$$

$$\mu_x = \frac{1,4 \cdot 1,0136}{1 \cdot 1} \cdot 1 \text{ cp}$$

$$\mu_x = 1,419 \text{ cp}$$

**Menit ke 30**

$$t_0 = 1 \text{ detik}$$

$$d_0 = 1 \text{ gr/ml}$$



$$\mu_0 = 1 \text{ cp}$$

$$t_x = 1,5 \text{ detik}$$

$$\mu_x = \frac{1,5 \cdot 1,0124}{1 \cdot 1} \cdot 1 \text{ cp}$$

$$\mu_x = 1,519 \text{ cp}$$

**2. Foto Praktikum**

<b>Keterangan</b>	<b>Foto</b>
Proses Evaporasi	 A person wearing a white lab coat and a grey hijab is operating a piece of industrial equipment, likely an evaporator. The person is holding a blue funnel and a glass container, pouring liquid into the machine. The machine is green and has a control panel with several buttons and lights. The setting appears to be a laboratory or a small-scale industrial facility.
Hasil Evaporasi Ekstrak Daun Stevia	 A close-up photograph of a glass container, possibly a beaker or a small bottle, filled with a dark, viscous liquid. The liquid has a thick, syrupy consistency and a dark brown or black color. The container is placed on a light-colored surface, and the background is slightly blurred.

