LAMPIRAN

Lampiran 1. Perhitungan Densitas

$$\boldsymbol{\rho = \frac{\text{piknometer berisi produk} - \text{piknometer kosong}}{\text{volume piknometer}}}$$

Dimana:

Berat piknometer kosong = 15,80 gram

Volume piknometer = 25 ml

1. Suhu 55^{o}C
   - Menit ke-0

     $\rho = \frac{41{,}35\ gr - 15{,}80\ gr}{25\ ml}$

     $\rho = 1{,}0220\ \text{gr/ml}$
   - Menit ke-10

     $\rho = \frac{41{,}38\ gr - 15{,}80\ gr}{25\ ml}$

     $\rho = 1{,}0232\ \text{gr/ml}$
   - Menit ke-20

     $\rho = \frac{41{,}40\ gr - 15{,}80\ gr}{25\ ml}$

     $\rho = 1{,}0243\ \text{gr/ml}$
2. Suhu 60^{o}C
   - Menit ke-0

     $\rho = \frac{41{,}35\ gr - 15{,}80\ gr}{25\ ml}$

     $\rho = 1{,}0220\ \text{gr/ml}$
   - Menit ke-10

     $\rho = \frac{41{,}41\ gr - 15{,}80\ gr}{25\ ml}$

     $\rho = 1{,}0244\ \text{gr/ml}$

- Menit ke-20

$$\rho = \frac{41{,}44\ gr - 15{,}80\ gr}{25\ ml}$$

$$\rho = 1{,}0256\ \text{gr/ml}$$

3. Suhu 65^{o}C

- Menit ke-0

$$\rho = \frac{41{,}35\ gr - 15{,}80\ gr}{25\ ml}$$

$$\rho = 1{,}0220\ \text{gr/ml}$$

- Menit ke-10

$$\rho = \frac{41{,}37\ gr - 15{,}80\ gr}{25\ ml}$$

$$\rho = 1{,}0228\ \text{gr/ml}$$

- Menit ke-20

$$\rho = \frac{41{,}38\ gr - 15{,}80\ gr}{25\ ml}$$

$$\rho = 1{,}0232\ \text{gr/ml}$$

Lampiran 2. Perhitungan Viskositas

$$\boldsymbol{\mu = \frac{tx\ .\ dx}{to\ .\ do}\ .\ \mu o}$$

Dimana:

tx = Waktu produk

dx = Densitas produk

to = Waktu air

do = Densitas air

1. Suhu 55^{o}C

- Menit ke-0

$$\mu = \frac{0{,}88\ .\ 1{,}0220\ gr/ml}{1\ .\ 1\ gr/ml}\ .\ 1\ \text{Cp}$$

$$\mu = 0{,}8994\ \text{Cp}$$

- Menit ke-10

$$\mu = \frac{0{,}91\ .\ 1{,}0232\ gr/ml}{1\ .\ 1\ gr/ml}\ .\ 1\ \text{Cp}$$

$$\mu = 0{,}9311\ \text{Cp}$$

- Menit ke-20

$$\mu = \frac{1{,}05\ .\ 1{,}0243\ gr/ml}{1\ .\ 1\ gr/ml}\ .\ 1\ \text{Cp}$$

$$\mu = 1{,}0755\ \text{Cp}$$

2. Suhu 60^{o}C
   - Menit ke-0

$$\mu = \frac{0{,}88\ .\ 1{,}0220\ gr/ml}{1\ .\ 1\ gr/ml}\ .\ 1\ \text{Cp}$$

$$\mu = 0{,}8994\ \text{Cp}$$

   - Menit ke-10

$$\mu = \frac{0{,}93\ .\ 1{,}0244\ gr/ml}{1\ .\ 1\ gr/ml}\ .\ 1\ \text{Cp}$$

$$\mu = 0{,}9527\ \text{Cp}$$

   - Menit ke-20

$$\mu = \frac{1{,}05\ .\ 1{,}0256\ gr/ml}{1\ .\ 1\ gr/ml}\ .\ 1\ \text{Cp}$$

$$\mu = 1{,}0769\ \text{Cp}$$

3. Suhu 65^{o}C
   - Menit ke-0

$$\mu = \frac{0{,}88\ .\ 1{,}0220\ gr/ml}{1\ .\ 1\ gr/ml}\ .\ 1\ \text{Cp}$$

$$\mu = 0{,}8994\ \text{Cp}$$

   - Menit ke-10

$$\mu = \frac{0{,}90\ .\ 1{,}0228\ gr/ml}{1\ .\ 1\ gr/ml}\ .\ 1\ \text{Cp}$$

$$\mu = 0{,}9205\ \text{Cp}$$

- Menit ke-20

$$\mu = \frac{1{,}03\ .\ 1{,}0232\ gr/ml}{1\ .\ 1\ gr/ml}\ .\ 1\ \text{Cp}$$

$$\mu = 1{,}0539\ \text{Cp}$$

Lampiran 3. Foto Praktikum

Keterangan	Foto
Ekstraksi	
Evaporasi	

Variabel	Foto
1. Suhu 55^{o}C	
• Menit ke-0	
• Menit ke-10	
• Menit ke-20	
2. Suhu 60^{o}C	
• Menit ke-0	
• Menit ke-10	

- Menit ke-20

3. Suhu 65^{o}C
   - Menit ke-0

   - Menit ke-10

   - Menit ke-20