

LAMPIRAN

1. Tabel Hasil Pengamatan Volume Filtrat

Variabel			Pengamatan	Valve pengambilan filtrate (mL)				
Waktu (menit)	Air	Massa (gr)	Waktu (menit)	I	II	III	IV	V
60	40 L	1000 gr	10	570	505	483	425	400
			20	552	498	479	415	395
			30	525	480	455	410	380
60	40 L	1500 gr	10	573	514	490	439	420
			20	569	502	484	425	400
			30	530	489	460	419	385

2. Tabel Hasil Pengamatan Berat Cake Basah dan Cake kering

Variabel			Pengamatan	Berat Cake Basah (gr)			
Waktu (menit)	Air	Massa (gr)	Waktu (menit)	I	II	III	IV
60	40 L	1000 gr	10	9,88	5,25	3,89	2,15
			20	15,24	13,34	10,98	8,13
			30	16,96	14,78	11,12	9,19
60	40 L	1500 gr	10	12,23	10,98	9,23	7,82
			20	16,25	13,42	12,90	9,92
			30	19,30	17,89	14,20	10,92

Waktu (menit)	Variabel		Pengamatan	Berat Cake Kering			
	Air	Massa (gr)	Waktu (menit)	I	II	III	IV
60	40 L	1000 gr	10	7,28	4,21	2,70	1,02
			20	13,39	11,29	8,58	7,09
			30	15,46	13,28	10,22	8,48
60	40 L	1500 gr	10	10,99	9,21	8,72	6,52
			20	14,75	12,14	11,82	8,29
			30	17,21	16,30	13,21	8,98

3. Perhitungan Berat Cake Basah

3.1. Berat Cake Basah Variabel I waktu pengambilan 10 menit

Berat Basah = (Berat cawan porselin + cake basah) – Berat cawan porselin kosong

a) Plate I

$$\begin{aligned} \text{Berat Cake Basah} &= 48,48 \text{ gram} - 38,60 \text{ gram} \\ &= 9,88 \text{ gram} \end{aligned}$$

b) Plate II

$$\begin{aligned} \text{Berat Cake Basah} &= 54,16 \text{ gram} - 48,91 \text{ gram} \\ &= 5,25 \text{ gram} \end{aligned}$$

c) Plate III

$$\begin{aligned} \text{Berat Cake Basah} &= 47,46 \text{ gram} - 43,48 \text{ gram} \\ &= 3,98 \text{ gram} \end{aligned}$$

d) Plate IV

$$\begin{aligned} \text{Berat Cake Basah} &= 53,23 \text{ gram} - 51,08 \text{ gram} \\ &= 2,15 \text{ gram} \end{aligned}$$

3.2. Berat Cake Basah Variabel I waktu pengambilan 20 menit

Berat Basah = (Berat cawan porselin + cake basah) – Berat cawan porselin kosong

a) Plate I

$$\begin{aligned}\text{Berat Cake Basah} &= 60,07 \text{ gram} - 44,83 \text{ gram} \\ &= 15,24 \text{ gram}\end{aligned}$$

b) Plate II

$$\begin{aligned}\text{Berat Cake Basah} &= 60,54 \text{ gram} - 47,20 \text{ gram} \\ &= 13,34 \text{ gram}\end{aligned}$$

c) Plate III

$$\begin{aligned}\text{Berat Cake Basah} &= 42,56 \text{ gram} - 31,58 \text{ gram} \\ &= 10,98 \text{ gram}\end{aligned}$$

d) Plate IV

$$\begin{aligned}\text{Berat Cake Basah} &= 47,16 \text{ gram} - 39,03 \text{ gram} \\ &= 8,13 \text{ gram}\end{aligned}$$

3.3. Berat Cake Basah Variabel I waktu pengambilan 30 menit

Berat Basah = (Berat cawan porselin + cake basah) – Berat cawan porselin kosong

a) Plate I

$$\begin{aligned}\text{Berat Cake Basah} &= 60,72 \text{ gram} - 43,76 \text{ gram} \\ &= 16,96 \text{ gram}\end{aligned}$$

b) Plate II

$$\begin{aligned}\text{Berat Cake Basah} &= 59,25 \text{ gram} - 44,47 \text{ gram} \\ &= 14,78 \text{ gram}\end{aligned}$$

c) Plate III

$$\begin{aligned}\text{Berat Cake Basah} &= 61,92 \text{ gram} - 50,80 \text{ gram} \\ &= 11,12 \text{ gram}\end{aligned}$$

d) Plate IV

$$\begin{aligned}\text{Berat Cake Basah} &= 53,03 \text{ gram} - 43,84 \text{ gram} \\ &= 9,19 \text{ gram}\end{aligned}$$

3.4. Berat Cake Basah Variabel II waktu pengambilan 10 menit

Berat Basah = (Berat cawan porselin + cake basah) – Berat cawan porselin kosong

a) Plate I

$$\begin{aligned}\text{Berat Cake Basah} &= 50,83 \text{ gram} - 38,60 \text{ gram} \\ &= 12,23 \text{ gram}\end{aligned}$$

b) Plate II

$$\begin{aligned}\text{Berat Cake Basah} &= 59,89 \text{ gram} - 48,91 \text{ gram} \\ &= 10,98 \text{ gram}\end{aligned}$$

c) Plate III

$$\begin{aligned}\text{Berat Cake Basah} &= 52,71 \text{ gram} - 43,48 \text{ gram} \\ &= 9,23 \text{ gram}\end{aligned}$$

d) Plate IV

$$\begin{aligned}\text{Berat Cake Basah} &= 58,90 \text{ gram} - 51,08 \text{ gram} \\ &= 7,82 \text{ gram}\end{aligned}$$

3.5. Berat Cake Basah Variabel II waktu pengambilan 20 menit

Berat Basah = (Berat cawan porselin + cake basah) – Berat cawan porselin kosong

a) Plate I

$$\begin{aligned}\text{Berat Cake Basah} &= 61,08 \text{ gram} - 44,83 \text{ gram} \\ &= 16,25 \text{ gram}\end{aligned}$$

b) Plate II

$$\begin{aligned}\text{Berat Cake Basah} &= 60,62 \text{ gram} - 47,20 \text{ gram} \\ &= 13,42 \text{ gram}\end{aligned}$$

c) Plate III

$$\begin{aligned}\text{Berat Cake Basah} &= 44,48 \text{ gram} - 31,58 \text{ gram} \\ &= 12,90 \text{ gram}\end{aligned}$$

d) Plate IV

$$\begin{aligned}\text{Berat Cake Basah} &= 48,95 \text{ gram} - 39,03 \text{ gram} \\ &= 9,92 \text{ gram}\end{aligned}$$

3.6. Berat Cake Basah Variabel II waktu pengambilan 30 menit

$$\text{Berat Basah} = (\text{Berat cawan porselin} + \text{cake basah}) - \text{Berat cawan porselin kosong}$$

a) Plate I

$$\begin{aligned}\text{Berat Cake Basah} &= 50,88 \text{ gram} - 31,58 \text{ gram} \\ &= 19,30 \text{ gram}\end{aligned}$$

b) Plate II

$$\begin{aligned}\text{Berat Cake Basah} &= 68,69 \text{ gram} - 50,80 \text{ gram} \\ &= 17,89 \text{ gram}\end{aligned}$$

c) Plate III

$$\begin{aligned}\text{Berat Cake Basah} &= 57,96 \text{ gram} - 43,76 \text{ gram} \\ &= 14,20 \text{ gram}\end{aligned}$$

d) Plate IV

$$\begin{aligned}\text{Berat Cake Basah} &= 54,76 \text{ gram} - 43,84 \text{ gram} \\ &= 10,92 \text{ gram}\end{aligned}$$

4. Perhitungan Berat Cake Kering

4.1. Berat Cake Kering Variabel I waktu pengambilan 10 menit

$$\text{Berat Kering} = (\text{Berat cawan porselin} + \text{cake kering}) - \text{Berat cawan porselin kosong}$$

a) Plate I

$$\begin{aligned}\text{Berat Cake Kering} &= 45,88 \text{ gram} - 38,60 \text{ gram} \\ &= 7,28 \text{ gram}\end{aligned}$$

b) Plate II

$$\begin{aligned}\text{Berat Cake Kering} &= 53,12 \text{ gram} - 48,91 \text{ gram} \\ &= 4,21 \text{ gram}\end{aligned}$$

c) Plate III

$$\begin{aligned}\text{Berat Cake Kering} &= 46,18 \text{ gram} - 43,48 \text{ gram} \\ &= 2,70 \text{ gram}\end{aligned}$$

d) Plate IV

$$\begin{aligned}\text{Berat Cake Kering} &= 52,10 \text{ gram} - 51,08 \text{ gram} \\ &= 1,02 \text{ gram}\end{aligned}$$

4.2. Berat Cake Kering Variabel I waktu pengambilan 20 menit

Berat Kering = (Berat cawan porselin + cake kering) – Berat cawan porselin kosong

a) Plate I

$$\begin{aligned}\text{Berat Cake Kering} &= 58,22 \text{ gram} - 44,83 \text{ gram} \\ &= 13,39 \text{ gram}\end{aligned}$$

b) Plate II

$$\begin{aligned}\text{Berat Cake Kering} &= 58,49 \text{ gram} - 47,20 \text{ gram} \\ &= 11,29 \text{ gram}\end{aligned}$$

c) Plate III

$$\begin{aligned}\text{Berat Cake Kering} &= 40,16 \text{ gram} - 31,58 \text{ gram} \\ &= 8,58 \text{ gram}\end{aligned}$$

d) Plate IV

$$\begin{aligned}\text{Berat Cake Kering} &= 47,12 \text{ gram} - 39,03 \text{ gram} \\ &= 8,09 \text{ gram}\end{aligned}$$

4.3. Berat Cake Kering Variabel I waktu pengambilan 30 menit

Berat Kering = (Berat cawan porselin + cake kering) – Berat cawan porselin kosong

a) Plate I

$$\begin{aligned}\text{Berat Cake Kering} &= 59,22 \text{ gram} - 43,76 \text{ gram} \\ &= 15,46 \text{ gram}\end{aligned}$$

b) Plate II

$$\begin{aligned}\text{Berat Cake Kering} &= 57,75 \text{ gram} - 44,47 \text{ gram} \\ &= 13,28 \text{ gram}\end{aligned}$$

c) Plate III

$$\begin{aligned}\text{Berat Cake Kering} &= 61,02 \text{ gram} - 50,80 \text{ gram} \\ &= 10,22 \text{ gram}\end{aligned}$$

d) Plate IV

$$\begin{aligned}\text{Berat Cake Kering} &= 52,32 \text{ gram} - 43,84 \text{ gram} \\ &= 8,48 \text{ gram}\end{aligned}$$

4.4. Berat Cake Kering Variabel II waktu pengambilan 10 menit

Berat Kering = (Berat cawan porselin + cake kering) – Berat cawan porselin kosong

a) Plate I

$$\begin{aligned}\text{Berat Cake Kering} &= 49,59 \text{ gram} - 38,60 \text{ gram} \\ &= 10,99 \text{ gram}\end{aligned}$$

b) Plate II

$$\begin{aligned}\text{Berat Cake Kering} &= 58,21 \text{ gram} - 48,91 \text{ gram} \\ &= 9,21 \text{ gram}\end{aligned}$$

c) Plate III

$$\begin{aligned}\text{Berat Cake Kering} &= 52,20 \text{ gram} - 43,48 \text{ gram} \\ &= 8,72 \text{ gram}\end{aligned}$$

d) Plate IV

$$\begin{aligned}\text{Berat Cake Kering} &= 57,60 \text{ gram} - 51,08 \text{ gram} \\ &= 6,52 \text{ gram}\end{aligned}$$

4.5. Berat Cake Kering Variabel II waktu pengambilan 20 menit

Berat Kering = (Berat cawan porselin + cake kering) – Berat cawan porselin kosong

a) Plate I

$$\begin{aligned}\text{Berat Cake Kering} &= 59,58 \text{ gram} - 44,83 \text{ gram} \\ &= 14,75 \text{ gram}\end{aligned}$$

b) Plate II

$$\begin{aligned}\text{Berat Cake Kering} &= 59,34 \text{ gram} - 47,20 \text{ gram} \\ &= 12,14 \text{ gram}\end{aligned}$$

c) Plate III

$$\begin{aligned}\text{Berat Cake Kering} &= 43,40 \text{ gram} - 31,58 \text{ gram} \\ &= 11,82 \text{ gram}\end{aligned}$$

d) Plate IV

$$\begin{aligned}\text{Berat Cake Kering} &= 47,32 \text{ gram} - 39,03 \text{ gram} \\ &= 8,29 \text{ gram}\end{aligned}$$

4.6. Berat Cake Kering Variabel II waktu pengambilan 30 menit

Berat Kering = (Berat cawan porselin + cake kering) – Berat cawan porselin kosong

a) Plate I

$$\begin{aligned}\text{Berat Cake Kering} &= 48,79 \text{ gram} - 31,58 \text{ gram} \\ &= 17,21 \text{ gram}\end{aligned}$$

b) Plate II

$$\begin{aligned}\text{Berat Cake Kering} &= 67,10 \text{ gram} - 50,80 \text{ gram} \\ &= 16,30 \text{ gram}\end{aligned}$$

c) Plate III

$$\begin{aligned}\text{Berat Cake Kering} &= 56,97 \text{ gram} - 43,76 \text{ gram} \\ &= 13,21 \text{ gram}\end{aligned}$$

d) Plate IV

$$\begin{aligned}\text{Berat Cake Kering} &= 52,82 \text{ gram} - 43,84 \text{ gram} \\ &= 8,98 \text{ gram}\end{aligned}$$

5. Foto praktikum

Foto	Keterangan
	Bahan Praktikum Tepung Cassava
	Hasil filtrat dari Filtrasi
	Hasil Cake Basah
	Hasil Cake kering