

Lampiran

1. Hasil Pengamatan

Hasil Pengamatan Volume Filtrat Pada Variabel 1

percobaan (waktu ke-)	volume filtrate			
	i	ii	iii	Iv
10 menit	476.92	476.55	476.19	475.83
20 menit	475.47	475.83	476.01	477.83
30 menit	477.46	475.83	476.01	475.29
40 menit	476.74	476.37	474.38	474.02
50 menit	477.46	476.92	475.83	473.31

Hasil Pengamatan Berat Cake Pada Variabel 1

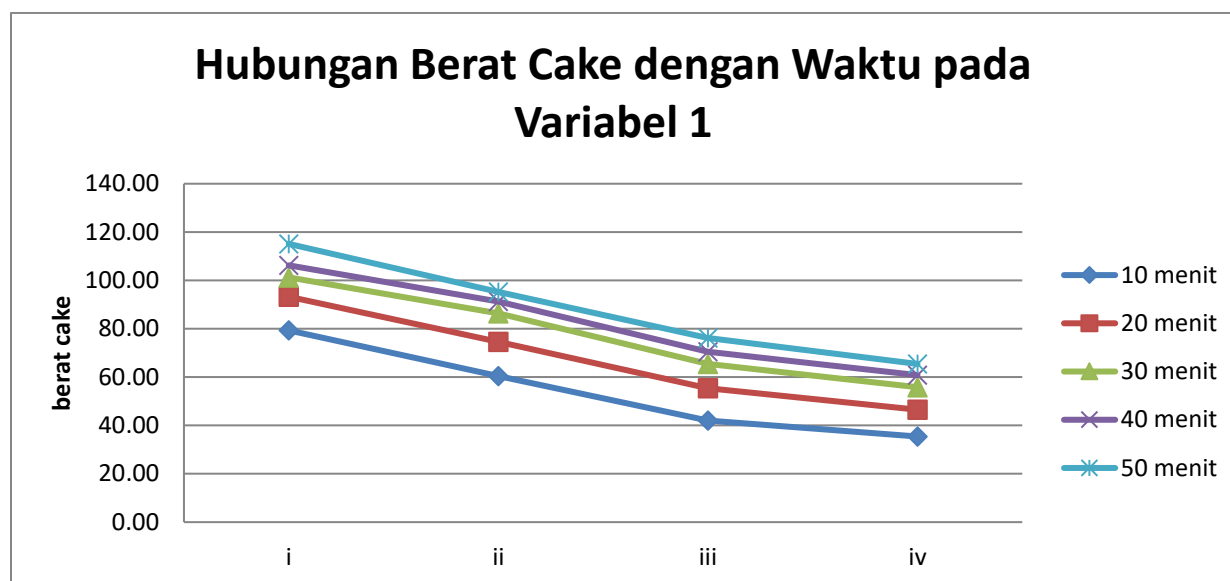
frame ke -	berat cake kering (gr)				
	10 menit	20 menit	30 menit	40 menit	50 menit
i	79.33	93.26	101.24	106.24	115.11
ii	60.43	74.56	86.31	91.31	95.24
iii	42.01	55.35	65.47	70.47	76.24
iv	35.42	46.51	55.82	60.82	65.44

Hasil Pengamatan Volume Filtrat Pada Variabel 2

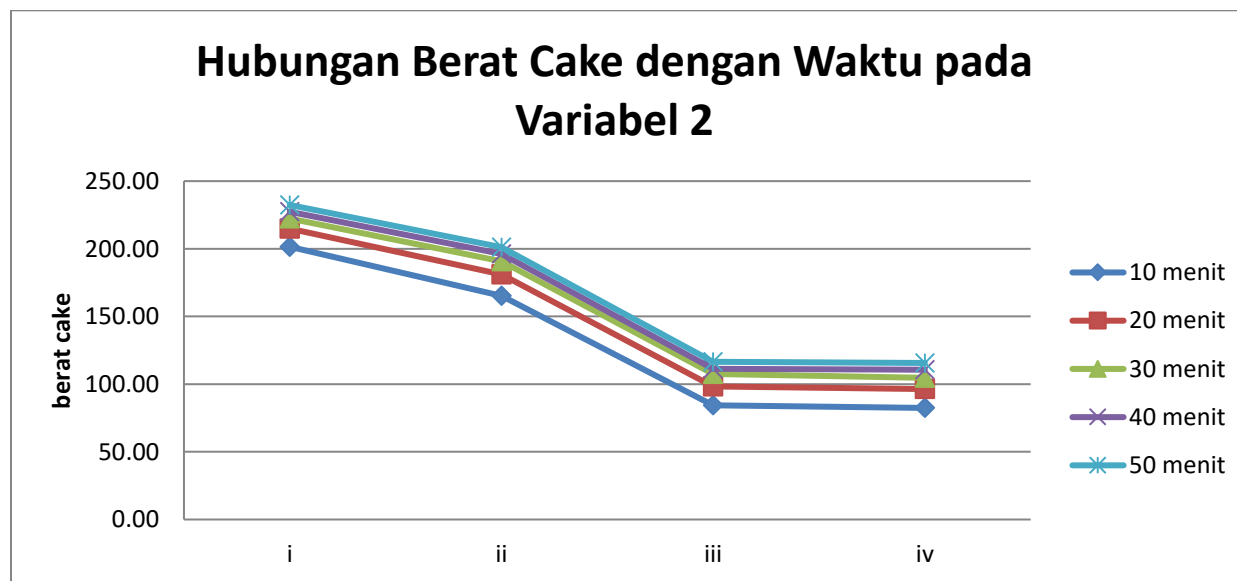
percobaan (waktu ke-)	volume filtrate			
	i	ii	iii	Iv
10 menit	476.01	474.92	473.66	473.31
20 menit	476.19	473.48	473.31	472.95
30 menit	476.01	474.02	474.02	473.48
40 menit	476.01	475.47	475.29	474.56
50 menit	476.19	474.56	473.31	472.77

Hasil Pengamatan Berat Cake Pada Variabel 2

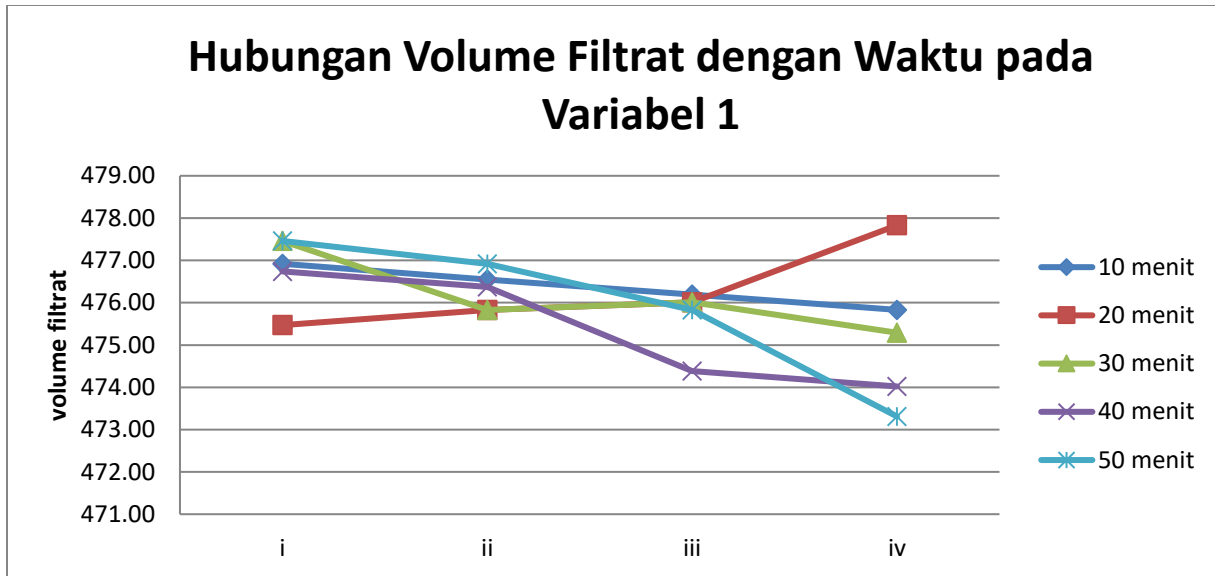
filtrat ke -	berat cake kering (gr)				
	10 menit	20 menit	30 menit	40 menit	50 menit
i	201.46	214.89	222.36	227.36	232.36
ii	165.33	181.06	190.86	196.23	201.23
iii	84.47	98.42	107.55	111.43	116.43
iv	82.44	96.39	104.68	110.66	115.66



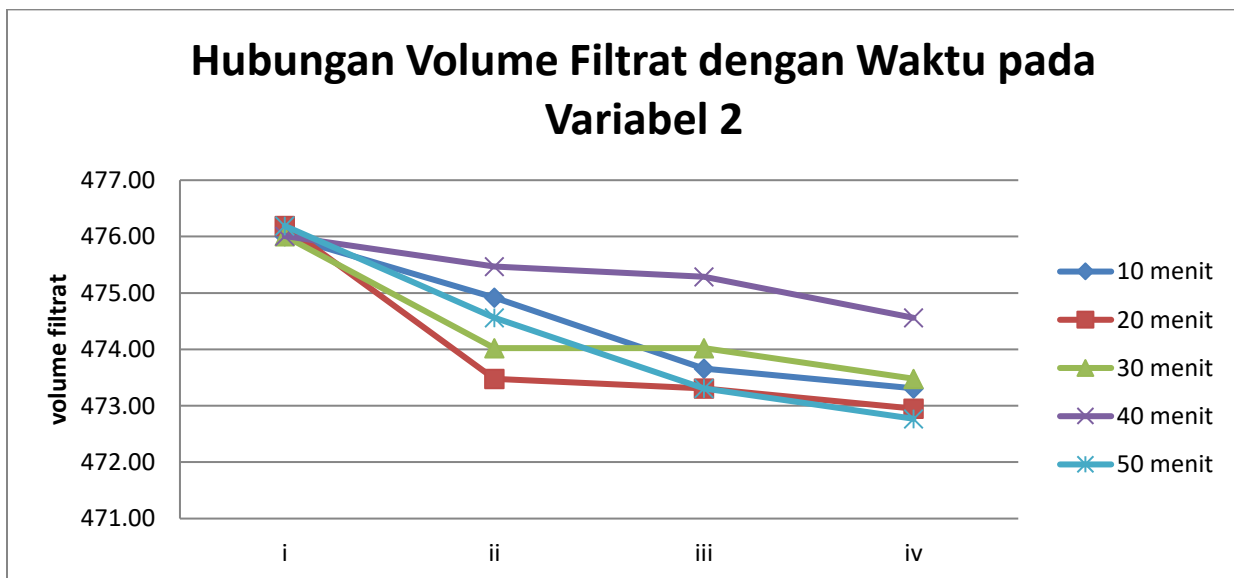
Grafik hubungan berat cake kering dengan waktu pada variabel 1



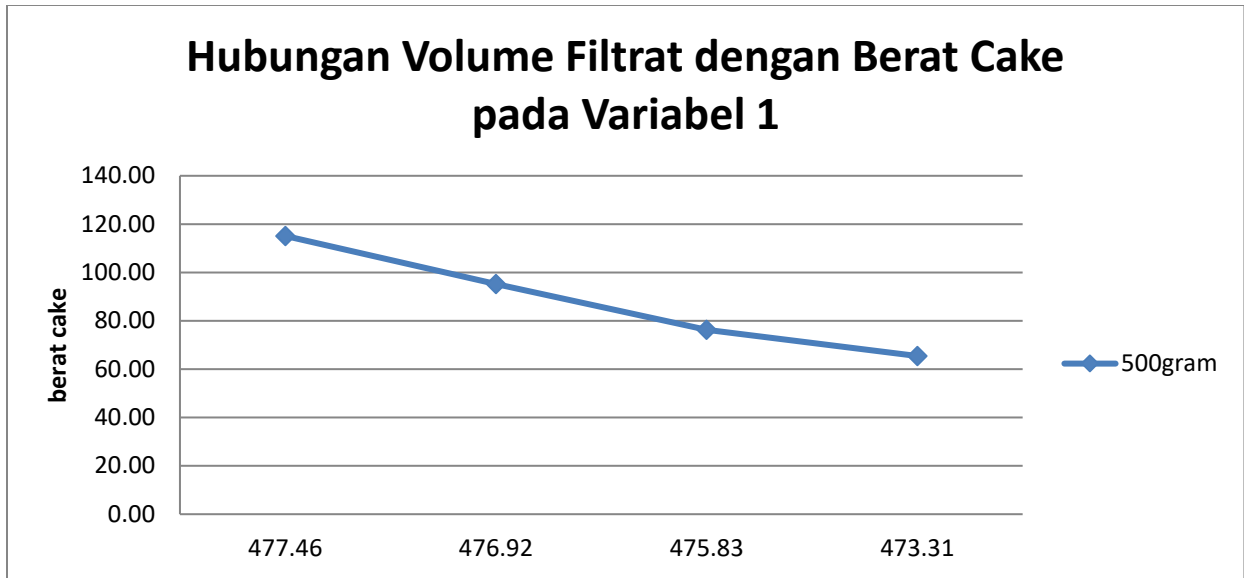
Grafik hubungan berat cake kering dengan waktu pada variabel 2



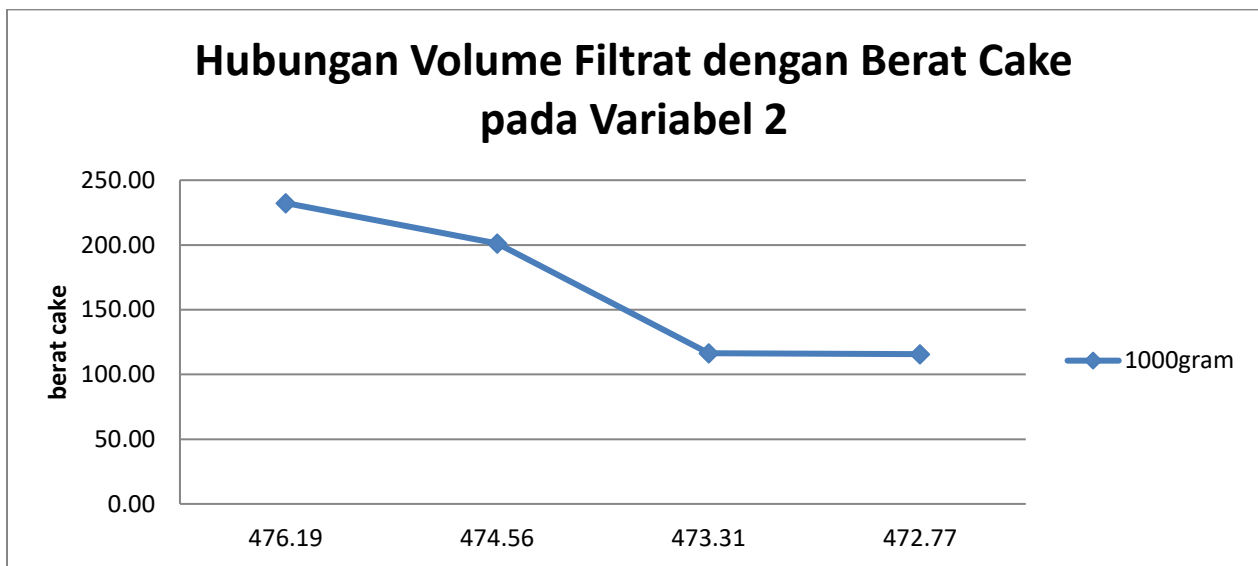
Grafik hubungan volume filtrate dengan waktu pada variabel 1



Grafik hubungan volume filtrate dengan waktu pada variabel 2



Grafik hubungan volume filtrate dengan berat cake pada variabel 1



Grafik hubungan volume filtrate dengan berat cake pada variabel 2

2. Perhitungan

percobaan (waktu ke-)	volume filtrat			
	i	ii	iii	iv
10 menit	1.0484	1.0492	1.0500	1.0508
20 menit	1.0516	1.0508	1.0504	1.0464
30 menit	1.0472	1.0508	1.0504	1.0520
40 menit	1.0488	1.0496	1.0540	1.0548
50 menit	1.0472	1.0484	1.0508	1.0564

$$m = \rho \cdot v$$

a) 10 menit

- Plate 1

$$500 \text{ gr} = 1.0484 \text{ gr/ml} \times V$$

$$V = \frac{500 \text{ gr}}{1.0484 \text{ gr/ml}}$$

$$= 476.92 \text{ ml}$$

- Plate 2

$$500 \text{ gr} = 1.0492 \text{ gr/ml} \times V$$

$$V = \frac{500 \text{ gr}}{1.0492 \text{ gr/ml}}$$

$$= 476.55 \text{ ml}$$

- Plate 3

$$500 \text{ gr} = 1.05 \text{ gr/ml} \times V$$

$$V = \frac{500 \text{ gr}}{1.05 \text{ gr/ml}}$$

$$= 476.19 \text{ ml}$$

- Plate 4

$$500 \text{ gr} = 1.0508 \text{ gr/ml} \times V$$

$$V = \frac{500 \text{ gr}}{1.0508 \text{ gr/ml}}$$

$$= 475.83 \text{ ml}$$

b) 20 menit

- Plate 1

$$500 \text{ gr} = 1.0516 \text{ gr/ml} \times V$$

$$V = \frac{500 \text{ gr}}{1.0516 \text{ gr/ml}}$$
$$= 475.47 \text{ ml}$$

- Plate 2

$$500 \text{ gr} = 1.0508 \text{ gr/ml} \times V$$

$$V = \frac{500 \text{ gr}}{1.0508 \text{ gr/ml}}$$
$$= 475.83 \text{ ml}$$

- Plate 3

$$500 \text{ gr} = 1.0504 \text{ gr/ml} \times V$$

$$V = \frac{500 \text{ gr}}{1.0504 \text{ gr/ml}}$$
$$= 476.01 \text{ ml}$$

- Plate 4

$$500 \text{ gr} = 1.0464 \text{ gr/ml} \times V$$

$$V = \frac{500 \text{ gr}}{1.0464 \text{ gr/ml}}$$
$$= 477.83 \text{ ml}$$

c) 30 menit

- Plate 1

$$500 \text{ gr} = 1.0472 \text{ gr/ml} \times V$$

$$V = \frac{500 \text{ gr}}{1.0472 \text{ gr/ml}}$$
$$= 477.46 \text{ ml}$$

- Plate 2

$$500 \text{ gr} = 1.0508 \text{ gr/ml} \times V$$

$$V = \frac{500 \text{ gr}}{1.0508 \text{ gr/ml}}$$
$$= 475.83 \text{ ml}$$

- Plate 3

$$500 \text{ gr} = 1.0504 \text{ gr/ml} \times V$$

$$V = \frac{500 \text{ gr}}{1.0504 \text{ gr/ml}}$$

$$= 476.01 \text{ ml}$$

- Plate 4

$$500 \text{ gr} = 1.0520 \text{ gr/ml} \times V$$

$$V = \frac{500 \text{ gr}}{1.0520 \text{ gr/ml}}$$

$$= 475.29 \text{ ml}$$

d) 40 menit

- Plate 1

$$500 \text{ gr} = 1.0488 \text{ gr/ml} \times V$$

$$V = \frac{500 \text{ gr}}{1.0488 \text{ gr/ml}}$$

$$= 476.74 \text{ ml}$$

- Plate 2

$$500 \text{ gr} = 1.0496 \text{ gr/ml} \times V$$

$$V = \frac{500 \text{ gr}}{1.0496 \text{ gr/ml}}$$

$$= 476.37 \text{ ml}$$

- Plate 3

$$500 \text{ gr} = 1.054 \text{ gr/ml} \times V$$

$$V = \frac{500 \text{ gr}}{1.054 \text{ gr/ml}}$$

$$= 474.38 \text{ ml}$$

- Plate 4

$$500 \text{ gr} = 1.0548 \text{ gr/ml} \times V$$

$$V = \frac{500 \text{ gr}}{1.0548 \text{ gr/ml}}$$

$$= 474.02 \text{ ml}$$

e) 50 menit

- Plate 1

$$500 \text{ gr} = 1.0472 \text{ gr/ml} \times V$$

$$V = \frac{500 \text{ gr}}{1.0472 \text{ gr/ml}}$$
$$= 477.46 \text{ ml}$$

- Plate 2

$$500 \text{ gr} = 1.0484 \text{ gr/ml} \times V$$

$$V = \frac{500 \text{ gr}}{1.0484 \text{ gr/ml}}$$
$$= 476.92 \text{ ml}$$

- Plate 3

$$500 \text{ gr} = 1.0508 \text{ gr/ml} \times V$$

$$V = \frac{500 \text{ gr}}{1.0508 \text{ gr/ml}}$$
$$= 457.83 \text{ ml}$$

- Plate 4

$$500 \text{ gr} = 1.0564 \text{ gr/ml} \times V$$

$$V = \frac{500 \text{ gr}}{1.0564 \text{ gr/ml}}$$
$$= 473.31 \text{ ml}$$

Percobaan (waktu ke-)	volume filtrat variabel 2			
	i	ii	iii	iv
10 menit	1.0504	1.0528	1.0556	1.0564
20 menit	1.0500	1.0560	1.0564	1.0572
30 menit	1.0504	1.0548	1.0548	1.0560
40 menit	1.0504	1.0516	1.0520	1.0536
50 menit	1.0500	1.0536	1.0564	1.0576

$$m = \rho \cdot v$$

a.) 10 menit

- Plate 1

$$500 \text{ gr} = 1.0484 \text{ gr/ml} \times V$$

$$V = \frac{500 \text{ gr}}{1.0484 \text{ gr/ml}}$$

$$= 476.92 \text{ ml}$$

- Plate 2

$$500 \text{ gr} = 1.0492 \text{ gr/ml} \times V$$

$$V = \frac{500 \text{ gr}}{1.0492 \text{ gr/ml}}$$

$$= 476.55 \text{ ml}$$

- Plate 3

$$500 \text{ gr} = 1.05 \text{ gr/ml} \times V$$

$$V = \frac{500 \text{ gr}}{1.05 \text{ gr/ml}}$$

$$= 476.19 \text{ ml}$$

- Plate 4

$$500 \text{ gr} = 1.0508 \text{ gr/ml} \times V$$

$$V = \frac{500 \text{ gr}}{1.0508 \text{ gr/ml}}$$

$$= 475.83 \text{ ml}$$

b.) 20 menit

- Plate 1

$$500 \text{ gr} = 1.05 \text{ gr/ml} \times V$$

$$V = \frac{500 \text{ gr}}{1.05 \text{ gr/ml}}$$

$$= 476.01 \text{ ml}$$

- Plate 2

$$500 \text{ gr} = 1.0528 \text{ gr/ml} \times V$$

$$V = \frac{500 \text{ gr}}{1.0528 \text{ gr/ml}}$$

$$= 474.92 \text{ ml}$$

- Plate 3

$$500 \text{ gr} = 1.0556 \text{ gr/ml} \times V$$

$$V = \frac{500 \text{ gr}}{1.0556 \text{ gr/ml}}$$

$$= 473.66 \text{ ml}$$

- Plate 4

$$500 \text{ gr} = 1.0564 \text{ gr/ml} \times V$$

$$V = \frac{500 \text{ gr}}{1.0564 \text{ gr/ml}}$$

$$= 473.31 \text{ ml}$$

-

c.) 30 menit

- Plate 1

$$500 \text{ gr} = 1.0504 \text{ gr/ml} \times V$$

$$V = \frac{500 \text{ gr}}{1.0504 \text{ gr/ml}}$$

$$= 476.19 \text{ ml}$$

- Plate 2

$$500 \text{ gr} = 1.0548 \text{ gr/ml} \times V$$

$$V = \frac{500 \text{ gr}}{1.0548 \text{ gr/ml}}$$

$$= 473.48 \text{ ml}$$

- Plate 3

$$500 \text{ gr} = 1.0548 \text{ gr/ml} \times V$$

$$V = \frac{500 \text{ gr}}{1.0548 \text{ gr/ml}}$$
$$= 473.31 \text{ ml}$$

- Plate 4

$$500 \text{ gr} = 1.056 \text{ gr/ml} \times V$$

$$V = \frac{500 \text{ gr}}{1.056 \text{ gr/ml}}$$
$$= 472.95 \text{ ml}$$

d.) 40 menit

- Plate 1

$$500 \text{ gr} = 1.0504 \text{ gr/ml} \times V$$

$$V = \frac{500 \text{ gr}}{1.0504 \text{ gr/ml}}$$
$$= 476.01 \text{ ml}$$

- Plate 2

$$500 \text{ gr} = 1.0516 \text{ gr/ml} \times V$$

$$V = \frac{500 \text{ gr}}{1.0516 \text{ gr/ml}}$$
$$= 475.47 \text{ ml}$$

- Plate 3

$$500 \text{ gr} = 1.052 \text{ gr/ml} \times V$$

$$V = \frac{500 \text{ gr}}{1.052 \text{ gr/ml}}$$
$$= 475.27 \text{ ml}$$

- Plate 4

$$500 \text{ gr} = 1.0536 \text{ gr/ml} \times V$$

$$V = \frac{500 \text{ gr}}{1.0536 \text{ gr/ml}}$$
$$= 474.56 \text{ ml}$$

e.) 50 menit

- Plate 1

$$500 \text{ gr} = 1.05 \text{ gr/ml} \times V$$

$$V = \frac{500 \text{ gr}}{1.05 \text{ gr/ml}}$$
$$= 476.19 \text{ ml}$$

- Plate 2

$$500 \text{ gr} = 1.0536 \text{ gr/ml} \times V$$

$$V = \frac{500 \text{ gr}}{1.0536 \text{ gr/ml}}$$
$$= 474.56 \text{ ml}$$

- Plate 3

$$500 \text{ gr} = 1.0564 \text{ gr/ml} \times V$$

$$V = \frac{500 \text{ gr}}{1.0564 \text{ gr/ml}}$$
$$= 473.31 \text{ ml}$$

- Plate 4

$$500 \text{ gr} = 1.0576 \text{ gr/ml} \times V$$

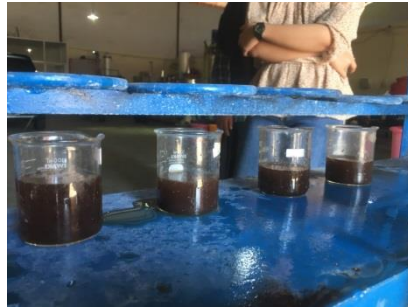
$$V = \frac{500 \text{ gr}}{1.0576 \text{ gr/ml}}$$
$$= 472.77 \text{ ml}$$

3. Gambar

- Percobaan 1 (500gram)



filtrate di menit ke 10



filtrate di menit ke 20



filtrate di menit ke 30



filtrate di menit ke 40



filtrate di menit ke 50

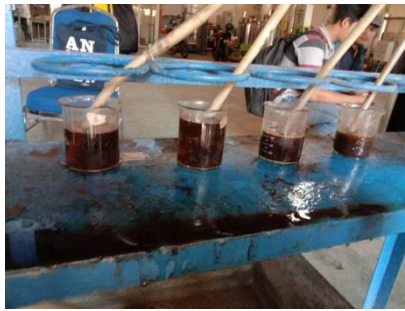


Cake dari semua frame

- Percobaan 2 (1000 gr)



filtrate di menit ke 10



filtrate di menit ke 20



filtrate di menit ke 30



filtrate di menit ke 40



filtrate di menit ke 50



Cake dr semua frame

