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LAMPIRAN

Lampiran Perhitungan

1. Sampel 1

✓ Sampel 1 A

Bobot sirup	: 100,0495 g
Massa kertas saring	: 1,2258 g
Massa kertas saring+end	: 1,6 g
BM Siklamat	: 201,2
BM BaSO ₄	: 233,39

$$W.\text{end} = W.\text{ks} - \text{ks}$$

$$W.\text{end} = 1,6 - 1,2327$$

$$W.\text{end} = 0,3673 \text{ g}$$

$$\text{Siklamat} = \frac{BM \text{ Siklamat}}{BM \text{ BaSO}_4} \times W.\text{end}$$

$$= \frac{201,2}{233,39} \times 0,3673$$

$$= 0,3166 \text{ g}$$

$$\% = \frac{X}{\text{Total}} \times 100\%$$

$$= \frac{0,3166}{100,0495} \times 100\%$$

$$= 0,31\% \text{ b/b}$$

✓ Sampel 1 B

Bobot sirup	: 100,0330 g
Massa kertas saring	: 1,2396 g
Massa kertas saring+end	: 1,6 g
BM Siklamat	: 201,2
BM BaSO ₄	: 233,39

$$\begin{aligned} \text{W.end} &= \text{W.ks} - \text{ks} \\ \text{W.end} &= 1,6 - 1,2396 \\ \text{W.end} &= 0,3604 \text{ g} \end{aligned}$$

$$\begin{aligned} \text{Siklamat} &= \frac{BM \text{ Siklamat}}{BM \text{ BaSO}_4} \times \text{W.end} \\ &= \frac{201,2}{233,39} \times 0,3604 \\ &= 0,3106 \text{ g} \end{aligned}$$

$$\begin{aligned} \% &= \frac{X}{\text{Total}} \times 100\% \\ &= \frac{0,3106}{100,0330} \times 100\% \\ &= 0,31\% \text{ b/b} \end{aligned}$$

✓ Sampel 1 C

Bobot sirup	: 100,0365 g
Massa kertas saring	: 1,1919 g
Massa kertas saring+end	: 1,6 g
BM Siklamat	: 201,2
BM BaSO ₄	: 233,39

$$\begin{aligned} \text{W.end} &= \text{W.ks} - \text{ks} \\ \text{W.end} &= 1,6 - 1,1919 \\ \text{W.end} &= 0,4081 \text{ g} \end{aligned}$$

$$\begin{aligned} \text{Siklamat} &= \frac{BM \text{ Siklamat}}{BM \text{ BaSO}_4} \times \text{W.end} \\ &= \frac{201,2}{233,39} \times 0,4081 \\ &= 0,3518 \text{ g} \end{aligned}$$

$$\begin{aligned} \% &= \frac{X}{\text{Total}} \times 100\% \\ &= \frac{0,3518}{100,0365} \times 100\% \\ &= 0,35\% \text{ b/b} \end{aligned}$$

2. Sampel 2

✓ Sampel 2 A

Bobot sirup	: 100,0179 g
Massa kertas saring	: 1,2329 g
Massa kertas saring+end	: 2,4 g
BM Siklamat	: 201,2
BM BaSO ₄	: 233,39

$$\begin{aligned} \text{W.end} &= \text{W.ks} - \text{ks} \\ \text{W.end} &= 2,4 - 1,2329 \\ \text{W.end} &= 1,1671 \text{ g} \end{aligned}$$

$$\begin{aligned} \text{Siklamat} &= \frac{\text{BM Siklamat}}{\text{BM BaSO}_4} \times \text{W.end} \\ &= \frac{201,2}{233,39} \times 1,1671 \\ &= 1,0061 \text{ g} \end{aligned}$$

$$\begin{aligned} \% &= \frac{X}{\text{Total}} \times 100\% \\ &= \frac{1,0061}{100,0179} \times 100\% \\ &= 1,00\% \text{ b/b} \end{aligned}$$

✓ Sampel 2 B

Bobot sirup	: 100,0205 g
Massa kertas saring	: 1,1996 g

Massa kertas saring+end	: 2,6 g
BM Siklamat	: 201,2
BM BaSO ₄	: 233,39

$$\begin{aligned} W.\text{end} &= W.\text{ks} - \text{ks} \\ W.\text{end} &= 2,6 - 1,1996 \\ W.\text{end} &= 1,4004 \text{ g} \end{aligned}$$

$$\begin{aligned} \text{Siklamat} &= \frac{BM \text{ Siklamat}}{BM \text{ BaSO}_4} \times W.\text{end} \\ &= \frac{201,2}{233,39} \times 1,4004 \\ &= 1,2072 \text{ g} \end{aligned}$$

$$\begin{aligned} \% &= \frac{X}{\text{Total}} \times 100\% \\ &= \frac{1,2072}{100,0205} \times 100\% \\ &= 1,20 \% \text{ b/b} \end{aligned}$$

✓ Sampel 2 C

Bobot sirup	: 100,0372 g
Massa kertas saring	: 1,2327 g
Massa kertas saring+end	: 2,8 g
BM Siklamat	: 201,2
BM BaSO ₄	: 233,39

$$\begin{aligned} W.\text{end} &= W.\text{ks} - \text{ks} \\ W.\text{end} &= 2,8 - 1,2327 \\ W.\text{end} &= 1,5673 \text{ g} \end{aligned}$$

$$\text{Siklamat} = \frac{BM \text{ Siklamat}}{BM \text{ BaSO}_4} \times W.\text{end}$$

$$= \frac{201,2}{233,39} \times 1,5673$$

$$= 1,3511 \text{ g}$$

$$\% = \frac{X}{\text{Des}} \times 100\%$$

$$= \frac{1,3511}{100,0372} \times 100\%$$

$$= 1,35\% \text{ b/b}$$

3. Sampel 3

✓ Sampel 3 A

Bobot sirup : 100,0372 g

Massa kertas saring : 1,1985 g

Massa kertas saring+end : 1,8 g

BM Siklamat : 201,2

BM BaSO₄ : 233,39

$$W.\text{end} = W.\text{ks} - \text{ks}$$

$$W.\text{end} = 1,8 - 1,1985$$

$$W.\text{end} = 0,6015 \text{ g}$$

$$\text{Siklamat} = \frac{BM \text{ Siklamat}}{BM \text{ BaSO}_4} \times \text{W.end}$$

$$= \frac{201,2}{233,39} \times 0,6015$$

$$= 0,51 \text{ g}$$

$$\begin{aligned} \% &= \frac{X}{\text{mass}} \times 100\% \\ &= \frac{0,51}{100,0372} \times 100\% \\ &= 0,50\% \text{ b/b} \end{aligned}$$

✓ Sampel 3 B

Bobot sirup	: 100,1838 g
Massa kertas saring	: 1,2126 g
Massa kertas saring+end	: 1,8 g
BM Siklamat	: 201,2
BM BaSO ₄	: 233,39

$$\begin{aligned} \text{W.end} &= \text{W.ks} - \text{ks} \\ \text{W.end} &= 1,8 - 1,2126 \\ \text{W.end} &= 0,5874 \text{ g} \end{aligned}$$

$$\begin{aligned} \text{Siklamat} &= \frac{\text{BM Siklamat}}{\text{BM BaSO}_4} \times \text{W.end} \\ &= \frac{201,2}{233,39} \times 0,5874 \\ &= 0,5063 \text{ g} \end{aligned}$$

$$\begin{aligned} \% &= \frac{X}{\text{mass}} \times 100\% \\ &= \frac{0,5063}{100,1599} \times 100\% \\ &= 0,50\% \text{ b/b} \end{aligned}$$

✓ Sampel 3 C

Bobot sirup	: 100,1602 g
Massa kertas saring	: 1,2315 g
Massa kertas saring+end	: 1,8 g
BM Siklamat	: 201,2

BM BaSO₄ : 233,39

$$W.\text{end} = W.\text{ks} - \text{ks}$$

$$W.\text{end} = 1,8 - 1,2315$$

$$W.\text{end} = 0,5685 \text{ g}$$

$$\text{Siklamat} = \frac{BM \text{ Siklamat}}{BM \text{ BaSO}_4} \times W.\text{end}$$

$$= \frac{201,2}{233,39} \times 0,5685$$

$$= 0,4900 \text{ g}$$

$$\% = \frac{X}{\text{total}} \times 100\%$$

$$= \frac{0,4900}{100,1602} \times 100\%$$

$$= 0,49\% \text{ b/b}$$

4. Sampel 4

✓ Sampel 4 A

Bobot sirup : 100,3801 g

Massa kertas saring : 1,2249 g

Massa kertas saring+end : 1,8 g

BM Siklamat : 201,2

BM BaSO₄ : 233,39

$$W.\text{end} = W.\text{ks} - \text{ks}$$

$$W.\text{end} = 1,8 - 1,2249$$

$$W.\text{end} = 0,5751 \text{ g}$$

$$\text{Siklamat} = \frac{BM \text{ Siklamat}}{BM \text{ BaSO}_4} \times W.\text{end}$$

$$= \frac{201,2}{233,39} \times 0,5751$$

$$= 0,4957 \text{ g}$$

$$\% = \frac{X}{\text{ks}} \times 100\%$$

$$= \frac{0,4957}{100,3801} \times 100\%$$

$$= 0,49\% \text{ b/b}$$

✓ Sampel 4 B

Bobot sirup : 100,1838 g

Massa kertas saring : 1,2550 g

Massa kertas saring+end : 1,8 g

BM Siklamat : 201,2

BM BaSO₄ : 233,39

$$W.\text{end} = W.\text{ks} - \text{ks}$$

$$W.\text{end} = 1,8 - 1,2550$$

$$W.\text{end} = 0,545 \text{ g}$$

$$\text{Siklamat} = \frac{BM \text{ Siklamat}}{BM \text{ BaSO}_4} \times W.\text{end}$$

$$= \frac{201,2}{233,39} \times 0,545$$

$$= 0,4698 \text{ g}$$

$$\begin{aligned} \% &= \frac{X}{\text{mass}} \times 100\% \\ &= \frac{0,4698}{100,1838} \times 100\% \\ &= 0,46\% \text{ b/b} \end{aligned}$$

✓ Sampel 4 C

Bobot sirup	: 100,0716 g
Massa kertas saring	: 1,2171 g
Massa kertas saring+end	: 2,0 g
BM Siklamat	: 201,2
BM BaSO ₄	: 233,39

$$\begin{aligned} \text{W.end} &= \text{W.ks} - \text{ks} \\ \text{W.end} &= 2,0 - 1,2171 \\ \text{W.end} &= 0,7829 \text{ g} \end{aligned}$$

$$\begin{aligned} \text{Siklamat} &= \frac{\text{BM Siklamat}}{\text{BM BaSO}_4} \times \text{W.end} \\ &= \frac{201,2}{233,39} \times 0,7829 \\ &= 0,6749 \text{ g} \end{aligned}$$

$$\begin{aligned} \% &= \frac{X}{\text{mass}} \times 100\% \\ &= \frac{0,6749}{100,0716} \times 100\% \\ &= 0,67\% \text{ b/b} \end{aligned}$$

5. Sampel 5

✓ Sampel 5 A

Bobot sirup	: 100,0322 g
Massa kertas saring	: 1,1998 g
Massa kertas saring+end	: 1,8 g

BM Siklamat : 201,2
 BM BaSO₄ : 233,39

W.end = W.ks – ks
 W.end = 1,8 – 1,1998
 W.end = 0,6002 g

$$\begin{aligned} \text{Siklamat} &= \frac{BM \text{ Siklamat}}{BM \text{ BaSO}_4} \times W.\text{end} \\ &= \frac{201,2}{233,39} \times 0,6002 \\ &= 0,5174 \text{ g} \end{aligned}$$

$$\begin{aligned} \% &= \frac{X}{S} \times 100\% \\ &= \frac{0,5174}{100,0322} \times 100\% \\ &= 0,51\% \text{ b/b} \end{aligned}$$

✓ Sampel 5 B

Bobot sirup : 100,0287 g
 Massa kertas saring : 1,2291 g
 Massa kertas saring+end : 1,8 g
 BM Siklamat : 201,2
 BM BaSO₄ : 233,39

W.end = W.ks – ks
 W.end = 1,8 – 1,2291
 W.end = 0,5709 g

$$\begin{aligned} \text{Siklamat} &= \frac{BM \text{ Siklamat}}{BM \text{ BaSO}_4} \times W.\text{end} \\ &= \frac{201,2}{233,39} \times 0,5709 \end{aligned}$$

$$= 0,4921 \text{ g}$$

$$\% = \frac{X}{s} \times 100\%$$

$$= \frac{0,4921}{100,0287} \times 100\%$$

$$= 0,49\% \text{ b/b}$$

✓ Sampel 5 C

Bobot sirup	: 100,0219 g
Massa kertas saring	: 1,2184 g
Massa kertas saring+end	: 2,0 g
BM Siklamat	: 201,2
BM BaSO ₄	: 233,39

$$W.\text{end} = W.\text{ks} - \text{ks}$$

$$W.\text{end} = 2,0 - 1,2184$$

$$W.\text{end} = 0,7816 \text{ g}$$

$$\text{Siklamat} = \frac{BM \text{ Siklamat}}{BM \text{ BaSO}_4} \times \text{end}$$

$$= \frac{201,2}{233,39} \times 0,7816$$

$$= 0,6737 \text{ g}$$

$$\% = \frac{X}{s} \times 100\%$$

$$= \frac{0,6737}{100,0219} \times 100\%$$

$$= 0,67\% \text{ b/b}$$

LAMPIRAN

Lampiran 1. Persiapan Sampel





Sampel 1



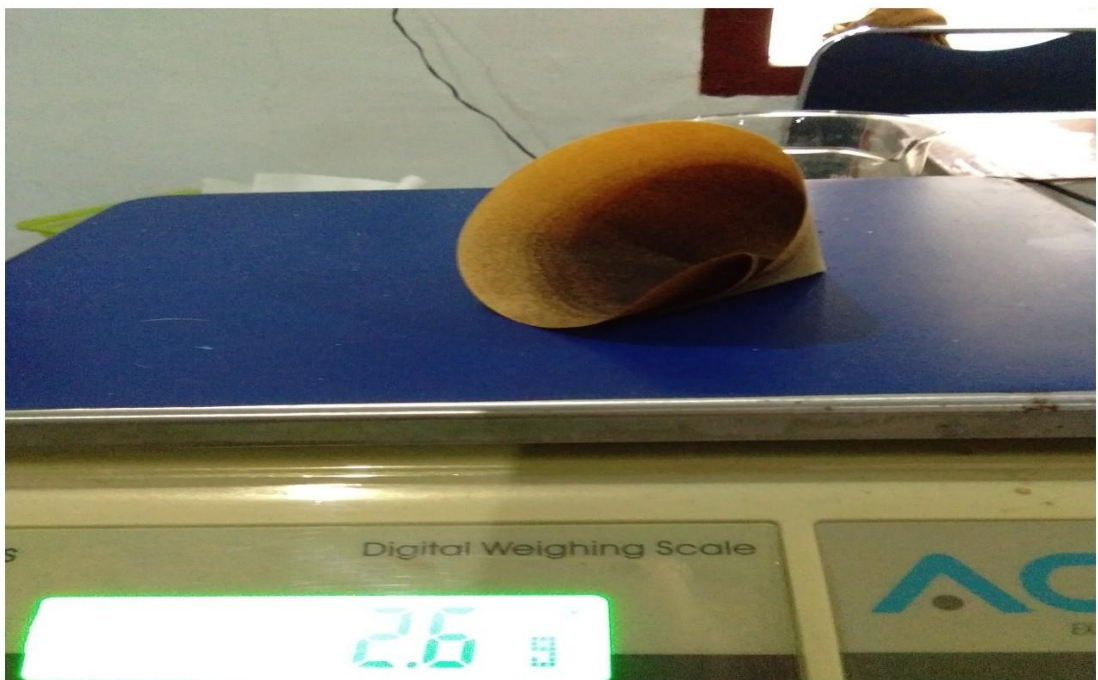




Sampel 2

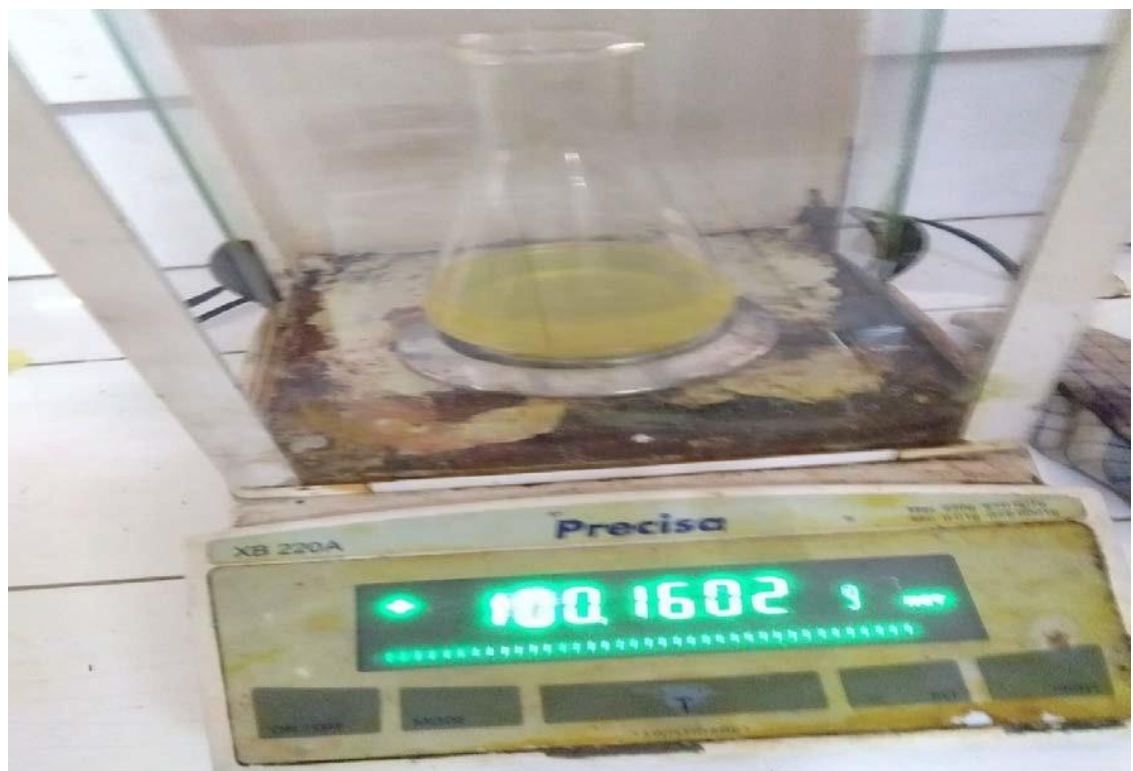








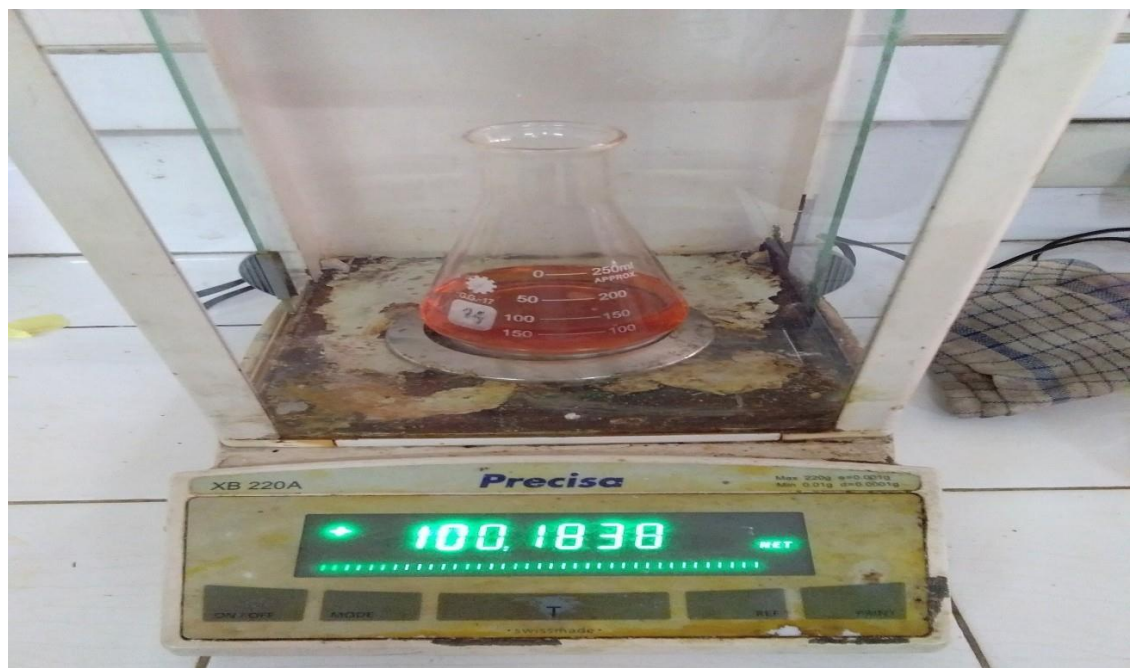
Sampel 3



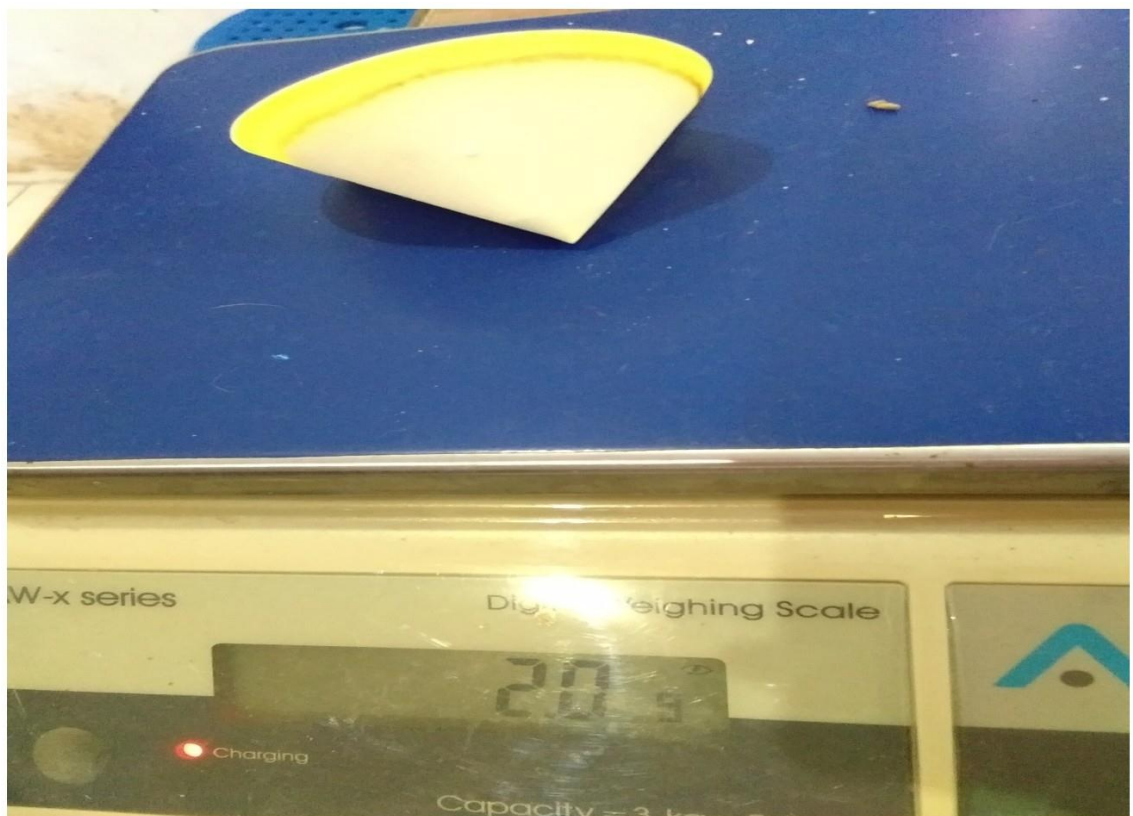
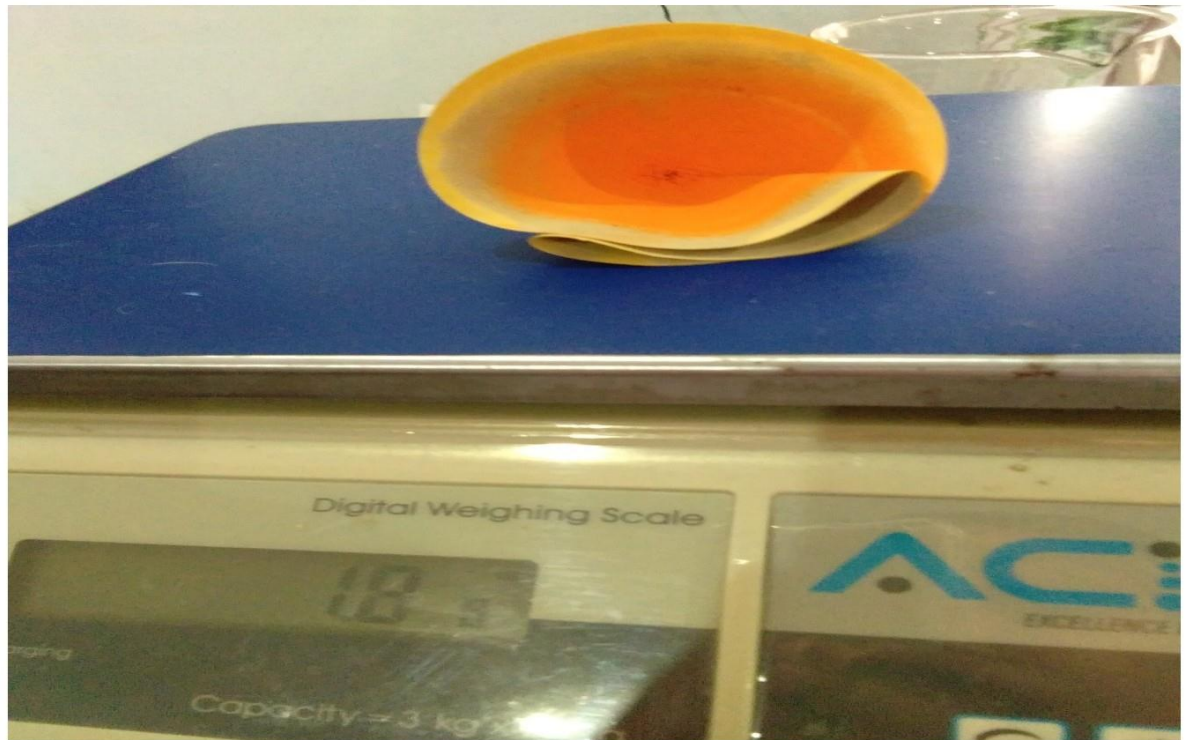




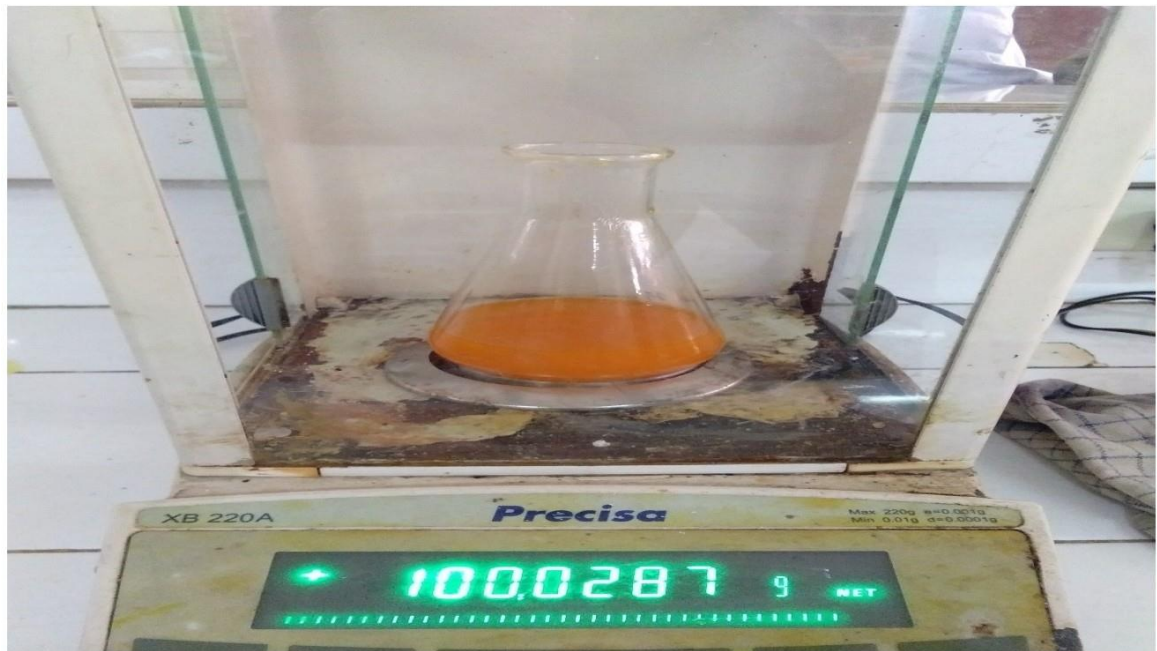
Sampel 4





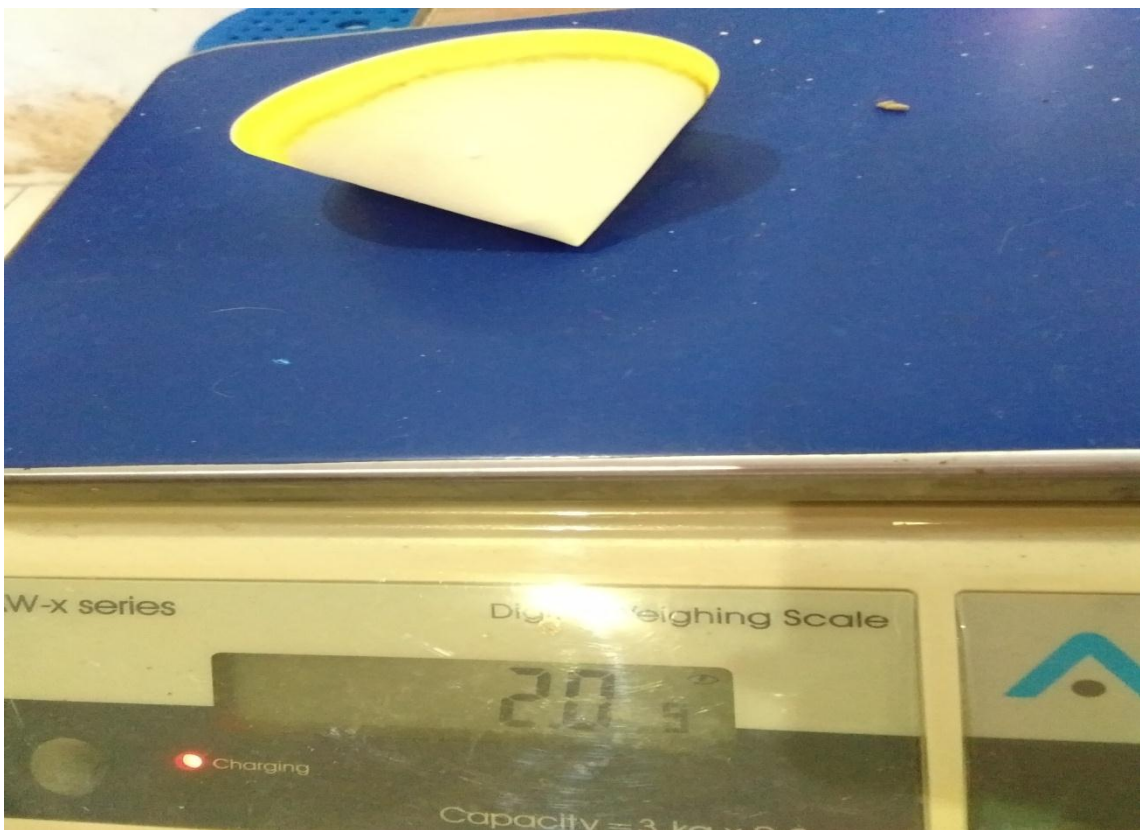
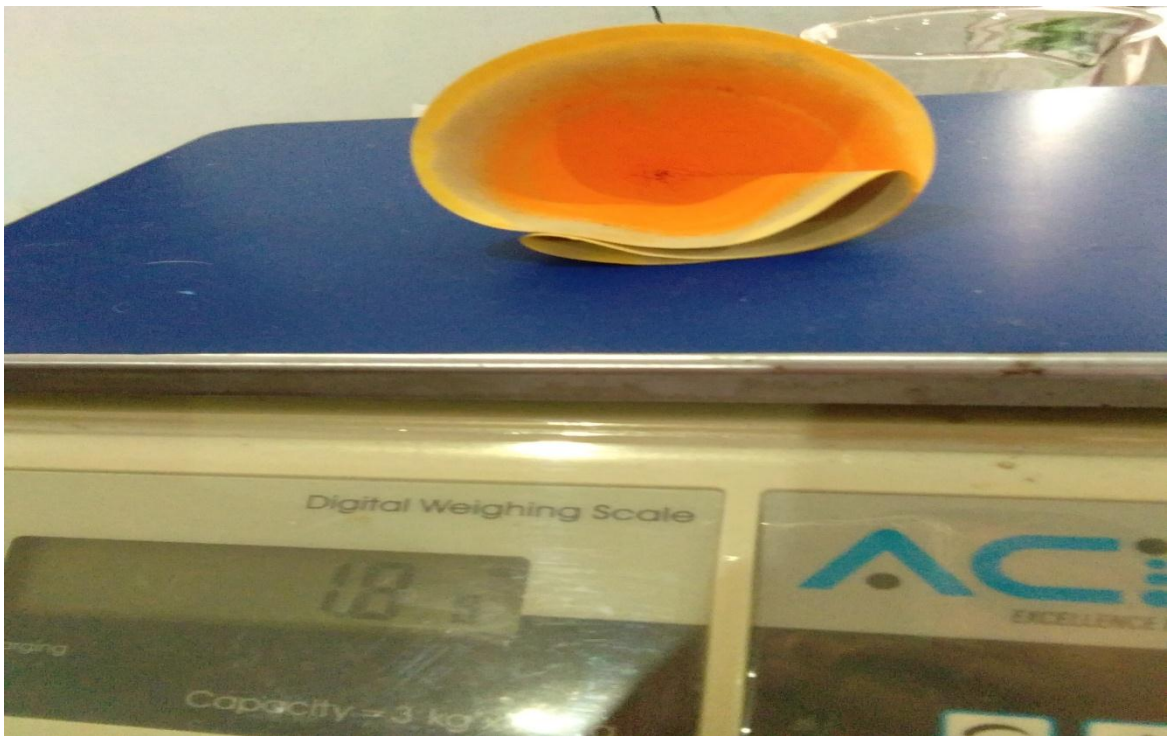


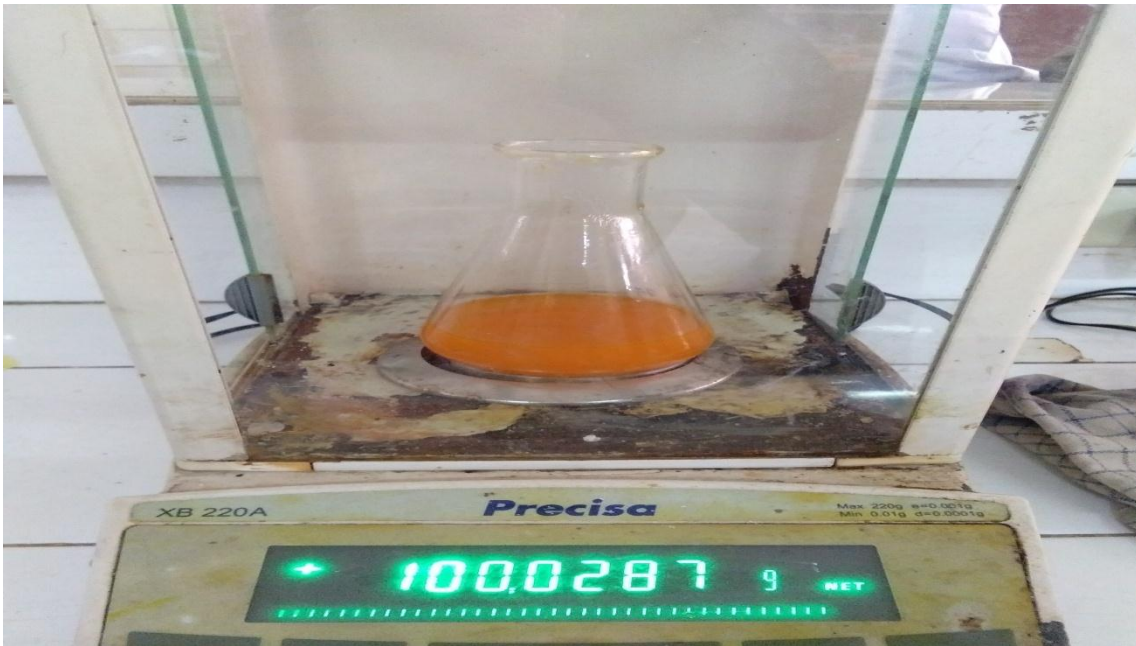
Sampel5





Dig1ta1 Weighing Scale

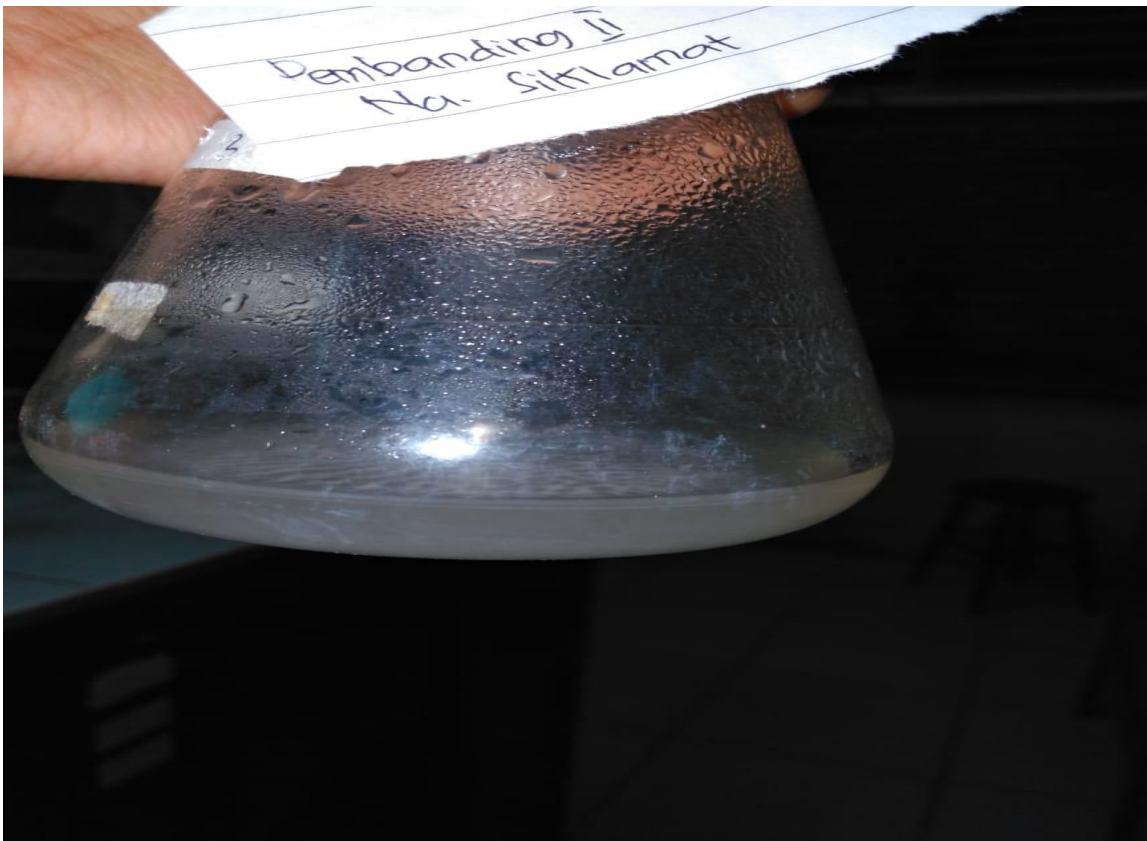








Lampiran 2. Uji Pembanding Siklamat



Lampiran 3. Metode Nyala Api





Lampiran 4. Batas Penggunaan maksimum Pemanis Buatan Menurut Permenkes RI No. 208/Menkes/Per/IV

Nama Pemanis Buatan	ADI	Jenis Bahan Makanan	Bahan Maksimum Penggunaan
Aspartam	0-40 mg	-	-
Sakarin (serta garam natriumnya)	0-2,5 mg	Makanan berkalori rendah a. Permen karet b. Permen c. Saus d. Es lilin e. Jeli f. Minuman Ringan g. Minuman Yogurt h. Es krim i. Minuman Ringan Terfermentasi	50 mg/kg (sakarin) 100 mg/kg (sakarin) 300 mg/kg (sakarin) 300 mg/kg (sakarin) 300 mg/kg (sakarin) 200 mg/kg (sakarin) 300mg/kg (sakarin) 300 mg/kg (sakarin) 200 mg/kg (sakarin) 50 mg/kg (sakarin)
Siklamat (serta garam natriumnya)	0-11 mg	Makanan berkalori rendah a. Permen karet b. Permen c. Saus d. Es krim dan sejenisnya e. Es lilin f. Jeli g. Sirup	500 mg/kg (bahan) 1 g/kg (bahan) 3 g/kg (bahan) 2 g/kg (bahan) 1 g/kg (bahan) 1 g/kg (bahan) 1 g/kg (bahan)

h. Minuman ringan	1 g/kg (bahan)
i. Minuman yoguart	1 g/kg (bahan)

Lampiran 5. Kartu Bimbingan KTI

: t) Lrrr I (Jk LdJ=) :! :d- / i /
 S U = C , \ K J ; \ :
 II. C : 2 m r ' Q ; i / : ' : : :

KARTU LAPORAN PESTEMEN BIMBINGAN

Nama Mahasiswa !{iul Dwi ?_ChdJuli? bt:ur?lb'r

N} lvi Pol'l 3Jl5t151

Per} b, m bir, r JrA- f..ls+ liltt niUl, M: S: t...



No	TGL	PERIODE MUATAN	PEMBAHASAN	PARAF MAHASISWA	PARAF PEMIMPING
1	20-3-2018	I	Pengarahan	<i>Pu</i>	<i>[Signature]</i>
2	4-4-2018	II	Konsultasi Judul	<i>Pu</i>	<i>[Signature]</i>
3	10-4-2018	III	Acc Judul	<i>Pu</i>	<i>[Signature]</i>
4	12-4-2018	IV	Menyerahkan Bab I dan II	<i>Pu</i>	<i>[Signature]</i>
5	18-4-2018	V	Revisi Bab I dan II	<i>Pu</i>	<i>[Signature]</i>
6	23-4-2018	VI	Menyerahkan Bab I, II, III	<i>Pu</i>	<i>[Signature]</i>
7	25-4-2018	VII	Diskusi Bab III	<i>Pu</i>	<i>[Signature]</i>
8	30-4-2018	VIII	Acc proposal KTI	<i>Pu</i>	<i>[Signature]</i>
9	6-6-2018	IX	Penyerahan Hasil Penelitian	<i>Pu</i>	<i>[Signature]</i>
10	2-7-2018	X	Bimbingan Bab IV dan V	<i>Pu</i>	<i>[Signature]</i>
11	5-7-2018	XI	Pertemuan KTI	<i>Pu</i>	<i>[Signature]</i>
12	12-7-2018	XII	Acc KTI	<i>Pu</i>	<i>[Signature]</i>

PLT Ketua,
[Signature]
 Dra. Masnah, M.Kes. Apt
 NIP. 196204281993032001

Lampiran 6. Surat Pengantar Praktek Penelitian



Yayasan
 L3mptran
 Penhal

0101 05 01 0 2018

Medan 22 /kt 2018

Ditujukan Kepada
 Kepala Laboratorium Farmasi
 Jurusan Farmasi Poltekkes Medan

Kepada Yth
 Kepala Laboratorium Farmasi
 Jurusan Farmasi Poltekkes Medan

Dengan hormat

Dalam rangka pelaksanaan kegiatan praktikum Farmasi Poltekkes Medan, kami sebagai mahasiswa dan dosen akan melaksanakan penelitian di Laboratorium Farmasi Jurusan Farmasi Poltekkes Medan yang dipimpin oleh Bapak/Ibu. Adapun nama mahasiswa tersebut adalah

NO	PEMBIMBING	JUDUL
1.	M. HASRIAN	Analisa Kualitatif Kuantitatif dan Stokfarmasi yang Terdapat di Pasar Sore Padang Bulan dengan cara Gravitasi
2.	Putri Dwi Rethawati Guru,ing	
3.	Orang tua Daud M Sidiq	

Demikianlah kami sampaikan atas kerjasamanya kami ucapkan terima kasih

