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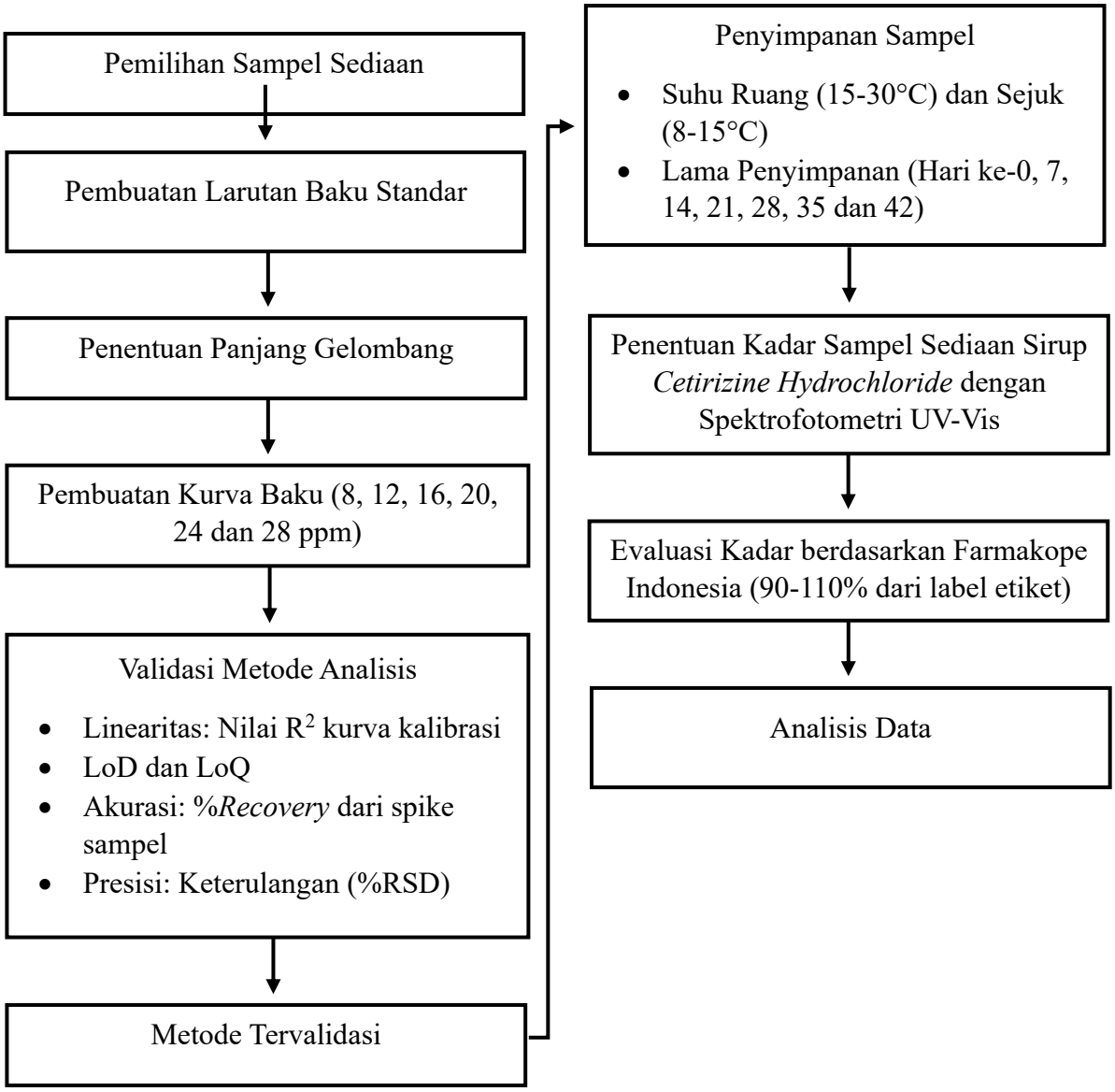
LAMPIRAN

Lampiran 1. Alur Penelitian



Lampiran 2. Kode Etik Penelitian

YAYASAN HARAPAN BUNDA BATAM
INSTITUT KESEHATAN MITRA BUNDA
KOMITE ETIK PENELITIAN
Jl. Seraya No 1 KOTA BATAM Telp/Fax (0778) 429431, website : http: ikmb.ac.id
SURAT KEPUTUSAN MENTERI PENDIDIKAN DAN KEBUDAYAAN REPUBLIK INDONESIA No. 284 M/2020

KOMITE ETIK PENELITIAN
INSTITUT KESEHATAN MITRA BUNDA
THE RESEARCH ETHICAL COMMITTEE INSTITUT KESEHATAN MITRA BUNDA

SURAT KETERANGAN
ETHICAL APPROVAL
No. 126/K/KEP/IKMB/VIII/2025

Komite Etik Penelitian Institut Kesehatan Mitra Bunda, menyatakan dengan ini bahwa penelitian dengan judul :
The Research Ethical Committee of Institut Kesehatan Mitra Bunda states hereby that the following proposal :

"Analisis Kadar Obat *Cetirizine Hydrochloride* Sediaan Sirup terhadap Suhu dan Lama Penyimpanan dengan Metode Spektrofotometri UV-Vis"
"Analysis of Cetirizine Hydrochloride Levels in Syrup Preparations Based on Temperature and Storage Duration Using the UV-Vis Spectrophotometry Method"

Peneliti Utama : Andini Roshida Amaliatama
Principal Investigato

Lokasi Penelitian : Laboratorium Kimia Farmasi
Research Location

Waktu Penelitian : Juni – September 2025
Time Schedule

Responden/Subjek Penelitian : 6 Produk Obat Sirup *Cetirizine Hydrochloride*
Respondent/Research Subject

Telah melalui prosedur kaji etik dan dinyatakan layak untuk dilaksanakan
Has proceeded the ethichal assessment procedure and been approved fot implementation

Batam, 26 Agustus 2025
Ketua / *Chairman*,

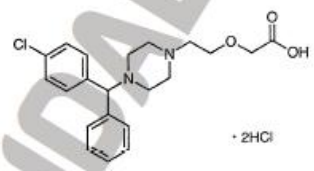
dr. Ibnu Rushd, M.K.M

Lampiran 3. Sertifikat Analisis Baku Standar

BADAN PENGAWAS OBAT DAN MAKANAN
Jl. Percetakan Negara No. 23 Jakarta Pusat 10560 Indonesia
Telp. (021) 424 4691, 424 4819, 424 5075, Fax : 424 5150, 420 1427
Email : ppomn@pom.go.id; sekretariatkappomn@gmail.com Website : www.pom.go.id

SERTIFIKAT ANALISIS

NAMA ZAT : **CETIRIZINE DIHYDROCHLORIDA / SETIRIZIN DIHIDROKLORIDA BPFI**



CAS No. : 83881-52-1
NO KONTROL : AB0223376
FORMULA : $C_{21}H_{25}ClN_2O_3 \cdot 2HCl$
BOBOT MOLEKUL : 461,81 g/mol
TUJUAN PENGGUNAAN : – Identifikasi secara spektrofotometri inframerah
– Identifikasi secara kromatografi cair kinerja tinggi
– Uji kemurnian secara kromatografi cair kinerja tinggi
– Penetapan kadar

WADAH DAN PENYIMPANAN : Dalam wadah tertutup rapat, terlindung dari cahaya dan kelembapan, disimpan pada suhu ruang terkendali hingga 25°C.

PENGUJIAN	METODE	SPESIFIKASI	HASIL
Pemerian	-	Serbuk warna putih sampai hampir putih	Memenuhi syarat
Identifikasi	Spektrofotometri inframerah	Sesuai baku primer *Cetirizine dihydrochloride* EPRS	Memenuhi syarat
	Kromatografi cair kinerja tinggi	- Kromatogram pelarut tidak menunjukkan puncak dengan waktu retensi yang sama dengan larutan uji dan baku - Waktu retensi puncak utama pada kromatogram larutan uji sesuai dengan larutan baku	Memenuhi syarat
Susut pengeringan	Gravimetri	≤ 0,5%	0,09% (n = 6; SD = 0,01%)
Sisa pemijaran	Gravimetri	≤ 0,2%	0,05% (n = 6; SD = 0,01%)
Uji kemurnian	Kromatografi cair kinerja tinggi	-	Cemaran total = 0,18%
Kadar yang ditetapkan (*assigned value*) 99,68%, *U* = 0,82%, k=2			

Kepala Pusat Pengembangan Pengujian Obat dan Makanan Nasional
u.b. Ketua Tim Pengembangan Baku Pembanding Kimia

Atiek Supardiati Eka S., S.Si., Apt., MKM
Tanggal adopsi : 14 Desember 2023

Versi 1

Halaman 1 dari 1

Lampiran 4. Data Survei Awal Merek Cetirizine Hydrochloride Sediaan Sirup di Pasaran

No.	Nama Dagang	Produsen	Kemasan	Harga/60 mL	Ketersediaan	No. Izin Edar	Catatan
1.	Allercyl	Tempo Scan Pacific	Botol Plastik	Rp11.000	Tersedia Terbatas	DTL0322718537A2	Murah
2.	Xilergy	Konimex	Botol Plastik	Rp12.000	Tersedia Terbatas	DTL1413025037A1	Murah
3.	Trisela	Erela	Botol	Rp14.000	Umum Tersedia	DTL1406315937A1	Murah
4.	Lerzin	Ifars	Botol	Rp16.800	Tersedia Luas	DTL0509215237A1	Sedang
5.	Cerini	Sanbe Farma	Botol	Rp65.000	Tersedia Luas	DTL1422252537A1	Sedang
6.	Rinocet	Meprofarm	Botol	Rp80.000	Umum Tersedia	DTL1015620937A1	Sedang
7.	Histrine	Ferron Par Pharmaceutical	Botol	Rp85.000	Tersedia Terbatas	DTL1234609937A1	Mahal
8.	Ryvel	Novell	Botol	Rp92.400	Umum Tersedia	DKL0433510437A1	Mahal
9.	Intrizin	Interbat	Botol	Rp107.500	Tersedia Luas	DTL0617621737A1	Mahal

Kategori Rentang Harga (Murah, Sedang, Mahal)

Data terbagi menjadi 3 bagian atau tertile, maka persentil yang digunakan P33 dan P66 dengan nilai $n = 9$.

Rumus Posisi Persentil:

$$Pk = \frac{k}{100}\ x\ (n+1)$$

P33:

$$P33 = \frac{33}{100}\ x\ (10) = 3{,}3$$

Posisi 3,3 berarti ambil data ke-3 dan data ke-4, lalu interpolasi:

$$P33 = 14.000 + 0{,}3 \text{ x } (16.800 - 14.000) = 14.000 + 840 = Rp14.840$$

P66:

$$P66 = \frac{66}{100}\ x\ (10) = 6{,}6$$

Posisi 6,6 berarti ambil data ke-6 dan data ke-7, lalu interpolasi:

$$P66 = 80.000 + 0{,}6 \text{ x } (85.000 - 80.000) = 80.000 + 3.000 = Rp83.000$$

Berdasarkan hasil perhitungan di atas, didapatkan klasifikasi harga

Kategori Harga	**Rentang Harga (Rp)**
Murah	<Rp14.840
Sedang	14.840-83.000
Mahal	>83.000

Skala Ketersediaan Produk

Kategori Ketersediaan	**Kriteria**
Tersedia luas	Ditemukan di ≥3 apotek berbeda
Umum Tersedia	Ditemukan di 2 apotek

Tersedia Terbatas	Hanya tersedia di 1 apotek

Lampiran 5. Perhitungan Pembuatan Larutan Baku Standar Konsentrasi 100 ppm dalam 250 mL

Perhitungan :

$$C = \frac{\text{m (mg)}}{\text{V (L)}}$$

$$100\ ppm = \frac{\text{m (mg)}}{0{,}25\ \text{L}}$$

$$m\ (mg) = 25\ \text{mg}$$

Lampiran 6. Perhitungan Pengenceran Penentuan Panjang Gelombang

Pengenceran 10 ppm:

$$C1\ x\ V1 = C2\ x\ V2$$

$$100\ ppm\ x\ V1 = 10\ ppm\ x\ 10\ mL$$

$$V1 = \frac{100}{100}$$

$$V1 = 1\ mL$$

Lampiran 7. Perhitungan Pengenceran Seri Konsentrasi

Pengenceran 8 ppm :

$$C1\ x\ V1 = C2\ x\ V2$$

$$100\ ppm\ x\ V1 = 8\ ppm\ x\ 25\ mL$$

$$V1 = \frac{200}{100}$$

$$V1 = 2\ mL$$

Pengenceran 10 ppm:

$$C1\ x\ V1 = C2\ x\ V2$$

$$100\ ppm\ x\ V1 = 10\ ppm\ x\ 25\ mL$$

$$V1 = \frac{250}{100}$$

$$V1 = 2{,}5\ mL$$

Pengenceran 12 ppm:

$$C1\ x\ V1 = C2\ x\ V2$$

$$100\ ppm\ x\ V1 = 12\ ppm\ x\ 25\ mL$$

$$V1 = \frac{300}{100}$$

$$V1 = 3\ mL$$

Pengenceran 14 ppm:

$$C1\ x\ V1 = C2\ x\ V2$$

$$100\ ppm\ x\ V1 = 14\ ppm\ x\ 25\ mL$$

$$V1 = \frac{350}{100}$$

$$V1 = 3{,}5\ mL$$

Pengenceran 16 ppm:

$$C1\ x\ V1 = C2\ x\ V2$$

$$100\ ppm\ x\ V1 = 16\ ppm\ x\ 25\ mL$$

$$V1 = \frac{400}{100}$$

$$V1 = 4\ mL$$

Pengenceran 18 ppm:

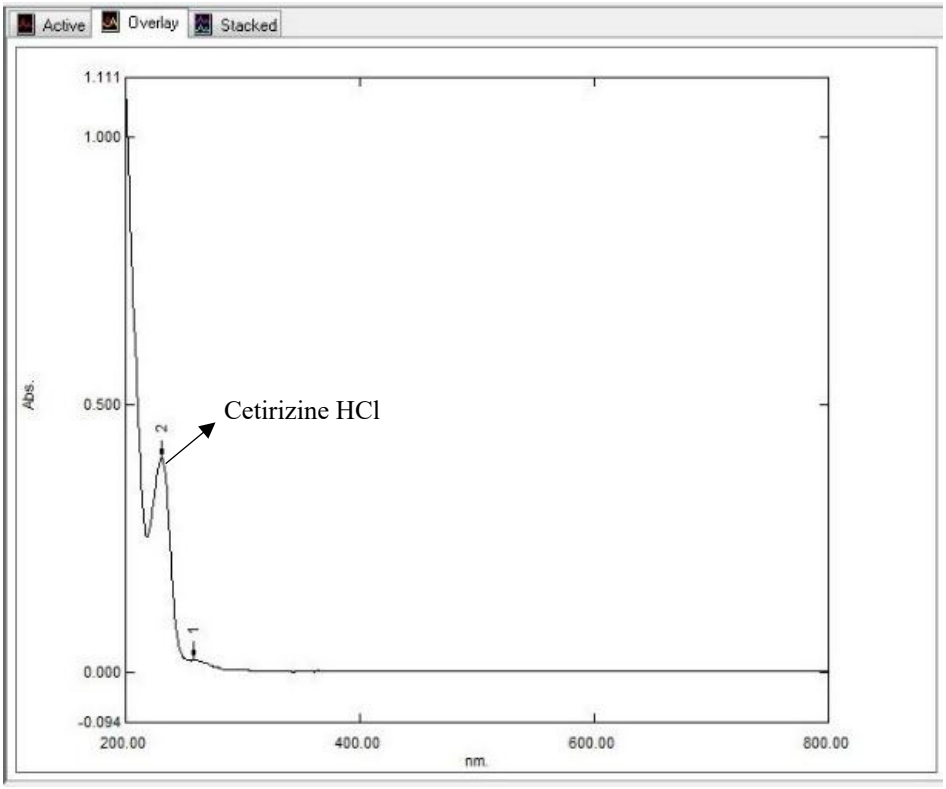
$$C1\ x\ V1 = C2\ x\ V2$$

$$100\ ppm\ x\ V1 = 18\ ppm\ x\ 25\ mL$$

$$V1 = \frac{450}{100}$$

$$V1 = 4{,}5\ mL$$

Lampiran 8. Spektrum Panjang Gelombang Maksimum Cetirizine HCl 10 ppm



Lampiran 9. Perhitungan LOD dan LOQ

LOD:

$$LOD = \frac{3{,}3\mathrm{Sy/x}}{\mathrm{b}}$$

$$LOD = \frac{3{,}3 \text{ x } 0.180}{0.0482} = 12.33$$

LOQ:

$$LOQ = \frac{10\mathrm{Sy/x}}{\mathrm{b}}$$

$$LOQ = \frac{10 \text{ x } 0.180}{0.0482} = 37.34$$

Lampiran 10. Perhitungan Uji Akurasi

Level Spike	Absorbansi	Perhitungan
50%	1.137	Konsentrasi: $y = 0.0482x - 0.0299$ $x = \frac{1.137 + 0.0299}{0.0482}$ $x = \frac{1.1669}{0.0482} = 24.2\ ppm$ %*Recovery*: $\frac{\text{Kadar yang diperoleh}}{\text{Kadar yang sebenarnya}}\ x\ 100\%$ $\frac{24.2\ ppm}{24\ ppm}\ x\ 100\% = 100{,}8\%$
100%	1.503	Konsentrasi: $y = 0.0482x - 0.0299$ $x = \frac{1.503 + 0.0299}{0.0482}$ $x = \frac{1.5329}{0.0482} = 31.8\ ppm$ %*Recovery*: $\frac{\text{Kadar yang diperoleh}}{\text{Kadar yang sebenarnya}}\ x\ 100\%$ $\frac{31.8\ ppm}{32\ ppm}\ x\ 100\% = 99{,}3\%$
150%	1.897	Konsentrasi: $y = 0.0482x - 0.0299$ $x = \frac{1.897 + 0.0299}{0.0482}$ $x = \frac{1.9269}{0.0482} = 39.9\ ppm$ %*Recovery*: $\frac{\text{Kadar yang diperoleh}}{\text{Kadar yang sebenarnya}}\ x\ 100\%$ $\frac{39.9\ ppm}{40\ ppm}\ x\ 100\% = 99{,}7\%$

Lampiran 11. Perhitungan Uji Presisi

Nilai %RSD:

$$\%RSD = \frac{\text{Standar Deviasi}}{\text{Rata} - \text{Rata}}\ x\ 100\%$$

$$\%RSD = \frac{0.009}{0.715}\ x\ 100\%$$

$$\%RSD = 1.26\%$$

Lampiran 12. Perhitungan Kadar Obat Sirup *Cetirizine Hydrochloride* pada Suhu Ruang

Hari Ke-	Absorbansi	Perhitungan
S1		
0	0.486	Konsentrasi: $y = 0.0482x - 0.0299$ $x = \frac{0.486 + 0.0299}{0.0482}$ $x = \frac{0.5159}{0.0482} = 10.70\ ppm$ %Kadar Cetirizine HCl: $\frac{\text{Konsentrasi } \left(\frac{\text{mg}}{\text{L}}\right) x\ Volume\ Total\ Sampel\ (L) x\ FP}{\text{Berat Sampel (mg)}}$ $\%Kadar = \frac{10.70\ x\ 0.1\ x\ 10}{10} = 107\%$
7	0.466	Konsentrasi: $y = 0.0482x - 0.0299$ $x = \frac{0.466 + 0.0299}{0.0482}$ $x = \frac{0.4959}{0.0482} = 10.29\ ppm$ %Kadar Cetirizine HCl: $\frac{\text{Konsentrasi } \left(\frac{\text{mg}}{\text{L}}\right) x\ Volume\ Total\ Sampel\ (L) x\ FP}{\text{Berat Sampel (mg)}}$ $\%Kadar = \frac{10.29\ x\ 0.1\ x\ 10}{10} = 102.9\%$

14	0.457	Konsentrasi: $$y = 0.0482x - 0.0299$$ $$x = \frac{0.457 + 0.0299}{0.0482}$$ $$x = \frac{0.4869}{0.0482} = 10.10\ ppm$$ %Kadar Cetirizine HCl: $$\frac{\text{Konsentrasi } \left(\frac{\text{mg}}{\text{L}}\right) x\ Volume\ Total\ Sampel\ (L) x\ FP}{\text{Berat Sampel (mg)}}$$ $$\%Kadar = \frac{10.10\ x\ 0.1\ x\ 10}{10} = 101\%$$
21	0.440	Konsentrasi: $$y = 0.0482x - 0.0299$$ $$x = \frac{0.440 + 0.0299}{0.0482}$$ $$x = \frac{0.4699}{0.0482} = 9.75\ ppm$$ %Kadar Cetirizine HCl: $$\frac{\text{Konsentrasi } \left(\frac{\text{mg}}{\text{L}}\right) x\ Volume\ Total\ Sampel\ (L) x\ FP}{\text{Berat Sampel (mg)}}$$ $$\%Kadar = \frac{9.75\ x\ 0.1\ x\ 10}{10} = 97.5\%$$
28	0.435	Konsentrasi: $$y = 0.0482x - 0.0299$$ $$x = \frac{0.435 + 0.0299}{0.0482}$$ $$x = \frac{0.4649}{0.0482} = 9.64\ ppm$$ %Kadar Cetirizine HCl: $$\frac{\text{Konsentrasi } \left(\frac{\text{mg}}{\text{L}}\right) x\ Volume\ Total\ Sampel\ (L) x\ FP}{\text{Berat Sampel (mg)}}$$ $$\%Kadar = \frac{9.64\ x\ 0.1\ x\ 10}{10} = 96.4\%$$
35	0.418	Konsentrasi: $$y = 0.0482x - 0.0299$$

		$$x = \frac{0.418 + 0.0299}{0.0482}$$ $$x = \frac{0.4479}{0.0482} = 9.29\ ppm$$ %Kadar Cetirizine HCl: $$\frac{\text{Konsentrasi } \left(\frac{mg}{L}\right) x\ Volume\ Total\ Sampel\ (L) x\ FP}{\text{Berat Sampel (mg)}}$$ $$\%Kadar = \frac{9.29\ x\ 0.1\ x\ 10}{10} = 92.9\%$$
S2		
0	0.503	Konsentrasi: $$y = 0.0482x - 0.0299$$ $$x = \frac{0.503 + 0.0299}{0.0482}$$ $$x = \frac{0.5329}{0.0482} = 11.06\ ppm$$ %Kadar Cetirizine HCl: $$\frac{\text{Konsentrasi } \left(\frac{mg}{L}\right) x\ Volume\ Total\ Sampel\ (L) x\ FP}{\text{Berat Sampel (mg)}}$$ $$\%Kadar = \frac{11.06\ x\ 0.1\ x\ 10}{10} = 110.6\%$$
7	0.472	Konsentrasi: $$y = 0.0482x - 0.0299$$ $$x = \frac{0.472 + 0.0299}{0.0482}$$ $$x = \frac{0.5019}{0.0482} = 10.40\ ppm$$ %Kadar Cetirizine HCl: $$\frac{\text{Konsentrasi } \left(\frac{mg}{L}\right) x\ Volume\ Total\ Sampel\ (L) x\ FP}{\text{Berat Sampel (mg)}}$$ $$\%Kadar = \frac{10.40\ x\ 0.1\ x\ 10}{10} = 104\%$$
14	0.459	Konsentrasi: $$y = 0.0482x - 0.0299$$ $$x = \frac{0.459 + 0.0299}{0.0482}$$

		$$x = \frac{0.4889}{0.0482} = 10.14\ ppm$$ %Kadar Cetirizine HCl: $$\frac{\text{Konsentrasi } \left(\frac{\text{mg}}{\text{L}}\right) x\ Volume\ Total\ Sampel\ (L) x\ FP}{\text{Berat Sampel (mg)}}$$ $$\%Kadar = \frac{10.14\ x\ 0.1\ x\ 10}{10} = 101.4\%$$
21	0.441	Konsentrasi: $$y = 0.0482x - 0.0299$$ $$x = \frac{0.441 + 0.0299}{0.0482}$$ $$x = \frac{0.4709}{0.0482} = 9.77\ ppm$$ %Kadar Cetirizine HCl: $$\frac{\text{Konsentrasi } \left(\frac{\text{mg}}{\text{L}}\right) x\ Volume\ Total\ Sampel\ (L) x\ FP}{\text{Berat Sampel (mg)}}$$ $$\%Kadar = \frac{9.77\ x\ 0.1\ x\ 10}{10} = 97.7\%$$
28	0.437	Konsentrasi: $$y = 0.0482x - 0.0299$$ $$x = \frac{0.437 + 0.0299}{0.0482}$$ $$x = \frac{0.4669}{0.0482} = 9.69\ ppm$$ %Kadar Cetirizine HCl: $$\frac{\text{Konsentrasi } \left(\frac{\text{mg}}{\text{L}}\right) x\ Volume\ Total\ Sampel\ (L) x\ FP}{\text{Berat Sampel (mg)}}$$ $$\%Kadar = \frac{9.69\ x\ 0.1\ x\ 10}{10} = 96.9\ \%$$
35	0.418	Konsentrasi: $$y = 0.0482x - 0.0299$$ $$x = \frac{0.418 + 0.0299}{0.0482}$$ $$x = \frac{0.4479}{0.0482} = 9.29\ ppm$$ %Kadar Cetirizine HCl:

		$\%Kadar = \frac{\frac{\text{Konsentrasi } \left(\frac{\text{mg}}{\text{L}}\right) x\ Volume\ Total\ Sampel\ (L) x\ FP}{\text{Berat Sampel (mg)}}}{10} = 92.9\%$
S3		
0	0.522	Konsentrasi: $y = 0.0482x - 0.0299$ $x = \frac{0.522 + 0.0299}{0.0482}$ $x = \frac{0.5519}{0.0482} = 11.44\ ppm$ %Kadar Cetirizine HCl: $\%Kadar = \frac{\frac{\text{Konsentrasi } \left(\frac{\text{mg}}{\text{L}}\right) x\ Volume\ Total\ Sampel\ (L) x\ FP}{\text{Berat Sampel (mg)}}}{10} = 114.4\%$
7	0.496	Konsentrasi: $y = 0.0482x - 0.0299$ $x = \frac{0.496 + 0.0299}{0.0482}$ $x = \frac{0.5259}{0.0482} = 10.91\ ppm$ %Kadar Cetirizine HCl: $\%Kadar = \frac{\frac{\text{Konsentrasi } \left(\frac{\text{mg}}{\text{L}}\right) x\ Volume\ Total\ Sampel\ (L) x\ FP}{\text{Berat Sampel (mg)}}}{10} = 109.1\%$
14	0.479	Konsentrasi: $y = 0.0482x - 0.0299$ $x = \frac{0.479 + 0.0299}{0.0482}$ $x = \frac{0.5089}{0.0482} = 10.56\ ppm$ %Kadar Cetirizine HCl:

		$\frac{\text{Konsentrasi } \left(\frac{\text{mg}}{\text{L}}\right) x\ Volume\ Total\ Sampel\ (L) x\ FP}{\text{Berat Sampel (mg)}}$ $\%Kadar = \frac{10.56\ x\ 0.1\ x\ 10}{10} = 105.6\%$
21	0.465	Konsentrasi: $y = 0.0482x - 0.0299$ $x = \frac{0.465 + 0.0299}{0.0482}$ $x = \frac{0.4949}{0.0482} = 10.27\ ppm$ %Kadar Cetirizine HCl: $\frac{\text{Konsentrasi } \left(\frac{\text{mg}}{\text{L}}\right) x\ Volume\ Total\ Sampel\ (L) x\ FP}{\text{Berat Sampel (mg)}}$ $\%Kadar = \frac{10.27\ x\ 0.1\ x\ 10}{10} = 102.7\%$
28	0.448	Konsentrasi: $y = 0.0482x - 0.0299$ $x = \frac{0.448 + 0.0299}{0.0482}$ $x = \frac{0.4749}{0.0482} = 9.91\ ppm$ %Kadar Cetirizine HCl: $\frac{\text{Konsentrasi } \left(\frac{\text{mg}}{\text{L}}\right) x\ Volume\ Total\ Sampel\ (L) x\ FP}{\text{Berat Sampel (mg)}}$ $\%Kadar = \frac{9.91\ x\ 0.1\ x\ 10}{10} = 99.1\%$
35	0.417	Konsentrasi: $y = 0.0482x - 0.0299$ $x = \frac{0.417 + 0.0299}{0.0482}$ $x = \frac{0.4469}{0.0482} = 9.27\ ppm$ %Kadar Cetirizine HCl: $\frac{\text{Konsentrasi } \left(\frac{\text{mg}}{\text{L}}\right) x\ Volume\ Total\ Sampel\ (L) x\ FP}{\text{Berat Sampel (mg)}}$

		$\%Kadar = \frac{9.27\ x\ 0.1\ x\ 10}{10} = 92.7\%$
S4		
0	0.509	Konsentrasi: $y = 0.0482x - 0.0299$ $x = \frac{0.509 + 0.0299}{0.0482}$ $x = \frac{0.5389}{0.0482} = 11.18\ ppm$ %Kadar Cetirizine HCl: $\frac{\text{Konsentrasi } \left(\frac{mg}{L}\right) x\ Volume\ Total\ Sampel\ (L) x\ FP}{\text{Berat Sampel (mg)}}$ $\%Kadar = \frac{11.18\ x\ 0.1\ x\ 10}{10} = 111.8\%$
7	0.499	Konsentrasi: $y = 0.0482x - 0.0299$ $x = \frac{0.499 + 0.0299}{0.0482}$ $x = \frac{0.45289}{0.0482} = 10.97\ ppm$ %Kadar Cetirizine HCl: $\frac{\text{Konsentrasi } \left(\frac{mg}{L}\right) x\ Volume\ Total\ Sampel\ (L) x\ FP}{\text{Berat Sampel (mg)}}$ $\%Kadar = \frac{10.97\ x\ 0.1\ x\ 10}{10} = 109.7\%$
14	0.485	Konsentrasi: $y = 0.0482x - 0.0299$ $x = \frac{0.485 + 0.0299}{0.0482}$ $x = \frac{0.5149}{0.0482} = 10.68\ ppm$ %Kadar Cetirizine HCl: $\frac{\text{Konsentrasi } \left(\frac{mg}{L}\right) x\ Volume\ Total\ Sampel\ (L) x\ FP}{\text{Berat Sampel (mg)}}$ $\%Kadar = \frac{10.68\ x\ 0.1\ x\ 10}{10} = 106.8\%$
21	0.453	Konsentrasi:

		$$y = 0.0482x - 0.0299$$ $$x = \frac{0.453 + 0.0299}{0.0482}$$ $$x = \frac{0.4829}{0.0482} = 10.02\ ppm$$ %Kadar Cetirizine HCl: $$\%Kadar = \frac{\text{Konsentrasi } \left(\frac{mg}{L}\right) x\ Volume\ Total\ Sampel\ (L) x\ FP}{\text{Berat Sampel (mg)}}$$ $$\%Kadar = \frac{10.02\ x\ 0.1\ x\ 10}{10} = 100.2\%$$
28	0.445	Konsentrasi: $$y = 0.0482x - 0.0299$$ $$x = \frac{0.445 + 0.0299}{0.0482}$$ $$x = \frac{0.4749}{0.0482} = 9.85\ ppm$$ %Kadar Cetirizine HCl: $$\%Kadar = \frac{\text{Konsentrasi } \left(\frac{mg}{L}\right) x\ Volume\ Total\ Sampel\ (L) x\ FP}{\text{Berat Sampel (mg)}}$$ $$\%Kadar = \frac{9.85\ x\ 0.1\ x\ 10}{10} = 98.5\%$$
35	0.431	Konsentrasi: $$y = 0.0482x - 0.0299$$ $$x = \frac{0.431 + 0.0299}{0.0482}$$ $$x = \frac{0.4609}{0.0482} = 9.56\ ppm$$ %Kadar Cetirizine HCl: $$\%Kadar = \frac{\text{Konsentrasi } \left(\frac{mg}{L}\right) x\ Volume\ Total\ Sampel\ (L) x\ FP}{\text{Berat Sampel (mg)}}$$ $$\%Kadar = \frac{9.56\ x\ 0.1\ x\ 10}{10} = 95.6\%$$
S5		
0	0.509	Konsentrasi: $$y = 0.0482x - 0.0299$$

		$$x = \frac{0.509 + 0.0299}{0.0482}$$ $$x = \frac{0.5389}{0.0482} = 11.18\ ppm$$ %Kadar Cetirizine HCl: $$\frac{\text{Konsentrasi } \left(\frac{mg}{L}\right) x\ Volume\ Total\ Sampel\ (L) x\ FP}{\text{Berat Sampel (mg)}}$$ $$\%Kadar = \frac{11.18\ x\ 0.1\ x\ 10}{10} = 111.8\%$$
7	0.491	Konsentrasi: $$y = 0.0482x - 0.0299$$ $$x = \frac{0.491 + 0.0299}{0.0482}$$ $$x = \frac{0.5209}{0.0482} = 10.80\ ppm$$ %Kadar Cetirizine HCl: $$\frac{\text{Konsentrasi } \left(\frac{mg}{L}\right) x\ Volume\ Total\ Sampel\ (L) x\ FP}{\text{Berat Sampel (mg)}}$$ $$\%Kadar = \frac{10.80\ x\ 0.1\ x\ 10}{10} = 108\%$$
14	0.482	Konsentrasi: $$y = 0.0482x - 0.0299$$ $$x = \frac{0.482 + 0.0299}{0.0482}$$ $$x = \frac{0.5209}{0.0482} = 10.62\ ppm$$ %Kadar Cetirizine HCl: $$\frac{\text{Konsentrasi } \left(\frac{mg}{L}\right) x\ Volume\ Total\ Sampel\ (L) x\ FP}{\text{Berat Sampel (mg)}}$$ $$\%Kadar = \frac{10.62\ x\ 0.1\ x\ 10}{10} = 106.2\%$$
21	0.450	Konsentrasi: $$y = 0.0482x - 0.0299$$ $$x = \frac{0.450 + 0.0299}{0.0482}$$

		$$x = \frac{0.4799}{0.0482} = 9.95\ ppm$$ %Kadar Cetirizine HCl: $$\frac{\text{Konsentrasi } \left(\frac{\text{mg}}{\text{L}}\right) x\ Volume\ Total\ Sampel\ (L) x\ FP}{\text{Berat Sampel (mg)}}$$ $$\%Kadar = \frac{9.954\ x\ 0.1\ x\ 10}{10} = 99.5\%$$
28	0.445	Konsentrasi: $$y = 0.0482x - 0.0299$$ $$x = \frac{0.445 + 0.0299}{0.0482}$$ $$x = \frac{0.4749}{0.0482} = 9.85\ ppm$$ %Kadar Cetirizine HCl: $$\frac{\text{Konsentrasi } \left(\frac{\text{mg}}{\text{L}}\right) x\ Volume\ Total\ Sampel\ (L) x\ FP}{\text{Berat Sampel (mg)}}$$ $$\%Kadar = \frac{9.85\ x\ 0.1\ x\ 10}{10} = 98.5\%$$
35	0.433	Konsentrasi: $$y = 0.0482x - 0.0299$$ $$x = \frac{0.433 + 0.0299}{0.0482}$$ $$x = \frac{0.4629}{0.0482} = 9.60\ ppm$$ %Kadar Cetirizine HCl: $$\frac{\text{Konsentrasi } \left(\frac{\text{mg}}{\text{L}}\right) x\ Volume\ Total\ Sampel\ (L) x\ FP}{\text{Berat Sampel (mg)}}$$ $$\%Kadar = \frac{9.60\ x\ 0.1\ x\ 10}{10} = 96\%$$
S6		
0	0.464	Konsentrasi: $$y = 0.0482x - 0.0299$$ $$x = \frac{0.464 + 0.0299}{0.0482}$$ $$x = \frac{0.4939}{0.0482} = 10.25\ ppm$$

		%Kadar Cetirizine HCl: $\%Kadar = \frac{10.25\ x\ 0.1\ x\ 10}{10} = 102.5\%$
7	0.458	Konsentrasi: $y = 0.0482x - 0.0299$ $x = \frac{0.458 + 0.0299}{0.0482}$ $x = \frac{0.4879}{0.0482} = 10.12\ ppm$ %Kadar Cetirizine HCl: $\%Kadar = \frac{10.12\ x\ 0.1\ x\ 10}{10} = 101.2\%$
14	0.448	Konsentrasi: $y = 0.0482x - 0.0299$ $x = \frac{0.448 + 0.0299}{0.0482}$ $x = \frac{0.4779}{0.0482} = 9.91\ ppm$ %Kadar Cetirizine HCl: $\%Kadar = \frac{9.91\ x\ 0.1\ x\ 10}{10} = 99.1\%$
21	0.436	Konsentrasi: $y = 0.0482x - 0.0299$ $x = \frac{0.436 + 0.0299}{0.0482}$ $x = \frac{0.4659}{0.0482} = 9.66\ ppm$ %Kadar Cetirizine HCl:

		$\frac{\text{Konsentrasi } \left(\frac{\text{mg}}{\text{L}}\right) x\ Volume\ Total\ Sampel\ (L) x\ FP}{\text{Berat Sampel (mg)}}$ $\%Kadar = \frac{9.66\ x\ 0.1\ x\ 10}{10} = 96.6\%$
28	0.432	Konsentrasi: $y = 0.0482x - 0.0299$ $x = \frac{0.432 + 0.0299}{0.0482}$ $x = \frac{0.4619}{0.0482} = 9.59\ ppm$ %Kadar Cetirizine HCl: $\frac{\text{Konsentrasi } \left(\frac{\text{mg}}{\text{L}}\right) x\ Volume\ Total\ Sampel\ (L) x\ FP}{\text{Berat Sampel (mg)}}$ $\%Kadar = \frac{9.59\ x\ 0.1\ x\ 10}{10} = 95.9\%$
35	0.427	Konsentrasi: $y = 0.0482x - 0.0299$ $x = \frac{0.427 + 0.0299}{0.0482}$ $x = \frac{0.4569}{0.0482} = 9.48\ ppm$ %Kadar Cetirizine HCl: $\frac{\text{Konsentrasi } \left(\frac{\text{mg}}{\text{L}}\right) x\ Volume\ Total\ Sampel\ (L) x\ FP}{\text{Berat Sampel (mg)}}$ $\%Kadar = \frac{9.48\ x\ 0.1\ x\ 10}{10} = 94.8\%$

Lampiran 13. Perhitungan Kadar Obat Sirup *Cetirizine Hydrochloride* pada Suhu Sejuk

Hari Ke-	Absorbansi	Perhitungan
S1		
0	0.482	Konsentrasi: $y = 0.0482x - 0.0299$ $x = \frac{0.482 + 0.0299}{0.0482}$

		$$x = \frac{0.5119}{0.0482} = 10.62\ ppm$$ %Kadar Cetirizine HCl: $$\frac{\text{Konsentrasi } \left(\frac{\text{mg}}{\text{L}}\right) x\ Volume\ Total\ Sampel\ (L) x\ FP}{\text{Berat Sampel (mg)}}$$ $$\%Kadar = \frac{10.62\ x\ 0.1\ x\ 10}{10} = 106.2\%$$
7	0.478	Konsentrasi: $$y = 0.0482x - 0.0299$$ $$x = \frac{0.478 + 0.0299}{0.0482}$$ $$x = \frac{0.5079}{0.0482} = 10.54\ ppm$$ %Kadar Cetirizine HCl: $$\frac{\text{Konsentrasi } \left(\frac{\text{mg}}{\text{L}}\right) x\ Volume\ Total\ Sampel\ (L) x\ FP}{\text{Berat Sampel (mg)}}$$ $$\%Kadar = \frac{10.54\ x\ 0.1\ x\ 10}{10} = 105.4\%$$
14	0.468	Konsentrasi: $$y = 0.0482x - 0.0299$$ $$x = \frac{0.468 + 0.0299}{0.0482}$$ $$x = \frac{0.49779}{0.0482} = 10.33\ ppm$$ %Kadar Cetirizine HCl: $$\frac{\text{Konsentrasi } \left(\frac{\text{mg}}{\text{L}}\right) x\ Volume\ Total\ Sampel\ (L) x\ FP}{\text{Berat Sampel (mg)}}$$ $$\%Kadar = \frac{10.33\ x\ 0.1\ x\ 10}{10} = 103.3\%$$
21	0.449	Konsentrasi: $$y = 0.0482x - 0.0299$$ $$x = \frac{0.449 + 0.0299}{0.0482}$$ $$x = \frac{0.4789}{0.0482} = 9.92\ ppm$$

		%Kadar Cetirizine HCl: $\frac{\text{Konsentrasi } \left(\frac{\text{mg}}{\text{L}}\right) x\ Volume\ Total\ Sampel\ (L) x\ FP}{\text{Berat Sampel (mg)}}$ $\%Kadar = \frac{9.92\ x\ 0.1\ x\ 10}{10} = 99.2\%$
28	0.433	Konsentrasi: $y = 0.0482x - 0.0299$ $x = \frac{0.433 + 0.0299}{0.0482}$ $x = \frac{0.4629}{0.0482} = 9.62\ ppm$ %Kadar Cetirizine HCl: $\frac{\text{Konsentrasi } \left(\frac{\text{mg}}{\text{L}}\right) x\ Volume\ Total\ Sampel\ (L) x\ FP}{\text{Berat Sampel (mg)}}$ $\%Kadar = \frac{9.62\ x\ 0.1\ x\ 10}{10} = 96.2\%$
35	0.423	Konsentrasi: $y = 0.0482x - 0.0299$ $x = \frac{0.423 + 0.0299}{0.0482}$ $x = \frac{0.4529}{0.0482} = 9.40\ ppm$ %Kadar Cetirizine HCl: $\frac{\text{Konsentrasi } \left(\frac{\text{mg}}{\text{L}}\right) x\ Volume\ Total\ Sampel\ (L) x\ FP}{\text{Berat Sampel (mg)}}$ $\%Kadar = \frac{9.40\ x\ 0.1\ x\ 10}{10} = 94\%$
S2		
0	0.477	Konsentrasi: $y = 0.0482x - 0.0299$ $x = \frac{0.477 + 0.0299}{0.0482}$ $x = \frac{0.5069}{0.0482} = 10.52\ ppm$ %Kadar Cetirizine HCl:

		$\%Kadar = \frac{\text{Konsentrasi } \left(\frac{\text{mg}}{\text{L}}\right) x\ Volume\ Total\ Sampel\ (L) x\ FP}{\text{Berat Sampel (mg)}}$ $\%Kadar = \frac{10.52\ x\ 0.1\ x\ 10}{10} = 105.2\%$
7	0.453	Konsentrasi: $y = 0.0482x - 0.0299$ $x = \frac{0.453 + 0.0299}{0.0482}$ $x = \frac{0.4829}{0.0482} = 10.01\ ppm$ %Kadar Cetirizine HCl: $\%Kadar = \frac{\text{Konsentrasi } \left(\frac{\text{mg}}{\text{L}}\right) x\ Volume\ Total\ Sampel\ (L) x\ FP}{\text{Berat Sampel (mg)}}$ $\%Kadar = \frac{10.01\ x\ 0.1\ x\ 10}{10} = 100.1\%$
14	0.437	Konsentrasi: $y = 0.0482x - 0.0299$ $x = \frac{0.437 + 0.0299}{0.0482}$ $x = \frac{0.4669}{0.0482} = 9.69\ ppm$ %Kadar Cetirizine HCl: $\%Kadar = \frac{\text{Konsentrasi } \left(\frac{\text{mg}}{\text{L}}\right) x\ Volume\ Total\ Sampel\ (L) x\ FP}{\text{Berat Sampel (mg)}}$ $\%Kadar = \frac{9.69\ x\ 0.1\ x\ 10}{10} = 96.9\%$
21	0.424	Konsentrasi: $y = 0.0482x - 0.0299$ $x = \frac{0.424 + 0.0299}{0.0482}$ $x = \frac{0.4539}{0.0482} = 9.43\ ppm$ %Kadar Cetirizine HCl: $\%Kadar = \frac{\text{Konsentrasi } \left(\frac{\text{mg}}{\text{L}}\right) x\ Volume\ Total\ Sampel\ (L) x\ FP}{\text{Berat Sampel (mg)}}$

		$\%Kadar = \frac{9.43\ x\ 0.1\ x\ 10}{10} = 94.3\%$
28	0.406	Konsentrasi: $y = 0.0482x - 0.0299$ $x = \frac{0.406 + 0.0299}{0.0482}$ $x = \frac{0.4359}{0.0482} = 9.04\ ppm$ %Kadar Cetirizine HCl: $\frac{\text{Konsentrasi } \left(\frac{mg}{L}\right) x\ Volume\ Total\ Sampel\ (L) x\ FP}{\text{Berat Sampel (mg)}}$ $\%Kadar = \frac{9.04\ x\ 0.1\ x\ 10}{10} = 90.4\%$
35	0.402	Konsentrasi: $y = 0.0482x - 0.0299$ $x = \frac{0.402 + 0.0299}{0.0482}$ $x = \frac{0.4319}{0.0482} = 8.96\ ppm$ %Kadar Cetirizine HCl: $\frac{\text{Konsentrasi } \left(\frac{mg}{L}\right) x\ Volume\ Total\ Sampel\ (L) x\ FP}{\text{Berat Sampel (mg)}}$ $\%Kadar = \frac{8.96\ x\ 0.1\ x\ 10}{10} = 89.6\%$
S3		
0	0.481	Konsentrasi: $y = 0.0482x - 0.0299$ $x = \frac{0.481 + 0.0299}{0.0482}$ $x = \frac{0.5109}{0.0482} = 10.60\ ppm$ %Kadar Cetirizine HCl: $\frac{\text{Konsentrasi } \left(\frac{mg}{L}\right) x\ Volume\ Total\ Sampel\ (L) x\ FP}{\text{Berat Sampel (mg)}}$ $\%Kadar = \frac{10.60\ x\ 0.1\ x\ 10}{10} = 106\%$
7	0.475	Konsentrasi:

		$$y = 0.0482x - 0.0299$$ $$x = \frac{0.475 + 0.0299}{0.0482}$$ $$x = \frac{0.5049}{0.0482} = 10.47\ ppm$$ %Kadar Cetirizine HCl: $$\frac{\text{Konsentrasi } \left(\frac{mg}{L}\right) x\ Volume\ Total\ Sampel\ (L) x\ FP}{\text{Berat Sampel (mg)}}$$ $$\%Kadar = \frac{10.47\ x\ 0.1\ x\ 10}{10} = 104.7\%$$
14	0.466	Konsentrasi: $$y = 0.0482x - 0.0299$$ $$x = \frac{0.466 + 0.0299}{0.0482}$$ $$x = \frac{0.4959}{0.0482} = 10.29\ ppm$$ %Kadar Cetirizine HCl: $$\frac{\text{Konsentrasi } \left(\frac{mg}{L}\right) x\ Volume\ Total\ Sampel\ (L) x\ FP}{\text{Berat Sampel (mg)}}$$ $$\%Kadar = \frac{10.29\ x\ 0.1\ x\ 10}{10} = 102.9\%$$
21	0.451	Konsentrasi: $$y = 0.0482x - 0.0299$$ $$x = \frac{0.451 + 0.0299}{0.0482}$$ $$x = \frac{0.4809}{0.0482} = 9.97\ ppm$$ %Kadar Cetirizine HCl: $$\frac{\text{Konsentrasi } \left(\frac{mg}{L}\right) x\ Volume\ Total\ Sampel\ (L) x\ FP}{\text{Berat Sampel (mg)}}$$ $$\%Kadar = \frac{9.97\ x\ 0.1\ x\ 10}{10} = 99.7\%$$
28	0.416	Konsentrasi: $$y = 0.0482x - 0.0299$$ $$x = \frac{0.416 + 0.0299}{0.0482}$$

		$$x = \frac{0.4459}{0.0482} = 9.26\ ppm$$ %Kadar Cetirizine HCl: $$\frac{\text{Konsentrasi } \left(\frac{\text{mg}}{\text{L}}\right) x\ Volume\ Total\ Sampel\ (L) x\ FP}{\text{Berat Sampel (mg)}}$$ $$\%Kadar = \frac{9.26\ x\ 0.1\ x\ 10}{10} = 92.6\%$$
35	0.388	Konsentrasi: $$y = 0.0482x - 0.0299$$ $$x = \frac{0.388 + 0.0299}{0.0482}$$ $$x = \frac{0.4179}{0.0482} = 8.67\ ppm$$ %Kadar Cetirizine HCl: $$\frac{\text{Konsentrasi } \left(\frac{\text{mg}}{\text{L}}\right) x\ Volume\ Total\ Sampel\ (L) x\ FP}{\text{Berat Sampel (mg)}}$$ $$\%Kadar = \frac{8.67\ x\ 0.1\ x\ 10}{10} = 86.7\%$$
S4		
0	0.502	Konsentrasi: $$y = 0.0482x - 0.0299$$ $$x = \frac{0.502 + 0.0299}{0.0482}$$ $$x = \frac{0.5319}{0.0482} = 11.02\ ppm$$ %Kadar Cetirizine HCl: $$\frac{\text{Konsentrasi } \left(\frac{\text{mg}}{\text{L}}\right) x\ Volume\ Total\ Sampel\ (L) x\ FP}{\text{Berat Sampel (mg)}}$$ $$\%Kadar = \frac{11.02\ x\ 0.1\ x\ 10}{10} = 110.2\%$$
7	0.476	Konsentrasi: $$y = 0.0482x - 0.0299$$ $$x = \frac{0.476 + 0.0299}{0.0482}$$ $$x = \frac{0.5059}{0.0482} = 10.49\ ppm$$

		%Kadar Cetirizine HCl: $\%Kadar = \frac{10.49\ x\ 0.1\ x\ 10}{10} = 104.9\%$
14	0.461	Konsentrasi: $y = 0.0482x - 0.0299$ $x = \frac{0.461 + 0.0299}{0.0482}$ $x = \frac{0.4909}{0.0482} = 10.21\ ppm$ %Kadar Cetirizine HCl: $\%Kadar = \frac{10.21\ x\ 0.1\ x\ 10}{10} = 102.1\%$
21	0.453	Konsentrasi: $y = 0.0482x - 0.0299$ $x = \frac{0.453 + 0.0299}{0.0482}$ $x = \frac{0.4829}{0.0482} = 10.01\ ppm$ %Kadar Cetirizine HCl: $\%Kadar = \frac{10.01\ x\ 0.1\ x\ 10}{10} = 100.1\%$
28	0.416	Konsentrasi: $y = 0.0482x - 0.0299$ $x = \frac{0.416 + 0.0299}{0.0482}$ $x = \frac{0.4459}{0.0482} = 9.25\ ppm$ %Kadar Cetirizine HCl:

		$\frac{\text{Konsentrasi } \left(\frac{\text{mg}}{\text{L}}\right) x\ Volume\ Total\ Sampel\ (L) x\ FP}{\text{Berat Sampel (mg)}}$ $\%Kadar = \frac{9.25\ x\ 0.1\ x\ 10}{10} = 92.5\%$
35	0.395	Konsentrasi: $y = 0.0482x - 0.0299$ $x = \frac{0.395 + 0.0299}{0.0482}$ $x = \frac{0.4249}{0.0482} = 8.81\ ppm$ %Kadar Cetirizine HCl: $\frac{\text{Konsentrasi } \left(\frac{\text{mg}}{\text{L}}\right) x\ Volume\ Total\ Sampel\ (L) x\ FP}{\text{Berat Sampel (mg)}}$ $\%Kadar = \frac{8.81\ x\ 0.1\ x\ 10}{10} = 88.1\%$
S5		
0	0.486	Konsentrasi: $y = 0.0482x - 0.0299$ $x = \frac{0.486 + 0.0299}{0.0482}$ $x = \frac{0.5159}{0.0482} = 10.70\ ppm$ %Kadar Cetirizine HCl: $\frac{\text{Konsentrasi } \left(\frac{\text{mg}}{\text{L}}\right) x\ Volume\ Total\ Sampel\ (L) x\ FP}{\text{Berat Sampel (mg)}}$ $\%Kadar = \frac{10.70\ x\ 0.1\ x\ 10}{10} = 107\%$
7	0.479	Konsentrasi: $y = 0.0482x - 0.0299$ $x = \frac{0.479 + 0.0299}{0.0482}$ $x = \frac{0.5089}{0.0482} = 10.56\ ppm$ %Kadar Cetirizine HCl:

		$\%Kadar = \frac{\text{Konsentrasi } \left(\frac{\text{mg}}{\text{L}}\right) x\ Volume\ Total\ Sampel\ (L) x\ FP}{\text{Berat Sampel (mg)}}$ $\%Kadar = \frac{10.56\ x\ 0.1\ x\ 10}{10} = 105.6\%$
14	0.462	Konsentrasi: $y = 0.0482x - 0.0299$ $x = \frac{0.462 + 0.0299}{0.0482}$ $x = \frac{0.4919}{0.0482} = 10.23\ ppm$ %Kadar Cetirizine HCl: $\%Kadar = \frac{\text{Konsentrasi } \left(\frac{\text{mg}}{\text{L}}\right) x\ Volume\ Total\ Sampel\ (L) x\ FP}{\text{Berat Sampel (mg)}}$ $\%Kadar = \frac{10.23\ x\ 0.1\ x\ 10}{10} = 102.3\%$
21	0.452	Konsentrasi: $y = 0.0482x - 0.0299$ $x = \frac{0.452 + 0.0299}{0.0482}$ $x = \frac{0.4819}{0.0482} = 9.99\ ppm$ %Kadar Cetirizine HCl: $\%Kadar = \frac{\text{Konsentrasi } \left(\frac{\text{mg}}{\text{L}}\right) x\ Volume\ Total\ Sampel\ (L) x\ FP}{\text{Berat Sampel (mg)}}$ $\%Kadar = \frac{9.99\ x\ 0.1\ x\ 10}{10} = 99.9\%$
28	0.412	Konsentrasi: $y = 0.0482x - 0.0299$ $x = \frac{0.412 + 0.0299}{0.0482}$ $x = \frac{0.4419}{0.0482} = 9.16\ ppm$ %Kadar Cetirizine HCl: $\%Kadar = \frac{\text{Konsentrasi } \left(\frac{\text{mg}}{\text{L}}\right) x\ Volume\ Total\ Sampel\ (L) x\ FP}{\text{Berat Sampel (mg)}}$

		$\%Kadar = \frac{9.16\ x\ 0.1\ x\ 10}{10} = 91.6\%$
35	0.390	Konsentrasi: $y = 0.0482x - 0.0299$ $x = \frac{0.390 + 0.0299}{0.0482}$ $x = \frac{0.4199}{0.0482} = 8.71\ ppm$ %Kadar Cetirizine HCl: $\frac{\text{Konsentrasi } \left(\frac{mg}{L}\right) x\ Volume\ Total\ Sampel\ (L) x\ FP}{\text{Berat Sampel (mg)}}$ $\%Kadar = \frac{8.71\ x\ 0.1\ x\ 10}{10} = 87.1\%$
S6		
0	0.537	Konsentrasi: $y = 0.0482x - 0.0299$ $x = \frac{0.537 + 0.0299}{0.0482}$ $x = \frac{0.5669}{0.0482} = 11.75\ ppm$ %Kadar Cetirizine HCl: $\frac{\text{Konsentrasi } \left(\frac{mg}{L}\right) x\ Volume\ Total\ Sampel\ (L) x\ FP}{\text{Berat Sampel (mg)}}$ $\%Kadar = \frac{11.75\ x\ 0.1\ x\ 10}{10} = 117.5\%$
7	0.501	Konsentrasi: $y = 0.0482x - 0.0299$ $x = \frac{0.501 + 0.0299}{0.0482}$ $x = \frac{0.5309}{0.0482} = 11.00\ ppm$ %Kadar Cetirizine HCl: $\frac{\text{Konsentrasi } \left(\frac{mg}{L}\right) x\ Volume\ Total\ Sampel\ (L) x\ FP}{\text{Berat Sampel (mg)}}$ $\%Kadar = \frac{11.00\ x\ 0.1\ x\ 10}{10} = 110\%$
14	0.482	Konsentrasi:

		$$y = 0.0482x - 0.0299$$ $$x = \frac{0.482 + 0.0299}{0.0482}$$ $$x = \frac{0.5119}{0.0482} = 10.62\ ppm$$ %Kadar Cetirizine HCl: $$\frac{\text{Konsentrasi } \left(\frac{mg}{L}\right) x\ Volume\ Total\ Sampel\ (L) x\ FP}{\text{Berat Sampel (mg)}}$$ $$\%Kadar = \frac{10.62\ x\ 0.1\ x\ 10}{10} = 106.2\%$$
21	0.466	Konsentrasi: $$y = 0.0482x - 0.0299$$ $$x = \frac{0.466 + 0.0299}{0.0482}$$ $$x = \frac{0.4959}{0.0482} = 10.29\ ppm$$ %Kadar Cetirizine HCl: $$\frac{\text{Konsentrasi } \left(\frac{mg}{L}\right) x\ Volume\ Total\ Sampel\ (L) x\ FP}{\text{Berat Sampel (mg)}}$$ $$\%Kadar = \frac{10.29\ x\ 0.1\ x\ 10}{10} = 102.9\%$$
28	0.453	Konsentrasi: $$y = 0.0482x - 0.0299$$ $$x = \frac{0.453 + 0.0299}{0.0482}$$ $$x = \frac{0.4829}{0.0482} = 10.01\ ppm$$ %Kadar Cetirizine HCl: $$\frac{\text{Konsentrasi } \left(\frac{mg}{L}\right) x\ Volume\ Total\ Sampel\ (L) x\ FP}{\text{Berat Sampel (mg)}}$$ $$\%Kadar = \frac{10.01\ x\ 0.1\ x\ 10}{10} = 100.1\%$$
35	0.424	Konsentrasi: $$y = 0.0482x - 0.0299$$ $$x = \frac{0.424 + 0.0299}{0.0482}$$

		$x = \frac{0.4539}{0.0482} = 9.41\ ppm$ %Kadar Cetirizine HCl: $\frac{\text{Konsentrasi } \left(\frac{\text{mg}}{\text{L}}\right) x\ Volume\ Total\ Sampel\ (L) x\ FP}{\text{Berat Sampel (mg)}}$ $\%Kadar = \frac{9.41\ x\ 0.1\ x\ 10}{10} = 94.1\%$

Lampiran 14. Penyimpanan Obat Pada Suhu Sejuk

Lampiran 15. Penyimpanan Obat Pada Suhu Ruang