

LAMPIRAN

Lampiran 1. Sertifikat Analisis Karbamazepin BPF1



BADAN POM RI

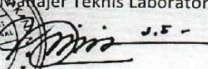
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SERTIFIKAT ANALISIS

NAMA ZAT	: CARBAMAZEPINE (KARBAMAZEPIN) BPF1		
NO KONTROL	: B0114324		
FORMULA	: C ₁₅ H ₁₂ N ₂ O		
BOBOT MOLEKUL	: 236,27 g/mol		
TUJUAN PENGGUNAAN	<ul style="list-style-type: none"> - Identifikasi secara spektrofotometri inframerah - Identifikasi secara kromatografi cair kinerja tinggi - Uji senyawa sejenis secara kromatografi cair kinerja tinggi - Penetapan kadar secara kromatografi cair kinerja tinggi 		
WADAH DAN PENYIMPANAN : Dalam wadah tertutup rapat, terlindung dari cahaya, pada suhu < 30°C.			



PENGUJIAN	ACUAN/METODE	SPESIFIKASI	HASIL
Pemerian		Serbuk putih sampai hampir putih	Memenuhi syarat
Identifikasi	Spektrofotometri inframerah (FI IV hal.169)	Sesuai dengan spektrum inframerah baku primer <i>Carbamazepine</i> USPRS no. Lot KOE209	Memenuhi syarat
	Kromatografi cair kinerja tinggi (Modifikasi USP 37 hal. 2120)	Sesuai dengan waktu retensi puncak utama baku primer <i>Carbamazepine</i> USPRS no. Lot KOE209	Memenuhi syarat
Susut pengeringan	(FI IV hal. 169)	-	0,24%
Titik lebur dan kemurnian	<i>Differential Scanning Calorimetry</i>	-	189,88°C Kemurnian 99,76 %
Uji senyawa sejenis	Kromatografi cair kinerja tinggi (Modifikasi USP 37 hal.2120, BP 2012 hal. 376-377)	<ul style="list-style-type: none"> - <i>Carbamazepine rel. comp.</i> A ≤ 0,2% - <i>Carbamazepine rel. comp.</i> B ≤ 0,2% - Tiap cemaran lain ≤ 0,2% - Total cemaran ≤ 0,5% 	<ul style="list-style-type: none"> - <i>Carbamazepine related compound A</i> = 0,012% - <i>Carbamazepine related compound B</i> = 0,003% - Cemaran total = 0,015%
Penetapan kadar	Kromatografi cair kinerja tinggi (Modifikasi USP 37 hal. 2120)	-	99,43%; Unc = 1,06%, k = 2

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U. b. Manajer Teknis Laboratorium Bahan Baku Pembanding


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Lampiran 2. Sertifikat Analisis Metanol


PT. SMART-LAB INDONESIA
 MANUFACTURER OF ANALYTICAL REAGENTS
 


CERTIFICATE OF ANALYSIS

Product Name : Methanol	Molecular Weight : 32.04 g/mol
Catalog No. : A-1056	Batch No. : 100122001
Grade : Analytical Reagent	Manufacturing Date : Januari 10, 2022
Formula : CH ₃ OH	Expire Date : Januari , 2025
Cas No : 67-56-1	Recommended for a plastic container for 24 month from the date of pouring (Expiry date corresponding to label)

NO.	ITEM TEST	UNITS	SPECIFICATION	RESULT
1.	Appearance	–	Clear colorless liquid	Clear colorless liquid
2.	Assay (GC)	wt %	min 99.8	99.958
3.	Wt. Per ml at 20 °C	g/cm ³	0.789 – 0.792	0.790
4.	Colour	Hazen	max 10	< 10
5.	Refractive Index	n _D ²⁰	1.327 – 1.330	1.329
6.	Water (H ₂ O)	wt %	max 0.1	0.0631
7.	Non-volatile matter	wt %	max 0.001	0.00070
8.	Acidity (as HCOOH)	wt %	max 0.001	0.00079
9.	Alkalinity (NH ₃)	wt %	max 0.0002	0.00017
10.	Ethanol (GC)	wt %	max 0.1	0.0243
11.	Acetone (GC)	wt %	max 0.001	NIL
12.	Acetaldehyde	wt %	max 0.001	< 0.001
13.	Formaldehyde	wt %	max 0.001	< 0.001
14.	Solubility in water	–	passes test	Passes test
15.	Substances darkened (by H ₂ SO ₄)	–	passes test	Passes test
16.	Substances Reducing KMnO ₄	–	passes tes	Passes test

Result : The above product corresponds to AR Grade
Reference or standard of product specification to Analar standard and ACS specification


PT. SMART LAB INDONESIA



SUDIROS S. SI
Head QC

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Lampiran 3. Sertifikat Analisis Natrium Klorida



Specification

1.06404.1000 Sodium chloride for analysis EMSURE® ACS,ISO,Reag. Ph Eur

Specification		
Assay (argentometric)	≥ 99.5	%
Assay (argentometric; calculated on dried substance)	99.0 - 100.5	%
Identity	passes test	
Appearance of solution	passes test	
Acidity or alkalinity	passes test	
pH-value (5 %; water)	5.0 - 8.0	
Insoluble matter	≤ 0.005	%
Bromide (Br)	≤ 0.005	%
Chlorate and Nitrate (as NO ₃)	≤ 0.003	%
Hexacyanoferrate II	≤ 0.0001	%
Ferrocyanides	passes test	
Iodide (I)	≤ 0.001	%
Iodide (I)	passes test	
Nitrite (NO ₂)	passes test	
Phosphate (PO ₄)	≤ 0.0005	%
Sulfate (SO ₄)	≤ 0.001	%
Total nitrogen (N)	≤ 0.0005	%
Heavy metals (as Pb)	≤ 0.0005	%
Heavy metals (ACS)	≤ 0.0005	%
As (Arsenic)	≤ 0.00004	%
Ba (Barium)	passes test	
Ba (Barium)	≤ 0.001	%
Ca (Calcium)	≤ 0.002	%
Cu (Copper)	≤ 0.0002	%
Fe (Iron)	≤ 0.0001	%
K (Potassium)	≤ 0.005	%
Mg (Magnesium)	≤ 0.001	%
Calcium, Magnesium and R ₂ O ₃ -precipitate	≤ 0.005	%
Magnesium and alkaline-earth metals (as Ca)	≤ 0.0100	%
Loss on drying (105 °C, 2 h)	≤ 0.5	%

Corresponds to ACS,ISO,Reag. Ph Eur



Dr. Hans Henning Brewitz
 Responsible laboratory manager quality control

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SALSA Version 632831 /000000000000/ Date: 20.09.2017

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Lampiran 4. Sertifikat Analisis Asam Asetat Glisial


PT. SMART-LAB INDONESIA
 MANUFACTURER OF ANALYTICAL REAGENTS
 


CERTIFICATE OF ANALYSIS

Product Name : Acetic acid glacial	Molecular Weight : 60.05 g/mol
Catalog No. : A-1001	Batch No. : 040521002
Grade : Analytical Reagent	Manufacturing Date : May 04, 2021
Formula : CH ₃ COOH	Expire Date : May, 2024
Cas No : 64-19-7	

NO	ITEM TEST	UNITS	SPECIFICATION	RESULT
1.	Appearance	–	Clear colourless	Clear Colourless
2.	Assay (acidimetric)	wt %	min 99.7	99.989
3.	Wt.per ml at 20 °C	g/cm ³	1.048 – 1.050	1.051
4.	Colour	1/2ozm	max 10	< 10
5.	Freezing point	°C	not below 16.2	16.2
6.	Water-insoluble matter	–	passes test	Passes test
7.	Water	wt %	max 0.2	0.1139
8.	Non-volatile matter	wt %	max 0.001	0.00070
9.	Acetic anhydride [(CH ₃ CO) ₂ O]	wt %	max 0.2	0.155
10.	Chloride (Cl)	wt %	max 0.0001	< 0.0001
11.	Formate (H.COO)	wt %	max 0.01	0.0081
12.	Sulphate (SO ₄)	wt %	max 0.0001	< 0.0001
13.	Copper (Cu)	wt %	max 0.000002	< 0.000002
14.	Iron (Fe)	wt %	max 0.00002	0.000015
15.	Heavy metals (as Pb)	wt %	max 0.00005	< 0.00005
16.	Substance reducing dichromate (O)	wt %	max 0.003	< 0.003

Result : The above product corresponds to AR, ACS Grade
Reference or standard of product specification to Analur standard and ACS specification


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Lampiran 5. Sertifikat Analisis Sodium Acetate Trihydrate



Certificate of Analysis

1.06267.0000 . Sodium acetate trihydrate for analysis EMSURE® ACS,ISO,Reag. Ph Eur
Batch AM1647267

	Spec. Values		Batch Values	
Assay (perchloric acid titration)	99.0 - 101.0	%	99.6	%
Assay (perchloric acid titration, calculated on dried substance)	99.0 - 101.0	%	99.7	%
Identity	passes test		passes test	
Appearance of solution	passes test		passes test	
Insoluble matter	≤ 0.005	%	≤ 0.005	%
pH-value (5 %; water)	7.5 - 9.0		8.8	
Chloride (Cl)	≤ 0.0005	%	≤ 0.0005	%
Phosphate (PO ₄)	≤ 0.0002	%	≤ 0.0002	%
Sulfate (SO ₄)	≤ 0.002	%	≤ 0.002	%
Total nitrogen (N)	≤ 0.001	%	≤ 0.001	%
Heavy metals (as Pb)	≤ 0.0005	%	≤ 0.0005	%
Al (Aluminium)	≤ 0.0005	%	≤ 0.0005	%
As (Arsenic)	≤ 0.0002	%	≤ 0.0002	%
Ca (Calcium)	≤ 0.001	%	≤ 0.001	%
Cu (Copper)	≤ 0.0003	%	≤ 0.0003	%
Fe (Iron)	≤ 0.0005	%	≤ 0.0005	%
K (Potassium)	≤ 0.005	%	≤ 0.005	%
Mg (Magnesium)	≤ 0.0005	%	≤ 0.0005	%
Pb (Lead)	≤ 0.0005	%	≤ 0.0005	%
Calcium and Magnesium (as Ca)	≤ 0.005	%	≤ 0.005	%
Substances reducing permanganate	passes test		passes test	
Reducing substances	≤ 0.005	%	≤ 0.005	%
Loss on drying (130 °C)	39.0 - 40.5	%	39.8	%
UV absorption (254 nm; 1 mol/l; 1 cm; water)	≤ 0.02		≤ 0.02	
UV absorption (280 nm; 1 mol/l; 1 cm; water)	≤ 0.01		≤ 0.01	
UV absorption (350 nm; 1 mol/l; 1 cm; water)	≤ 0.01		≤ 0.01	

Corresponds to ACS,ISO,Reag. Ph Eur

Date of release (DD.MM.YYYY) 30.09.2020
Minimum shelf life (DD.MM.YYYY) 30.09.2022


Claudia Wiegand
 Responsible laboratory manager quality control

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Lampiran 6. Sertifikat Analisis Potassium Dihydrogen Phosphate



Certificate of Analysis

1.04873.1000 Potassium dihydrogen phosphate for analysis EMSURE® ISO
Batch AM1605673

	Spec. Values		Batch Values	
Assay (alkalimetric, calculated on dried substance)	99.5 - 100.5	%	99.9	%
Assay (alkalimetric; dried substance)	≥ 99.5	%	99.8	%
pH-value (5 %; water)	4.2 - 4.5		4.3	
Chloride (Cl)	≤ 0.0005	%	≤ 0.0005	%
Sulfate (SO ₄)	≤ 0.003	%	≤ 0.003	%
Total nitrogen (N)	≤ 0.001	%	≤ 0.001	%
Heavy metals (as Pb)	≤ 0.0010	%	≤ 0.0010	%
As (Arsenic)	≤ 0.0002	%	≤ 0.0002	%
Cu (Copper)	≤ 0.0003	%	≤ 0.0003	%
Fe (Iron)	≤ 0.0010	%	≤ 0.0010	%
Na (Sodium)	≤ 0.02	%	≤ 0.02	%
Pb (Lead)	≤ 0.001	%	≤ 0.001	%
Reducing substances	passes test		passes test	
Loss on drying (110 °C)	≤ 0.2	%	< 0.1	%
Loss on drying (130 °C)	≤ 0.2	%	< 0.1	%

Corresponds to ISO

Date of release (DD.MM.YYYY) 23.06.2020
Minimum shelf life (DD.MM.YYYY) 30.06.2025


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Lampiran 7. Sertifikat Analisis Natrium Hidroksida



Certificate of Analysis

1.06498.0000 Sodium hydroxide pellets for analysis EMSURE@
 Batch MB1975398

	Spec. Values		Batch Values	
	Value	Unit	Value	Unit
Assay (acidimetric.NaOH)	≥ 99.0	%	99.4	%
Carbonate (as Na ₂ CO ₃)	≤ 1.0	%	0.3	%
Chloride (Cl)	≤ 0.012	%	≤ 0.012	%
Phosphate (PO ₄)	≤ 0.0005	%	≤ 0.0005	%
Silicate (SiO ₂)	≤ 0.001	%	≤ 0.001	%
Sulfate (SO ₄)	≤ 0.010	%	≤ 0.010	%
Total nitrogen (N)	≤ 0.0003	%	≤ 0.0003	%
Heavy metals (as Pb)	≤ 0.0005	%	≤ 0.0005	%
Al (Aluminium)	≤ 0.0005	%	≤ 0.0005	%
As (Arsenic)	≤ 0.0001	%	≤ 0.0001	%
Ca (Calcium)	≤ 0.0005	%	≤ 0.0005	%
Cu (Copper)	≤ 0.0002	%	≤ 0.0002	%
Fe (Iron)	≤ 0.0005	%	≤ 0.0005	%
K (Potassium)	≤ 0.050	%	0.005	%
Mg (Magnesium)	≤ 0.0005	%	≤ 0.0005	%
Ni (Nickel)	≤ 0.00025	%	≤ 0.00025	%
Pb (Lead)	≤ 0.0005	%	≤ 0.0005	%
Zn (Zinc)	≤ 0.001	%	≤ 0.001	%

Date of release (DD.MM.YYYY) 12.07.2021
 Minimum shelf life (DD.MM.YYYY) 31.07.2024

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Lampiran 8. Alat dan Bahan

		
Timbangan Analitik	Jangka Sorong	<i>Friability tester</i>
		
<i>Hardness tester tablet</i>	<i>Disintegration tester</i>	<i>Dissolution Tester</i>
		
Vortex	Mikropipet	<i>Glass Dryer</i>

Lanjutan Lampiran 8.



Lanjutan Lampiran 8.

 <p>Karbamazepin BPII</p>	 <p>Metanol</p>	 <p>Aquadest</p>
 <p>Asam Asetat Glasial</p>	 <p>Potassium Dihydrogen Phosphate</p>	 <p>Natrium Hidroksida</p>
 <p>Natrium Klorida</p>	 <p>Asam Klorida 37%</p>	 <p>Sodium Acetate Trihydrate</p>

Lampiran 9. Perhitungan Persen Penyimpangan Bobot Tablet

$$\% \text{ penyimpangan} = \frac{W_0 - W_1}{W_1} \times 100 \%$$

Keterangan:

W_0 = bobot rata-rata

W_1 = bobot tablet

Contoh perhitungan persen penyimpangan sampel tablet ke-2 pada tablet karbamazepin inovator (A).

Diketahui:

$W_0 = 280,95 \text{ mg}$

$W_1 = 275,4 \text{ mg}$

$$\text{Persen penyimpangan} = \frac{W_0 - W_1}{W_1} \times 100 \%$$

$$\text{Persen penyimpangan} = \frac{280,95 \text{ mg} - 275,4 \text{ mg}}{275,4 \text{ mg}} \times 100 \%$$

$$\text{Persen penyimpangan} = 2,02 \%$$

Lampiran 10. Perhitungan Persen Kerapuhan Tablet

$$\% \text{ kerapuhan} = \frac{W_o - W_f}{W_o} \times 100 \%$$

Keterangan:

W_o = Bobot massa awal

W_f = Bobot setelah putaran

Contoh perhitungan persen kerapuhan tablet karbamazepin inovator (A)

Diketahui:

$W_o = 5616,7 \text{ mg}$

$W_f = 5584,5 \text{ mg}$

$$\text{Persen kerapuhan} = \frac{W_o - W_f}{W_o} \times 100 \%$$

$$\text{Persen kerapuhan} = \frac{5616,7 \text{ mg} - 5584,5 \text{ mg}}{5584,5 \text{ mg}} \times 100 \%$$

$$\text{Persen kerapuhan} = 0.57 \%$$

Lampiran 11. Pembuatan Media Disolusi Dapar HCl pH 1,2; Dapar Asetat pH 4,5; dan Dapar Fosfat pH 6,8

 <p>NaCl</p>	 <p>HCl Peleca</p>	 <p>1.20</p>	 <p>LARUTAN MEDIA DISOLUSI DAPAR HCl PENELITIAN SARIPPI WILSON GUNAWAN FARMASI UEG JANGAN DISANGGUKU & JANGAN DIPAKAI</p>
<p>Natrium Klorida</p>	<p>Asam Klorida</p>	<p>pH 1,2</p>	<p>Dapar HCl pH 1,2</p>
 <p>Sabun asetat trikalium</p>	 <p>Asam Asetat Glisial Punya Wilson</p>	 <p>4.50</p>	 <p>LARUTAN MEDIA DISOLUSI DAPAR ASETAT PENELITIAN SARIPPI WILSON GUNAWAN FARMASI UEG JANGAN DISANGGUKU & JANGAN DIPAKAI</p>
<p>Sodium Asetat</p>	<p>Asam Asetat Glisial</p>	<p>pH 4,5</p>	<p>Dapar Asetat pH 4,5</p>
 <p>K₂HPO₄</p>	 <p>NaOH 0,2M Punya Wilson JANGAN DIPAKAI</p>	 <p>6.80</p>	 <p>LARUTAN MEDIA DISOLUSI DAPAR FOSFAT PENELITIAN SARIPPI WILSON GUNAWAN FARMASI UEG JANGAN DISANGGUKU & JANGAN DIPAKAI</p>
<p>Potassium Dihydrogen Phosphate</p>	<p>Natrium Hidroksida</p>	<p>pH 6,8</p>	<p>Dapar Fosfat pH 6,8</p>

Lampiran 12. Perhitungan Pembuatan NaOH 0,2 N

$$N = \frac{m}{BE \times V}$$

Keterangan:

m = massa (dalam mg)

BE = Bobot Ekuivalen

V = Volume (ml)

Diketahui:

N = 0,2 mgrek/mL

BE = 40 mg/mgrek







V = 1000 mL

$$m = N \times BE \times V$$

$$m = 0,2 \text{ mgrek/mL} \times 40 \text{ mg/mgrek} \times 1000 \text{ mL}$$

$$m = 8000 \text{ mg atau } 8 \text{ g}$$

Lampiran 13. Validasi Metode Analisis

 <p>Larutan Stok Karbamazepin BPHI 1000 ppm</p>	 <p>Larutan Stok Karbamazepin BPHI 100 ppm</p>	 <p>Larutan Karbamazepin BPHI seri konsentrasi 2 ppm – 10 ppm (Kurva Baku/Linearitas)</p>
 <p>Larutan Karbamazepin (Inovator) 9 ppm, 10 ppm, 11 ppm (Akurasi)</p>	 <p>Larutan Karbamazepin (Generik Berlogo) 9 ppm, 10 ppm, 11 ppm (Akurasi)</p>	 <p>Larutan Karbamazepin (Generik Bermerek) 9 ppm, 10 ppm, 11 ppm (Akurasi)</p>

Lanjutan Lampiran 13.



Larutan Karbamazepin BPFi konsentrasi 4 ppm, 8 ppm, 10 ppm (Presisi)



Larutan Karbamazepin BPFi seri konsentrasi 1,2 ppm – 1,8 ppm (LOD dan LOQ)



Larutan Karbamazepin BPFi konsentrasi 2 ppm (*Robustness*)

Lampiran 14. Perhitungan Persen Perolehan Kembali (% *Recovery*)

$$\text{Persen perolehan kembali} = \frac{\text{Kadar yang diperoleh}}{\text{Kadar sesungguhnya}} \times 100 \%$$

Contoh perhitungan persen perolehan kembali tablet karbamazepin inovator (A) pada sampel ke-1 (persen adisi 80%)

$$\text{Persen perolehan kembali} = \frac{\text{Kadar yang diperoleh}}{\text{Kadar sesungguhnya}} \times 100 \%$$

$$\text{Persen perolehan kembali} = \frac{9,18 \text{ ppm}}{5 \text{ ppm} + 4 \text{ ppm}} \times 100 \%$$

$$\text{Persen perolehan kembali} = \frac{9,18 \text{ ppm}}{9 \text{ ppm}} \times 100 \%$$

$$\text{Persen perolehan kembali} = 101,97 \%$$

Lampiran 15. Perhitungan Standar Deviasi (SD) dan Simpangan Baku Relatif (RSD)

$$SD = \sqrt{\frac{\sum (X - \bar{X})^2}{n-1}}$$

$$RSD (\%) = \frac{SD}{\bar{X}} \times 100$$

Keterangan:

X = Nilai dari masing-masing pengukuran sampel

\bar{X} = Rata-rata dari pengukuran sampel

n = jumlah sampel

Contoh perhitungan standar deviasi (SD) dan persen simpangan baku relatif (RSD) pada konsentrasi 4 ppm (*intraday* 1)

Diketahui:

$$X_1 = 0,4849$$

$$X_2 = 0,4829$$

$$X_3 = 0,4829$$

$$n = 3$$

$$\bar{X} = 0,483622$$

$$SD = \sqrt{\frac{\sum (X - \bar{X})^2}{n-1}}$$

$$SD = \sqrt{\frac{(0,489 - 0,483622)^2 + (0,429 - 0,483622)^2 + (0,429 - 0,483622)^2}{3-1}}$$

$$SD = \sqrt{\frac{0,00000278}{3-1}}$$

$$SD = \sqrt{0,00000139}$$

$$SD = 0,0012$$

Lanjutan Lampiran 15.

$$\text{RSD (\%)} = \frac{SD}{\bar{X}} \times 100$$

$$\text{RSD (\%)} = \frac{0,0012}{0,483622} \times 100$$

$$\text{RSD (\%)} = 0,2439$$

Lampiran 16. Perhitungan LOD dan LOQ

$$\text{LOD} = \frac{3.3 \times \text{Standar Deviasi}}{\text{Slope}}$$

$$\text{LOQ} = \frac{10 \times \text{Standar Deviasi}}{\text{Slope}}$$

Diketahui:

Standar deviasi (σ) = 0,00096297

Slope (b) = 0,0594

$$\text{LOD} = \frac{3.3 \times \text{Standar Deviasi}}{\text{Slope}}$$

$$\text{LOD} = \frac{3.3 \times 0,00096297}{0,0594}$$

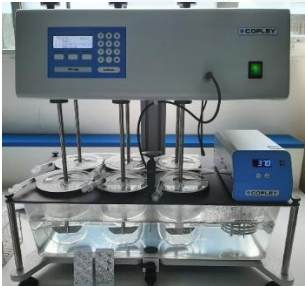


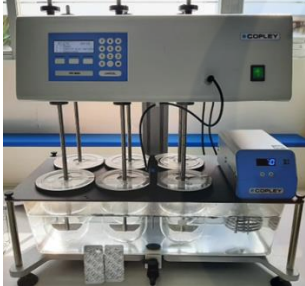





$$\text{LOD} = 0,05 \text{ ppm}$$

$$\text{LOQ} = \frac{10 \times \text{Standar Deviasi}}{\text{Slope}}$$

$$\text{LOQ} = \frac{10 \times 0,00096297}{0,0594}$$

$$\text{LOQ} = 0,16 \text{ ppm}$$



Lampiran 17. Uji Disolusi Terbanding Tabket Karbamazepin Inovator (A)

 <p>UDT Tablet Karbamazepin Inovator Dalam Media Disolusi Dapar HCl pH 1,2</p>	 <p>Sampling Media Disolusi Yang Telah Diambil Pada Vessel 1-6</p>	 <p>Sampling Media Disolusi Yang Telah Diambil Pada Vessel 7-12</p>
 <p>UDT Tablet Karbamazepin Inovator Dalam Media Disolusi Dapar Asetat pH 4,5</p>	 <p>Sampling Media Disolusi Yang Telah Diambil Pada Vessel 1-6</p>	 <p>Sampling Media Disolusi Yang Telah Diambil Pada Vessel 7-12</p>
 <p>UDT Tablet Karbamazepin Inovator Dalam Media Disolusi Dapar Fosfat pH 6,8</p>	 <p>Sampling Media Disolusi Yang Telah Diambil Pada Vessel 1-6</p>	 <p>Sampling Media Disolusi Yang Telah Diambil Pada Vessel 7-12</p>

Lampiran 18. Uji Disolusi Terbanding Tablet Karbamazepin Generik Berlogo (B)

 <p>UDT Tablet Karbamazepin Generik Berlogo Dalam Media Disolusi Dapar HCl pH 1,2</p>	 <p>Sampling Media Disolusi Yang Telah Diambil Pada Vessel 1-6</p>	 <p>Sampling Media Disolusi Yang Telah Diambil Pada Vessel 7-12</p>
 <p>UDT Tablet Karbamazepin Generik Berlogo Dalam Media Disolusi Dapar Asetat pH 4,5</p>	 <p>Sampling Media Disolusi Yang Telah Diambil Pada Vessel 1-6</p>	 <p>Sampling Media Disolusi Yang Telah Diambil Pada Vessel 7-12</p>
 <p>UDT Tablet Karbamazepin Generik Berlogo Dalam Media Disolusi Dapar Fosfat pH 6,8</p>	 <p>Sampling Media Disolusi Yang Telah Diambil Pada Vessel 1-6</p>	 <p>Sampling Media Disolusi Yang Telah Diambil Pada Vessel 7-12</p>

Lampiran 19. Uji Disolusi Terbanding Tablet Karbamazepin Generik Bermerek (C)

 <p>UDT Tablet Karbamazepin Generik Bermerek Dalam Media Disolusi Dapar HCl pH 1,2</p>	 <p>Sampling Media Disolusi Yang Telah Diambil Pada Vessel 1-6</p>	 <p>Sampling Media Disolusi Yang Telah Diambil Pada Vessel 7-12</p>
 <p>UDT Tablet Karbamazepin Generik Bermerek Dalam Media Disolusi Dapar Asetat pH 4,5</p>	 <p>Sampling Media Disolusi Yang Telah Diambil Pada Vessel 1-6</p>	 <p>Sampling Media Disolusi Yang Telah Diambil Pada Vessel 7-12</p>
 <p>UDT Tablet Karbamazepin Generik Bermerek Dalam Media Disolusi Dapar Fosfat pH 6,8</p>	 <p>Sampling Media Disolusi Yang Telah Diambil Pada Vessel 1-6</p>	 <p>Sampling Media Disolusi Yang Telah Diambil Pada Vessel 7-12</p>

Lampiran 21. Perhitungan Nilai F2 Tablet Karbamazepin Dalam Dapar Asetat pH 4,5 Menggunakan Software DD Solver

DD Solver 1.0 In-vitro Dissolution Profile Comparison															
Tablet Karbamazepin Innovator (A) - Generik Berlogo (B). Dapar Asetat pH 4,5															
Analyst Wilson															
Date 2022-6-26															
Time 22:26:32															
Time (min)	Ref.1 F(%)	Ref.2 F(%)	Ref.3 F(%)	Ref.4 F(%)	Ref.5 F(%)	Ref.6 F(%)	Ref.7 F(%)	Ref.8 F(%)	Ref.9 F(%)	Ref.10 F(%)	Ref.11 F(%)	Ref.12 F(%)	Mean	SD	RSD(%)
10	3.302442	2.61375	2.632674419	3.678314	3.227267	5.072267	3.962267	3.402907	3.272529	3.6825	3.959651	2.783721	3.465858	0.685793	19.78712
15	32.16282	32.41199	32.13285271	31.1818	31.82709	31.24013	33.32934	32.6801	31.64132	33.31453	32.29816	31.53012	32.14585	0.715502	2.225798
30	53.08396	53.17503	52.39018266	52.92727	51.06122	52.33765	53.73856	52.34995	51.83468	52.49168	51.04494	52.3752	52.40086	0.803507	1.533385
45	62.52447	63.80454	62.6833527	63.06791	62.56067	61.98992	64.74369	62.96159	62.90867	61.96503	62.75907	63.38453	62.94612	0.767766	1.219719
60	80.76445	80.92141	80.57453198	81.36675	79.5922	79.23753	81.93982	79.97958	81.05578	81.12141	80.73353	79.49185	80.5649	0.824708	1.023656

Time (min)	Test.1 F(%)	Test.2 F(%)	Test.3 F(%)	Test.4 F(%)	Test.5 F(%)	Test.6 F(%)	Test.7 F(%)	Test.8 F(%)	Test.9 F(%)	Test.10 F(%)	Test.11 F(%)	Test.12 F(%)	Mean	SD	RSD(%)
10	16.86131	17.96058	16.44026163	18.30959	17.58619	16.6125	17.27424	17.33215	18.06593	17.10366	18.26642	17.09407	17.40891	0.632653	3.634077
15	43.95882	44.75853	44.08546269	44.74128	43.7218	43.94593	44.23967	44.57853	43.69246	43.78636	45.4879	44.69912	44.30798	0.548627	1.238214
30	58.88115	59.63852	59.09664196	59.4055	59.05494	58.15307	58.30784	58.76876	59.02778	57.80083	59.417	58.26161	58.81555	0.571571	0.971803
45	71.33441	68.80518	71.3652437	71.37315	70.47817	70.83969	69.71208	70.04823	71.31857	71.04362	69.38525	71.1907	70.57453	0.886215	1.256715
60	83.01366	81.18629	82.79263227	81.77143	81.71659	78.57436	79.08174	81.6706	79.91311	80.47041	82.6835	81.86885	81.2286	1.441232	1.774292

Similarity factor: f2															
f2	Ref.1	Ref.2	Ref.3	Ref.4	Ref.5	Ref.6	Ref.7	Ref.8	Ref.9	Ref.10	Ref.11	Ref.12			
Test 1	51.28308	51.51306	50.66647615	51.17923	50.26593	51.14049	53.70607	51.50442	50.76798	51.78567	51.20284	50.54361			
Test 2	50.87936	50.90966	50.22506117	50.6418	49.90491	50.96675	52.88147	51.10681	50.25295	51.44488	50.74372	50.1017			
Test 3	51.44104	51.69185	50.82476296	51.31466	50.40373	51.26308	53.89158	51.6693	50.90245	51.93965	51.32867	50.70557			
Test 4	49.83391	49.99574	49.24718577	49.69928	48.93977	49.85059	51.96641	50.07785	49.32239	50.30256	49.7652	49.18398			
Test 5	51.3275	51.46647	50.68580869	51.18592	50.35845	51.37046	53.57235	51.57314	50.77194	51.82786	51.24348	50.61102			
Test 6	51.87663	52.05503	51.29647839	51.6193	51.12216	52.09677	54.00627	52.31129	51.30586	52.35484	51.86078	51.38319			
Test 7	51.69218	51.77856	51.08141912	51.42077	50.69813	51.94035	53.71934	52.07794	51.09941	52.2318	51.67046	51.098			
Test 8	51.24751	51.37583	50.62342829	51.05169	50.30083	51.25469	53.45234	51.51507	50.68389	51.80978	51.18507	50.51249			
Test 9	50.68838	50.84057	50.0900023	50.53584	49.86528	50.87857	52.79214	51.00696	50.15643	51.11373	50.63764	50.13433			
Test 10	51.75198	51.93603	51.15856944	51.58008	50.93526	51.88015	54.01633	52.11944	51.24289	52.26596	51.78783	51.16005			
Test 11	50.05794	50.12675	49.43906299	49.86541	49.08938	50.02679	52.10758	50.25304	49.4986	50.64085	49.96549	49.25899			
Test 12	51.01206	51.21706	50.43039507	50.8491	50.12045	50.96827	53.30615	51.31072	50.50902	51.55095	51.00588	50.34314			

Overall Statistics			
	Mean_R vs Individual_T	Mean_R vs Mean_T	
	Mean	SE	
f2	51.14645457	0.191160545	51.21395318
Is f2 ∈ [50, 100] between Mean_R and Mean_T			Yes
Similarity of R and T			Accept

DD Solver 1.0 In-vitro Dissolution Profile Comparison															
Tablet Karbamazepin Innovator (A) - Generik Bermerek (C). Dapar Asetat pH 4,5															
Analyst Wilson															
Date 2022-6-26															
Time 22:23:56															
Time (min)	Ref.1 F(%)	Ref.2 F(%)	Ref.3 F(%)	Ref.4 F(%)	Ref.5 F(%)	Ref.6 F(%)	Ref.7 F(%)	Ref.8 F(%)	Ref.9 F(%)	Ref.10 F(%)	Ref.11 F(%)	Ref.12 F(%)	Mean	SD	RSD(%)
10	3.302442	2.61375	2.632674419	3.678314	3.227267	5.072267	3.962267	3.402907	3.272529	3.6825	3.959651	2.783721	3.465858	0.685793	19.78712
15	32.16282	32.41199	32.13285271	31.1818	31.82709	31.24013	33.32934	32.6801	31.64132	33.31453	32.29816	31.53012	32.14585	0.715502	2.225798
30	53.08396	53.17503	52.39018266	52.92727	51.06122	52.33765	53.73856	52.34995	51.83468	52.49168	51.04494	52.3752	52.40086	0.803507	1.533385
45	62.52447	63.80454	62.6833527	63.06791	62.56067	61.98992	64.74369	62.96159	62.90867	61.96503	62.75907	63.38453	62.94612	0.767766	1.219719
60	80.76445	80.92141	80.57453198	81.36675	79.5922	79.23753	81.93982	79.97958	81.05578	81.12141	80.73353	79.49185	80.5649	0.824708	1.023656

Time (min)	Test.1 F(%)	Test.2 F(%)	Test.3 F(%)	Test.4 F(%)	Test.5 F(%)	Test.6 F(%)	Test.7 F(%)	Test.8 F(%)	Test.9 F(%)	Test.10 F(%)	Test.11 F(%)	Test.12 F(%)	Mean	SD	RSD(%)
10	9.818198	10.67119	10.91162791	10.82564	10.42125	9.959564	10.86959	10.69753	10.38602	10.99953	10.41227	10.86305	10.56962	0.37988	3.59407
15	35.42132	35.11254	34.96300388	36.73976	35.82252	37.00923	36.57422	36.2928	36.04436	35.49355	34.57075	35.20125	35.77044	0.769735	2.151876
30	51.47777	50.95385	51.72344671	51.62104	51.33996	49.54671	51.43435	50.89331	50.7355	51.15217	50.207	52.01003	51.09126	0.688167	1.346937
45	59.71088	57.81502	58.27371657	57.72357	59.18428	58.52122	58.99223	59.34882	60.03338	59.11029	59.48279	59.0711	58.93894	0.721405	1.223986
60	65.43501	65.25187	65.43620107	66.53722	66.24177	66.45804	65.26408	65.10884	65.62237	64.40417	65.41832	65.26709	65.53708	0.609221	0.929582

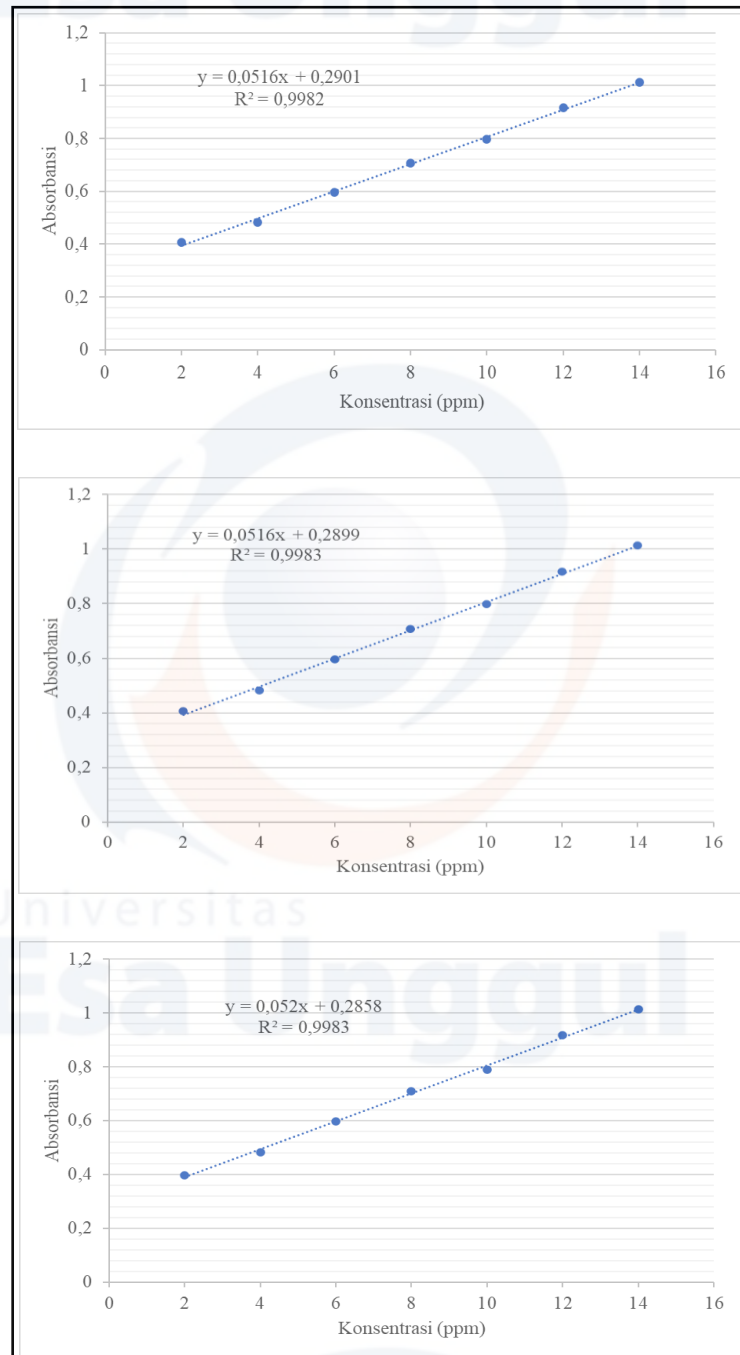
Similarity factor: f2															
f2	Ref.1	Ref.2	Ref.3	Ref.4	Ref.5	Ref.6	Ref.7	Ref.8	Ref.9	Ref.10	Ref.11	Ref.12			
Test 1	55.41812	54.6629	55.31990879	54.58195	56.68695	57.9036	53.98112	56.4302	54.96505	55.57312	55.81739	56.23648			
Test 2	54.33662	53.45992	54.21785899	53.55079	55.56854	56.84051	52.76919	55.22225	53.92622	54.56072	54.77452	54.9868			
Test 3	54.65662	53.78446	54.49137795	53.87769	55.79914	57.19967	53.14511	55.52918	54.19189	54.83805	55.01586	55.29742			
Test 4	55.18497	54.2686	54.99632963	54.2784	56.25608	57.59718	53.7264	56.09387	54.65171	55.57509	55.5791	55.64618			
Test 5	55.75902	54.92057	55.61701874	54.90092	56.99896	58.31989	54.315	56.7649	55.29023	56.02101	56.21607	56.45014			
Test 6	55.33064	54.49947	55.29062273	54.42021	56.75892	57.7316	53.8576	56.40684	54.97832	55.78037	56.02015	55.98772			
Test 7	54.27766	53.51183	54.13883256	53.44884	55.39853	56.60519	52.98796	55.22333	53.81299	54.55457	54.68798	54.89886			
Test 8	54.29234	53.55146	54.19065354	53.48616	55.51516	56.65584	52.99029	55.27544	53.88402	54.54823	54.77314	54.99358			
Test 9	55.14663	54.4185	55.05994543	54.33078	56.46401	57.60927	53.83846	56.20292	54.75582	55.38725	55.68446	55.93474			
Test 10	53.61547	52.87263	53.50417939	52.87348	54.79672	55.99131	52.28437	54.52836	53.21897	53.7892	54.03685	54.32833			
Test 11	55.03788	54.24139	54.97568569	54.30167	56.48091	57.68302	53.52897	56.04878	54.72828	55.19595	55.6264	55.89825			
Test 12	54.68914	53.88337	54.52244197	53.91011	55.80344	57.18276	53.29062	55.59269	54.20871	54.84257	55.02242	55.37261			

Overall Statistics			
	Mean_R vs Individual_T	Mean_R vs Mean_T	
	Mean	SE	
f2	55.05281707	0.180013255	55.11311258
Is f2 ∈ [50, 100] between Mean_R and Mean_T			Yes
Similarity of R and T			Accept

Lampiran 22. Perhitungan Nilai F2 Tablet Karbamazepin Dalam Dapar Fosfat pH 6,8 Menggunakan Software DD Solver

DD Solver 1.0 In-vitro Dissolution Profile Comparison															
Tablet Karbamazepin Innovator (A) - Generik Berlogo (B).												Dapar Fosfat pH 6.8			
Time Unit min		Analyst Wilson		Date 2022-6-26		Method Similarity factor f2		Time 22:31:34							
Time (min)	Ref.1 F(%)	Ref.2 F(%)	Ref.3 F(%)	Ref.4 F(%)	Ref.5 F(%)	Ref.6 F(%)	Ref.7 F(%)	Ref.8 F(%)	Ref.9 F(%)	Ref.10 F(%)	Ref.11 F(%)	Ref.12 F(%)	Mean	SD	RSD(%)
10	7.277625	7.836317	6.124846154	5.94649	7.953663	7.540702	7.41626	6.672635	6.957173	6.075346	6.958385	6.14475	6.908683	0.715064	10.35023
15	32.40158	31.98151	34.43064231	34.13758	32.4769	32.21386	31.95953	32.2575	32.10885	31.27007	33.31737	35.80784	32.8636	1.307671	3.979087
30	50.07771	50.35625	52.38626346	52.18418	49.99246	51.68332	51.38768	49.759	49.56633	47.15181	47.88546	47.22551	49.97133	1.805916	3.613904
45	60.18451	57.01932	57.80518221	60.28866	56.34257	58.38839	56.41037	55.08375	56.69434	56.50728	53.85123	56.65689	57.10271	1.864176	3.264601
60	84.50889	84.07302	89.46068269	89.50886	84.16494	86.888	86.43109	86.30758	87.90159	86.27942	83.80806	82.18414	85.95969	2.290326	2.664419
Time (min)	Test.1 F(%)	Test.2 F(%)	Test.3 F(%)	Test.4 F(%)	Test.5 F(%)	Test.6 F(%)	Test.7 F(%)	Test.8 F(%)	Test.9 F(%)	Test.10 F(%)	Test.11 F(%)	Test.12 F(%)	Mean	SD	RSD(%)
10	12.6109	12.53138	11.73132692	11.93712	13.42298	12.76927	13.67377	12.99695	13.15376	13.40836	12.96182	14.184	12.94847	0.697934	5.390088
15	35.62525	36.00307	35.82641442	35.55098	33.37457	33.91864	33.71675	33.92354	34.21051	34.12781	36.50245	34.6009	34.78174	1.054406	3.031492
30	44.14467	44.51221	44.28492452	47.17422	46.73929	45.85021	46.34398	44.30012	45.48375	45.75746	46.09643	45.55729	45.52038	1.014584	2.228856
45	61.21047	60.89172	60.5885149	60.87426	60.42448	60.23384	60.31798	60.06494	60.42557	60.88106	61.07119	59.78052	60.56371	0.431805	0.712976
60	77.49482	81.1097	80.31824519	78.28877	77.2857	79.93329	81.9082	81.48275	80.39295	79.95312	86.74608	79.57803	80.3743	2.48471	3.091423
Similarity factor: f2															
f2	Ref.1	Ref.2	Ref.3	Ref.4	Ref.5	Ref.6	Ref.7	Ref.8	Ref.9	Ref.10	Ref.11	Ref.12			
Test.1	64.6854	63.78268	56.64209472	57.03961	63.9	60.2027	59.90619	60.03971	59.55296	61.39748	63.05127	67.5767			
Test.2	68.78816	67.35054	60.51784851	60.9958	67.64367	64.18819	63.57671	63.69512	63.78014	65.3154	66.29242	70.99921			
Test.3	68.88119	67.62151	60.20427024	60.60461	67.92979	63.94975	63.52684	63.86242	63.65346	65.66235	66.98493	72.35433			
Test.4	69.33816	68.26206	59.87093934	60.26701	68.2242	64.14192	63.64309	63.21227	62.5596	63.774	65.95038	71.10443			
Test.5	66.73061	66.54891	57.68512159	57.94408	66.41103	62.25371	62.07395	61.6588	60.91227	62.3836	64.30825	67.22532			
Test.6	70.41541	69.78072	60.57419163	60.88856	69.83262	65.40075	65.05178	64.84825	64.46918	66.17824	67.58098	71.00996			
Test.7	71.60381	70.77979	62.21232708	62.59291	70.82223	67.26953	66.5976	65.99849	66.23091	67.15291	67.68691	69.85426			
Test.8	69.55246	68.8541	60.7001423	61.00942	69.11425	65.11834	64.78748	64.99404	65.04564	67.0749	67.61592	70.42995			
Test.9	69.7749	68.97002	60.43767934	60.79706	69.07729	65.02864	64.59038	64.40945	64.23331	65.81275	66.96175	70.29469			
Test.10	69.17885	68.18197	59.84385769	60.29909	68.17477	64.41769	63.87881	63.52513	63.72226	64.79096	65.85659	69.16765			
Test.11	70.48696	68.21341	66.08650198	66.9328	68.55948	68.47302	66.81999	66.24094	68.27483	67.26327	65.94299	68.20082			
Test.12	67.2119	67.15191	59.0037478	59.11963	67.38145	63.2373	63.0651	62.93438	62.48614	63.82029	65.73931	68.56787			
Overall Statistics															
Mean_R vs Individual_T				Mean_R vs Mean_T											
Mean				SE											
f2	65.99792283			0.572644684			66.62416135								
Is f2 ∈ [50, 100] between Mean_R and Mean_T														Yes	
Similarity of R and T														Accept	
DD Solver 1.0 In-vitro Dissolution Profile Comparison															
Tablet Karbamazepin Innovator (A) - Generik Bermerek (C).												Dapar Fosfat pH 6.8			
Time Unit min		Analyst Wilson		Date 2022-6-26		Method Similarity factor f2		Time 22:28:43							
Time (min)	Ref.1 F(%)	Ref.2 F(%)	Ref.3 F(%)	Ref.4 F(%)	Ref.5 F(%)	Ref.6 F(%)	Ref.7 F(%)	Ref.8 F(%)	Ref.9 F(%)	Ref.10 F(%)	Ref.11 F(%)	Ref.12 F(%)	Mean	SD	RSD(%)
10	7.277625	7.836317	6.124846154	5.94649	7.953663	7.540702	7.41626	6.672635	6.957173	6.075346	6.958385	6.14475	6.908683	0.715064	10.35023
15	32.40158	31.98151	34.43064231	34.13758	32.4769	32.21386	31.95953	32.2575	32.10885	31.27007	33.31737	35.80784	32.8636	1.307671	3.979087
30	50.07771	50.35625	52.38626346	52.18418	49.99246	51.68332	51.38768	49.759	49.56633	47.15181	47.88546	47.22551	49.97133	1.805916	3.613904
45	60.18451	57.01932	57.80518221	60.28866	56.34257	58.38839	56.41037	55.08375	56.69434	56.50728	53.85123	56.65689	57.10271	1.864176	3.264601
60	84.50889	84.07302	89.46068269	89.50886	84.16494	86.888	86.43109	86.30758	87.90159	86.27942	83.80806	82.18414	85.95969	2.290326	2.664419
Time (min)	Test.1 F(%)	Test.2 F(%)	Test.3 F(%)	Test.4 F(%)	Test.5 F(%)	Test.6 F(%)	Test.7 F(%)	Test.8 F(%)	Test.9 F(%)	Test.10 F(%)	Test.11 F(%)	Test.12 F(%)	Mean	SD	RSD(%)
10	11.27285	11.17212	11.02335577	11.53246	11.51005	13.5887	11.28825	12.19812	13.7642	13.64937	13.75589	15.66303	12.53487	1.495363	11.92963
15	34.97458	33.57435	34.66944279	33.61096	34.17594	34.46718	34.95666	34.90218	35.64871	35.85992	34.94614	35.95617	34.81185	0.780379	2.241705
30	45.54726	43.914	44.17342212	43.85129	44.23299	44.69471	45.03295	44.84236	45.27894	46.12998	46.35958	44.97077	44.91902	0.81544	1.815356
45	59.71556	60.34481	60.69868125	60.28062	60.72596	60.68003	60.81874	60.94777	60.48904	60.03124	59.70327	60.28735	60.39359	0.413033	0.683903
60	64.38751	65.03143	65.23907452	64.98098	65.37623	65.55072	64.02127	64.33714	64.02774	63.86774	63.67669	62.91111	64.45064	0.797502	1.237384
Similarity factor: f2															
f2	Ref.1	Ref.2	Ref.3	Ref.4	Ref.5	Ref.6	Ref.7	Ref.8	Ref.9	Ref.10	Ref.11	Ref.12			
Test.1	51.06708	51.29742	46.1792948	46.19999	51.27651	48.53489	48.77114	48.90168	47.84047	49.20751	51.30494	53.54007			
Test.2	51.41435	51.54181	46.25066614	46.3442	51.49657	48.73205	48.94556	49.13435	48.14363	49.72187	51.55397	53.74778			
Test.3	51.62178	51.66625	46.47847483	46.59118	51.63109	48.89492	49.0665	49.23796	48.26203	49.78131	51.66722	54.09559			
Test.4	51.27298	51.41825	46.14482255	46.23056	51.37953	48.6208	48.83657	49.02095	48.03736	49.59475	51.43544	53.58724			
Test.5	51.72438	51.78716	46.51667864	46.63361	51.74065	48.99814	49.16858	49.31476	48.34947	49.86534	51.71891	54.04554			
Test.6	51.44407	51.56713	46.34956596	46.44418	51.53491	48.84684	48.99675	49.05304	48.13473	49.4744	51.3774	53.52241			
Test.7	50.59794	50.65765	45.71043499	45.81347	50.61032	48.02792	48.18472	48.28617	47.32484	48.6871	50.56525	52.86036			
Test.8	50.6636	50.72051	45.74219923	45.85229	50.67711	48.09657	48.23802	48.31791	47.38849	48.72706	50.58656	52.83576			
Test.9	49.99526	50.14825	45.32051154	45.3769	50.13679	47.60246	47.75645	47.79713	46.87748	48.06053	50.02457	52.12264			
Test.10	50.01685	50.24109	45.41460135	45.43268	50.23293	47.68057	47.86018	47.87941	46.91309	48.03535	50.10639	52.17058			
Test.11	49.96792	50.26336	45.33687264	45.33725	50.241	47.66568	47.87668	47.8864	46.89627	48.03442	50.09365	51.99096			
Test.12	48.37909	48.58667	44.05720321	44.08416	48.59562	46.21526	46.37196	46.39488	45.53786	46.59774	48.49511	50.32325			
Overall Statistics															
Mean_R vs Individual_T				Mean_R vs Mean_T											
Mean				SE											
f2	49.12981897			0.25397052			49.17557676								
Is f2 ∈ [50, 100] between Mean_R and Mean_T														No	
Similarity of R and T														Reject	

Lampiran 23. Kurva Baku Disolusi Terbanding Karbamazepin Dalam Media Disolusi Dapar HCl pH 1,2; Dapar Asetat pH 4,5; dan Dapar Fosfat pH 6,8



Lampiran 24. % Disolusi Tablet Karbamazepin Dalam Media Disolusi Dapar HCl pH 1,2

Absorbansi Tablet Karbamazepin innovator (A). Media Disolusi Dapar HCl pH 1,2												
Menit	Tablet 1	Tablet 2	Tablet 3	Tablet 4	Tablet 5	Tablet 6	Tablet 7	Tablet 8	Tablet 9	Tablet 10	Tablet 11	Tablet 12
10	0,398347	0,410231	0,402371	0,400391	0,399846	0,401059	0,393779	0,417672	0,410155	0,410408	0,40745	0,405131
15	0,631459	0,652082	0,642537	0,639321	0,634763	0,635525	0,631115	0,625367	0,629476	0,635853	0,637898	0,646269
30	0,854524	0,851741	0,841685	0,848172	0,84772	0,865342	0,856266	0,851683	0,839451	0,843149	0,84496	0,852318
45	1,01912	1,02092	1,01721	1,03157	1,01683	1,02759	1,02041	1,02679	1,01164	1,01716	1,02497	1,01817
60	1,14114	1,15214	1,13278	1,13656	1,14781	1,15378	1,14417	1,13955	1,13334	1,14503	1,15036	1,14913
Konsentrasi (ppm) Tablet Karbamazepin innovator (A)												
Menit	Tablet 1	Tablet 2	Tablet 3	Tablet 4	Tablet 5	Tablet 6	Tablet 7	Tablet 8	Tablet 9	Tablet 10	Tablet 11	Tablet 12
10	2,097810078	2,328120155	2,175794574	2,137422481	2,126860465	2,150368217	2,009282946	2,472325581	2,326647287	2,331550388	2,274224806	2,229282946
15	6,615484496	7,015155039	6,830174419	6,767848837	6,679515504	6,694282946	6,608817829	6,497422481	6,577054264	6,700639535	6,740271318	6,9025
30	10,93457364	10,8845155	10,68963178	10,81534884	10,80658915	11,14810078	10,9722093	10,88339147	10,64633721	10,71800388	10,75310078	10,89569767
45	14,12829457	14,16317829	14,09127907	14,36957364	14,08391473	14,29244186	14,15329457	14,27693798	13,98333333	14,09031008	14,24166667	14,10988372
60	16,49302326	16,70620155	16,33100775	16,40426357	16,62228682	16,7379845	16,55174419	16,4622093	16,34186047	16,56841085	16,67170543	16,64786822
Jumlah Obat (mg)												
Menit	Tablet 1	Tablet 2	Tablet 3	Tablet 4	Tablet 5	Tablet 6	Tablet 7	Tablet 8	Tablet 9	Tablet 10	Tablet 11	Tablet 12
10	18,8802907	20,9530814	19,58215116	19,23680233	19,14174419	19,35331395	18,08354651	22,25093023	20,93982538	20,98395349	20,46802326	20,06354651
15	59,53936047	63,13639535	61,47156977	60,91063953	60,11563953	60,24854651	59,47936047	58,47680233	59,19348837	60,30575581	60,66244186	62,1225
30	98,41116279	97,96063953	96,20668605	97,33813953	97,25930233	100,332907	98,74988372	97,95052326	95,81703488	96,46203488	96,77790698	98,06127907
45	127,1546512	127,4686047	126,8215116	129,3261628	126,7552326	128,6319767	127,379512	128,4924419	125,85	126,8127907	128,175	126,9889535
60	148,4372093	150,355814	146,9790698	147,6383721	149,6005814	150,6418605	148,9656977	148,1598837	147,0767442	149,1156977	150,0453488	149,830814
Faktor Koreksi												
Menit	Tablet 1	Tablet 2	Tablet 3	Tablet 4	Tablet 5	Tablet 6	Tablet 7	Tablet 8	Tablet 9	Tablet 10	Tablet 11	Tablet 12
10	0	0	0	0	0	0	0	0	0	0	0	0
15	0,104890504	0,116406008	0,108789729	0,106871124	0,106343023	0,107518411	0,100464147	0,123616279	0,116332364	0,116577519	0,11371124	0,111464147
30	0,435664729	0,46716376	0,45029845	0,445265566	0,440318798	0,442232558	0,430905039	0,448487403	0,445185078	0,451609496	0,450724806	0,456589147
45	0,982393411	1,011389535	0,984780039	0,986031008	0,980648256	0,999637597	0,979515504	0,992656977	0,977501938	0,98750969	0,988379845	1,001374031
60	1,68880814	1,71954845	1,689443992	1,70450969	1,684843992	1,71425969	1,687180233	1,706503876	1,676668605	1,692025194	1,700463178	1,706868217
Jumlah Obat Terkoreksi (mg)												
Menit	Tablet 1	Tablet 2	Tablet 3	Tablet 4	Tablet 5	Tablet 6	Tablet 7	Tablet 8	Tablet 9	Tablet 10	Tablet 11	Tablet 12
10	18,8802907	20,9530814	19,58215116	19,23680233	19,14174419	19,35331395	18,08354651	22,25093023	20,93982538	20,98395349	20,46802326	20,06354651
15	59,64425097	63,25280136	61,5803595	61,01751066	60,22198256	60,35606492	59,57982461	58,6004186	59,30982074	60,42233333	60,7761531	62,23396415
30	98,84682752	98,42780329	96,6569845	97,7834031	97,69962112	100,7751395	99,18078876	98,9901066	96,26221996	96,91364438	97,22863178	98,51786822
45	128,1370446	128,4799942	127,8062917	130,3121938	127,7358808	129,6316143	128,3591667	129,4850988	126,8275019	127,8003004	129,1633798	127,9903275
60	150,1260174	152,0753624	148,6684138	149,3428818	151,2854254	152,3561202	150,6528779	149,8663876	148,7534128	150,8077229	151,745812	151,5376822
% Disolusi Tablet Karbamazepin Innovator (A). Media Disolusi Dapar HCl pH 1,2												
Menit	Tablet 1	Tablet 2	Tablet 3	Tablet 4	Tablet 5	Tablet 6	Tablet 7	Tablet 8	Tablet 9	Tablet 10	Tablet 11	Tablet 12
10	9,440145349	10,4765407	9,791075581	9,618401163	9,570872093	9,676656977	9,041773256	11,12546512	10,46991279	10,49197674	10,23401163	10,03177326
15	29,82212548	31,62640068	30,79017975	30,50875533	30,11099128	30,17803246	29,78991231	29,3002093	29,65491037	30,21116667	30,38807655	31,11698207
30	49,42341376	49,21390165	48,32849225	48,89170155	48,84981056	50,38756977	49,59039438	49,19950533	48,13110998	48,45682219	48,61431589	49,25893411
45	64,06852229	64,23999709	63,90314583	65,1560969	63,86794041	64,81580717	64,17958333	64,74254942	63,41375097	63,90015019	64,58168992	63,99516376
60	75,06300872	76,0376812	74,33420688	74,67144089	75,64271269	76,17806008	75,32643895	74,9331938	74,3767064	75,40386143	75,87290601	75,76884109

Lanjutan Lampiran 24.

Absorbansi Tablet Karbamazepin Generik Berlogo (B). Media Disolusi Dapar HCl pH 1,2												
Menit	Tablet 1	Tablet 2	Tablet 3	Tablet 4	Tablet 5	Tablet 6	Tablet 7	Tablet 8	Tablet 9	Tablet 10	Tablet 11	Tablet 12
10	0,424599	0,420825	0,422167	0,418249	0,4185	0,42419	0,42442	0,421811	0,417499	0,423899	0,427419	0,428761
15	0,72661	0,717979	0,706535	0,718488	0,725405	0,712755	0,729793	0,734631	0,726088	0,719649	0,729239	0,72063
30	0,913222	0,925734	0,915117	0,930877	0,921251	0,911152	0,928157	0,919313	0,907609	0,924415	0,914836	0,927471
45	1,03842	1,05719	1,04879	1,02596	1,04196	1,01606	1,04119	1,04168	1,03008	1,05396	1,03903	1,02915
60	1,16457	1,14247	1,17803	1,18379	1,17348	1,14891	1,17495	1,15917	1,16146	1,14777	1,16361	1,15127
Konsentrasi (ppm) Tablet Karbamazepin Generik Berlogo (B)												
Menit	Tablet 1	Tablet 2	Tablet 3	Tablet 4	Tablet 5	Tablet 6	Tablet 7	Tablet 8	Tablet 9	Tablet 10	Tablet 11	Tablet 12
10	2,606569767	2,533430233	2,559437984	2,483507752	2,488372093	2,598643411	2,603100775	2,542848837	2,468972868	2,593003876	2,66122093	2,687228682
15	8,459496124	8,292228682	8,070445736	8,302093023	8,436143411	8,190988372	8,521182171	8,61494186	8,449379845	8,324593023	8,510445736	8,343604651
30	12,07600775	12,31848837	12,11273256	12,41815891	12,23160853	12,03589147	12,36544574	12,19405039	11,96722868	12,29292636	12,10728682	12,35215116
45	14,50232558	14,86608527	14,70329457	14,26085271	14,57093023	14,06899225	14,55600775	14,56550388	14,34069767	14,80348837	14,51414729	14,32267442
60	16,94709302	16,51879845	17,20794574	17,31957364	17,11976744	16,64360465	17,14825581	16,84244186	16,88682171	16,62151163	16,92848837	16,68934109
Jumlah Obat (mg)												
Menit	Tablet 1	Tablet 2	Tablet 3	Tablet 4	Tablet 5	Tablet 6	Tablet 7	Tablet 8	Tablet 9	Tablet 10	Tablet 11	Tablet 12
10	23,45912791	22,80087209	23,03494186	22,35156977	22,39534884	23,3877907	23,42790698	22,88563953	22,22075581	23,33703488	23,95098837	24,18505814
15	76,13546312	74,63005814	72,63401163	74,71883721	75,9252907	73,71889353	76,69063953	77,53447674	76,0444186	74,92133721	76,59401163	75,09244186
30	108,6840698	110,8663953	109,014593	111,7634302	110,0844767	108,3230233	111,2890116	109,7464535	107,7050581	110,6363372	108,9655814	111,1693605
45	130,5209302	133,7947674	132,3296512	128,3476744	131,1383721	126,6209302	131,0040698	131,0895349	129,0662791	133,2313953	130,6273256	128,9040698
60	152,5238372	148,669186	154,8715116	155,8761628	154,077907	149,7924419	154,3343023	151,5819767	151,9813953	149,5936047	152,3563953	150,2040698
Faktor Koreksi												
Menit	Tablet 1	Tablet 2	Tablet 3	Tablet 4	Tablet 5	Tablet 6	Tablet 7	Tablet 8	Tablet 9	Tablet 10	Tablet 11	Tablet 12
10	0	0	0	0	0	0	0	0	0	0	0	0
15	0,130328488	0,126671512	0,127971899	0,124175388	0,124418605	0,129932171	0,130155039	0,127142442	0,123448643	0,129650194	0,133061047	0,134361434
30	0,553303295	0,541282946	0,531494186	0,539280039	0,546225775	0,539481589	0,556214147	0,557889535	0,545917636	0,545879845	0,558583333	0,551541667
45	1,157103682	1,157207364	1,137130814	1,160187984	1,157806202	1,141276163	1,174486434	1,167592054	1,14427907	1,160526163	1,163947674	1,169149225
60	1,882219961	1,900511628	1,872295543	1,87323062	1,886352713	1,844725775	1,902286822	1,895867248	1,861313953	1,900700581	1,889655039	1,885282946
Jumlah Obat Terkoreksi (mg)												
Menit	Tablet 1	Tablet 2	Tablet 3	Tablet 4	Tablet 5	Tablet 6	Tablet 7	Tablet 8	Tablet 9	Tablet 10	Tablet 11	Tablet 12
10	23,45912791	22,80087209	23,03494186	22,35156977	22,39534884	23,3877907	23,42790698	22,88563953	22,22075581	23,33703488	23,95098837	24,18505814
15	76,2657936	74,75672965	72,76198353	74,8430126	76,0497093	73,84882752	76,82079457	77,66161919	76,1678625	75,0509874	76,72707267	75,22680329
30	109,2373731	111,4076783	109,5460872	112,3027103	110,6307025	108,8625048	111,8452258	110,304343	108,2509758	111,1822171	109,5241647	111,7209021
45	131,6780339	134,9519748	133,466782	129,5078624	132,2961783	127,7622064	132,1785562	132,2571269	130,2105581	134,3919215	131,7912733	130,073219
60	154,4060372	150,5696977	156,7438072	157,7493934	155,9642597	151,6371676	156,2365891	153,477844	153,8427093	151,4943052	154,2460504	152,0893527
% Disolusi Tablet Karbamazepin Generik Berlogo (B). Media Disolusi Dapar HCl pH 1,2												
Menit	Tablet 1	Tablet 2	Tablet 3	Tablet 4	Tablet 5	Tablet 6	Tablet 7	Tablet 8	Tablet 9	Tablet 10	Tablet 11	Tablet 12
10	11,72956395	11,40043605	11,51747093	11,17578488	11,19767442	11,69389535	11,71395349	11,44281977	11,11037791	11,66851744	11,97549419	12,09252907
15	38,1328968	37,37836483	36,38099176	37,4215063	38,02485465	36,92441376	38,41039729	38,83080959	38,08393362	37,5254937	38,36353634	37,61340165
30	54,61868653	55,70383915	54,7730436	56,15135514	55,31535126	54,43125242	55,92261289	55,15217151	54,12548789	55,59110853	54,76208236	55,86045107
45	65,83901696	67,4759874	66,73339099	64,7539312	66,14808915	63,8811032	66,0892781	66,12856347	65,10527907	67,19596076	65,89563663	65,0366095
60	77,20302859	75,28484884	78,37190359	78,87469671	77,98212984	75,81858382	78,11829457	76,738922	76,92135465	75,74715262	77,12302519	76,04467636

Lanjutan Lampiran 24.

Absorbansi Tablet Karbamazepin Generik Bermerek (C) Media Disolusi Dapur HCl pH 1,2												
Menit	Tablet 1	Tablet 2	Tablet 3	Tablet 4	Tablet 5	Tablet 6	Tablet 7	Tablet 8	Tablet 9	Tablet 10	Tablet 11	Tablet 12
10	0,378712	0,389179	0,383235	0,383955	0,374713	0,375174	0,369282	0,383391	0,379375	0,389882	0,381034	0,382919
15	0,637748	0,662193	0,653388	0,655315	0,650187	0,645377	0,668203	0,65997	0,653217	0,649543	0,66476	0,655815
30	0,801158	0,809511	0,799488	0,791873	0,785541	0,79732	0,798681	0,814078	0,8002	0,789255	0,81524	0,80686
45	0,902388	0,909641	0,901544	0,881692	0,897205	0,909096	0,896593	0,905173	0,900146	0,909681	0,897266	0,908696
60	0,968018	0,991097	0,982361	0,962264	0,965195	0,969725	0,974815	0,972897	0,965823	0,974434	0,975449	0,959949
Konsentrasi (ppm) Tablet Karbamazepin Generik Bermerek (C)												
Menit	Tablet 1	Tablet 2	Tablet 3	Tablet 4	Tablet 5	Tablet 6	Tablet 7	Tablet 8	Tablet 9	Tablet 10	Tablet 11	Tablet 12
10	1,717286822	1,920135659	1,80494186	1,818895349	1,639786822	1,64872093	1,534534884	1,807965116	1,730135659	1,93375969	1,762286822	1,798817829
15	7,12496124	7,211104651	7,040465116	7,077810078	6,978430233	6,885213178	7,327577519	7,168023256	7,037151163	6,965949612	7,260852713	7,0875
30	9,904224806	10,06610465	9,871860465	9,724282946	9,601569767	9,829844961	9,85622093	10,1546124	9,885658915	9,673946512	10,17713178	10,01472868
45	11,86604651	12,00660833	11,84968992	11,46496124	11,76560078	11,99604651	11,73374031	11,92001938	11,8225969	12,00738372	11,76678295	11,98829457
60	13,13794574	13,58521318	13,41591085	13,02643411	13,08323643	13,17102713	13,26967054	13,2325	13,09540698	13,26228682	13,28195736	12,98156977
Jumlah Obat (mg)												
Menit	Tablet 1	Tablet 2	Tablet 3	Tablet 4	Tablet 5	Tablet 6	Tablet 7	Tablet 8	Tablet 9	Tablet 10	Tablet 11	Tablet 12
10	15,4555814	17,28122093	16,24447674	16,37005814	14,7580814	14,83848837	13,81081395	16,27168605	15,57122093	17,40383721	15,8605814	16,18936047
15	64,12465116	64,99594864	63,36418605	63,7902907	62,80587209	61,9669186	65,94819767	64,5122093	63,33496047	62,69354651	65,34767442	63,7875
30	89,13802326	90,59494186	88,84674419	87,51834651	86,41412791	88,46860465	88,70598337	91,39151163	88,97093023	87,0619186	91,39418605	90,13255814
45	106,7944186	108,0594767	106,6472093	103,1846512	105,890407	107,964186	105,7836628	107,2801744	106,4033721	108,0664535	105,9010465	107,8946512
60	118,2415116	122,2669186	120,74931977	117,237907	117,7491279	118,5392442	119,4270349	119,0925	117,8586628	119,3605814	119,5376163	116,8341279
Faktor Koreksi												
Menit	Tablet 1	Tablet 2	Tablet 3	Tablet 4	Tablet 5	Tablet 6	Tablet 7	Tablet 8	Tablet 9	Tablet 10	Tablet 11	Tablet 12
10	0	0	0	0	0	0	0	0	0	0	0	0
15	0,085864341	0,096006783	0,090247093	0,090944767	0,081989341	0,082436047	0,076726744	0,090398256	0,086506783	0,096687984	0,088114341	0,089940891
30	0,442112403	0,456362016	0,442270349	0,444835271	0,430910853	0,426696705	0,44310562	0,448799419	0,438364341	0,444985465	0,451156977	0,444315891
45	0,937323643	0,959867248	0,935863372	0,931049419	0,910989341	0,918188953	0,935916667	0,956530039	0,932647287	0,928662791	0,960013566	0,945052526
60	1,530625969	1,560197674	1,528347868	1,504297481	1,49926938	1,517991279	1,523603682	1,552591008	1,523777132	1,529031977	1,548352713	1,544667054
Jumlah Obat Terkoreksi (mg)												
Menit	Tablet 1	Tablet 2	Tablet 3	Tablet 4	Tablet 5	Tablet 6	Tablet 7	Tablet 8	Tablet 9	Tablet 10	Tablet 11	Tablet 12
10	15,4555814	17,28122093	16,24447674	16,37005814	14,7580814	14,83848837	13,81081395	16,27168605	15,57122093	17,40383721	15,8605814	16,18936047
15	64,2105155	64,99594864	63,45443314	63,79123547	62,88786143	62,04935465	66,02492442	64,60260756	63,42086725	62,7902345	65,43578876	63,87744089
30	89,58013566	91,0510398	89,28901453	87,96338178	86,84503876	88,39530136	89,14909399	91,84031105	89,40929457	87,50690407	92,04534302	90,57687403
45	107,7317422	109,019344	107,5830727	104,1157006	106,8013963	108,8826076	106,7195795	108,2367045	107,3360194	108,9951163	106,8610601	108,8397035
60	119,7721376	123,8271163	122,2715455	118,7422045	119,2483973	120,0572355	120,9506386	120,645031	119,3824399	120,8896134	121,08969	118,378395
% Disolusi Tablet Karbamazepin Generik Bermerek (C) Media Disolusi Dapur HCl pH 1,2												
Menit	Tablet 1	Tablet 2	Tablet 3	Tablet 4	Tablet 5	Tablet 6	Tablet 7	Tablet 8	Tablet 9	Tablet 10	Tablet 11	Tablet 12
10	7,727790698	8,640610465	8,122238372	8,18502907	7,379040698	7,419244186	6,905406977	8,135843023	7,785610465	8,701918605	7,930290698	8,094680233
15	32,10525775	32,49797432	31,72721657	31,89561773	31,44393072	31,02467733	33,01246221	32,30130378	31,71043362	31,39511725	32,7189438	31,93872045
30	44,790006783	45,52575194	44,64450727	43,98169089	43,42251938	44,44763068	44,574547	45,92015552	44,70464729	43,75345203	46,02267151	45,28843702
45	53,86587112	54,509672	53,79153634	52,05785029	53,40069816	54,44130378	53,35978973	54,11835223	53,66800969	54,49755814	53,43053004	54,41985174
60	59,8860688	61,91355814	61,13577277	59,37110223	59,62419864	60,02861773	60,47531928	60,3225155	59,69121996	60,44480669	60,5429845	59,18929748

Lampiran 25. % Disolusi Tablet Karbamazepin Dalam Media Disolusi Dapar Asetat pH 4,5

Absorbansi Tablet Karbamazepin innovator (A). Media Disolusi Dapar Asetat pH 4,5												
Menit	Tablet 1	Tablet 2	Tablet 3	Tablet 4	Tablet 5	Tablet 6	Tablet 7	Tablet 8	Tablet 9	Tablet 10	Tablet 11	Tablet 12
10	0,327768	0,319871	0,320088	0,332078	0,326906	0,348062	0,335334	0,32892	0,327425	0,332126	0,335304	0,32182
15	0,65849	0,661391	0,658189	0,647217	0,654645	0,647797	0,671824	0,664415	0,652512	0,671672	0,66	0,651268
30	0,896338	0,89741	0,888427	0,89458	0,87317	0,887727	0,903728	0,887882	0,882048	0,889449	0,872907	0,888284
45	1,00122	1,01392	1,00313	1,0075	1,00179	0,995085	1,02651	1,00624	1,00574	0,994746	1,00399	1,0112
60	1,20642	1,20816	1,20432	1,21334	1,19313	1,18894	1,2196	1,1974	1,20965	1,21049	1,20613	1,19189
Konsentrasi (ppm) Tablet Karbamazepin innovator (A)												
Menit	Tablet 1	Tablet 2	Tablet 3	Tablet 4	Tablet 5	Tablet 6	Tablet 7	Tablet 8	Tablet 9	Tablet 10	Tablet 11	Tablet 12
10	0,733875969	0,580833333	0,58503876	0,817403101	0,717170543	1,127170543	0,880503876	0,75620155	0,727226882	0,818333333	0,879922481	0,618604651
15	7,143217054	7,199437984	7,13783721	6,924748062	7,06870155	6,935988372	7,401627907	7,258042636	7,027364341	7,398682171	7,17248062	7,003255814
30	11,75267442	11,7734961	11,59936047	11,71860465	11,30368217	11,58579457	11,89589147	11,58879845	11,47573643	11,61916667	11,29858527	11,59658915
45	13,78527132	14,07015504	13,82226882	13,90697674	13,79631783	13,66637597	14,2753876	13,88255814	13,87286822	13,6598062	13,83895349	13,97868217
60	17,7620155	17,79573643	17,72131783	17,89612403	17,50445736	17,42325581	18,01744186	17,5872093	17,82848837	17,84089147	17,75639535	17,48042636
Jumlah Obat (mg)												
Menit	Tablet 1	Tablet 2	Tablet 3	Tablet 4	Tablet 5	Tablet 6	Tablet 7	Tablet 8	Tablet 9	Tablet 10	Tablet 11	Tablet 12
10	6,604883721	5,2275	5,265348837	7,356627907	6,454534884	10,14453488	7,924534884	6,805813953	6,54505814	7,365	7,919302326	5,56744186
15	64,28895349	64,79494186	64,23645349	62,32273256	63,61831395	62,42389535	66,61465116	65,32238372	63,24627907	66,58813953	64,55232558	63,02930233
30	105,7740698	105,9610465	104,3942442	105,4674419	101,7331395	104,2721512	107,0630233	104,299186	103,2816279	104,5725	101,6876774	104,36930233
45	124,0674419	126,6313953	124,4005814	125,1627907	124,1668605	122,9973837	128,4784884	124,9430233	124,855814	122,9382558	124,5505814	125,8081395
60	159,8381395	160,1616279	159,4918605	161,0651163	157,5401163	156,8093023	162,1569767	158,2848837	160,4563953	160,5680233	159,8075581	157,3238372
Faktor Koreksi												
Menit	Tablet 1	Tablet 2	Tablet 3	Tablet 4	Tablet 5	Tablet 6	Tablet 7	Tablet 8	Tablet 9	Tablet 10	Tablet 11	Tablet 12
10	0	0	0	0	0	0	0	0	0	0	0	0
15	0,036693798	0,029041667	0,029251938	0,040870155	0,035858527	0,056358527	0,044025194	0,037810078	0,036361434	0,040916667	0,043996124	0,030930233
30	0,393854651	0,389013566	0,386121124	0,387107558	0,389293605	0,403157946	0,414106589	0,400712209	0,387729651	0,410850775	0,402620155	0,3810930233
45	0,981488372	0,977686047	0,966089147	0,973037791	0,954477713	0,982447674	1,008901163	0,980152132	0,961516473	0,991809109	0,967549419	0,960922481
60	1,670751938	1,681193798	1,657203488	1,668386628	1,644293605	1,665766473	1,722670543	1,674280039	1,655159884	1,674799419	1,659497093	1,659856589
Jumlah Obat Terkoreksi (mg)												
Menit	Tablet 1	Tablet 2	Tablet 3	Tablet 4	Tablet 5	Tablet 6	Tablet 7	Tablet 8	Tablet 9	Tablet 10	Tablet 11	Tablet 12
10	6,604883721	5,2275	5,265348837	7,356627907	6,454534884	10,14453488	7,924534884	6,805813953	6,54505814	7,365	7,919302326	5,56744186
15	64,32584729	64,82398353	64,26570543	62,36360271	63,65417248	62,48025388	66,65867636	65,3601938	63,2826405	66,6290562	64,59632171	63,06023256
30	106,1679244	106,3500601	104,7803653	105,8545494	102,1224331	104,6753091	107,4771298	104,6998983	103,6693576	104,9835508	102,0898876	104,7503953
45	125,0489302	127,6090814	125,3666705	126,1358285	125,1213382	123,9798314	129,4873895	125,9231754	125,8173304	123,9300649	125,5181308	126,769062
60	161,5288915	161,8428217	161,149064	162,7335029	159,1844099	158,4750688	163,8796473	159,9591638	162,1115552	162,2428227	161,4670552	158,9836938
% Disolusi Tablet Karbamazepin innovator (A). Media Disolusi Dapar Asetat pH 4,5												
Menit	Tablet 1	Tablet 2	Tablet 3	Tablet 4	Tablet 5	Tablet 6	Tablet 7	Tablet 8	Tablet 9	Tablet 10	Tablet 11	Tablet 12
10	3,30244186	2,61375	2,632674419	3,678313953	3,227267442	5,072267442	3,962267442	3,402906977	3,27252907	3,6825	3,959651163	2,78372093
15	32,16282364	32,41199176	32,13285271	31,18180136	31,82708624	31,24012694	33,32933818	32,6800969	31,64132025	33,3145281	32,29816085	31,53011628
30	53,08396221	53,17503004	52,39018266	52,92727471	51,06121657	52,33765455	53,73856492	52,34994913	51,83467878	52,49167539	51,0449438	52,37519767
45	62,52446512	63,8045407	62,68333527	63,06791424	62,56066909	61,9899157	64,74369477	62,96158769	62,90866521	61,96503246	62,75906541	63,38453101
60	80,76444574	80,92141085	80,57453198	81,36675145	79,59220494	79,2375344	81,959802364	79,97958188	81,05577762	81,12141134	80,73352762	79,4918469

Lanjutan Lampiran 25.

Absorbansi Tablet Karbamazepin Generik Berlogo (B). Media Diolusi: Dapur Asetat pH 4,5												
Menit	Tablet 1	Tablet 2	Tablet 3	Tablet 4	Tablet 5	Tablet 6	Tablet 7	Tablet 8	Tablet 9	Tablet 10	Tablet 11	Tablet 12
10	0,483243	0,495348	0,478415	0,49985	0,491555	0,48039	0,487978	0,488642	0,497056	0,486022	0,499355	0,483912
15	0,792887	0,801987	0,794366	0,801767	0,790123	0,792755	0,79608	0,799963	0,789756	0,790894	0,810331	0,801361
30	0,961202	0,969766	0,963382	0,967073	0,963164	0,95287	0,954584	0,959844	0,962824	0,94881	0,96716	0,954036
45	1,10027	1,0711	1,10063	1,10054	1,09041	1,09466	1,08166	1,08546	1,10002	1,097	1,0777	1,0986
60	1,22969	1,20873	1,22716	1,21527	1,21483	1,17888	1,1847	1,21431	1,19407	1,20061	1,22581	1,21655
Konsentrasi (ppm) Tablet Karbamazepin Generik Berlogo (B)												
Menit	Tablet 1	Tablet 2	Tablet 3	Tablet 4	Tablet 5	Tablet 6	Tablet 7	Tablet 8	Tablet 9	Tablet 10	Tablet 11	Tablet 12
10	3,746957364	3,99124031	3,653391473	4,06879845	3,908042636	3,691666667	3,83872093	3,851589147	4,014651163	3,800813953	4,059205426	3,798682171
15	9,747810078	9,924166667	9,776472868	9,919903101	9,694244186	9,745251938	9,809689922	9,88494186	9,687131783	9,709186047	10,08387209	9,912034884
30	13,00972868	13,17569767	13,05197674	13,12350775	13,04775194	12,84825581	12,88147287	12,98341085	13,04116279	12,76957364	13,1251938	12,87082271
45	15,70484496	15,13953488	15,71182171	15,71007752	15,51375969	15,59612403	15,34418605	15,41782946	15,7	15,64147287	15,26744186	15,67249062
60	18,2129845	17,80678295	18,16395349	17,93352713	17,925	17,22829457	17,34108527	17,91492248	17,52267442	17,6494186	18,1377907	17,95833333
Jumlah Obat (mg)												
Menit	Tablet 1	Tablet 2	Tablet 3	Tablet 4	Tablet 5	Tablet 6	Tablet 7	Tablet 8	Tablet 9	Tablet 10	Tablet 11	Tablet 12
10	33,72261628	35,92116279	32,88052326	36,61918605	35,17238372	33,225	34,54848837	34,66430233	36,13186047	34,20732558	36,53284884	34,18813953
15	87,7302907	89,3175	87,98825581	89,27912791	87,24819767	87,70726744	88,2872093	88,96447674	87,18418605	87,38267442	90,77284884	89,20081395
30	117,0875581	118,5812791	117,4677907	118,1115698	117,4297674	115,634023	115,932558	116,8506977	117,3704651	114,9261628	118,1267442	115,8376744
45	141,3436047	136,255814	141,4063953	141,3906977	139,6238372	140,3651163	138,0976744	138,7604651	141,3	140,7732558	137,4069767	141,0523256
60	163,9168605	160,2610465	163,4755814	161,4017442	161,325	155,0546512	156,0697674	161,2343023	157,7040698	158,8447674	163,2401163	161,625
Faktor Koreksi												
Menit	Tablet 1	Tablet 2	Tablet 3	Tablet 4	Tablet 5	Tablet 6	Tablet 7	Tablet 8	Tablet 9	Tablet 10	Tablet 11	Tablet 12
10	0	0	0	0	0	0	0	0	0	0	0	0
15	0,187347868	0,199562016	0,182669574	0,203439922	0,195402132	0,184583333	0,191936047	0,192579457	0,200732558	0,190040698	0,202960271	0,189934109
30	0,674738372	0,695770349	0,671493217	0,699435078	0,680114341	0,67184593	0,682420543	0,68682655	0,685089147	0,6755	0,707253876	0,685535853
45	1,325224806	1,354555233	1,324092054	1,355610465	1,332501938	1,314258721	1,326494186	1,333997093	1,337147287	1,313978682	1,363513566	1,329078488
60	2,110467054	2,111591977	2,10968314	2,141114341	2,108189922	2,094064922	2,093703488	2,106888566	2,122147287	2,096052326	2,126885639	2,112702519
Jumlah Obat Terkoreksi (mg)												
Menit	Tablet 1	Tablet 2	Tablet 3	Tablet 4	Tablet 5	Tablet 6	Tablet 7	Tablet 8	Tablet 9	Tablet 10	Tablet 11	Tablet 12
10	33,72261628	35,92116279	32,88052326	36,61918605	35,17238372	33,225	34,54848837	34,66430233	36,13186047	34,20732558	36,53284884	34,18813953
15	87,91763857	89,51706202	88,17092539	89,48256783	87,44835981	87,89185078	88,47914535	89,1570562	87,3849186	87,57271512	90,97580911	89,39824806
30	117,7622965	119,2770494	118,1392839	118,8110048	118,1098818	116,3061483	116,6156764	117,5375242	118,0555543	115,6016628	118,8339981	116,5232103
45	142,6688295	137,6103692	142,7304874	142,7463081	140,9563391	141,679975	139,4241686	140,0964622	142,6371473	142,0872345	138,7704903	142,3814041
60	166,0273275	162,3725785	165,5852645	163,5428585	163,4331899	157,1487161	158,1634709	163,3411909	159,8262171	160,9408198	165,3670019	163,7377025
% Diolusi Tablet Karbamazepin Generik Berlogo (B). Media Diolusi: Dapur Asetat pH 4,5												
Menit	Tablet 1	Tablet 2	Tablet 3	Tablet 4	Tablet 5	Tablet 6	Tablet 7	Tablet 8	Tablet 9	Tablet 10	Tablet 11	Tablet 12
10	16,86130814	17,9405814	16,44026163	18,30939302	17,58619186	16,6125	17,27424419	17,33215116	18,06593023	17,10366279	18,26642442	17,09406977
15	43,95881928	44,75853101	44,08546269	44,74128391	43,7217999	43,94592539	44,23957267	44,5785281	43,6924593	43,78655756	45,48790455	44,69912403
30	58,88114826	59,63852471	59,06964196	59,40550242	59,05494089	58,15307413	58,30783818	58,76876211	59,02777713	57,8008314	59,41699903	58,26160514
45	71,33441473	68,80518459	71,3652437	71,37315407	70,47816957	70,8396875	69,7120843	70,0482311	71,31857364	71,04361725	69,38524516	71,19070203
60	83,01366376	81,18628924	82,79263227	81,77142926	81,71659496	78,57435804	79,08173547	81,67059545	79,91310853	80,47040988	82,6850097	81,86885126

Lanjutan Lampiran 25.

Absorbansi Tablet Karbamazepin Generik Bermerek (C). Media Disolusi Dapur Asetat pH 4,5												
Menit	Tablet 1	Tablet 2	Tablet 3	Tablet 4	Tablet 5	Tablet 6	Tablet 7	Tablet 8	Tablet 9	Tablet 10	Tablet 11	Tablet 12
10	0,402482	0,412263	0,41502	0,414034	0,409397	0,404103	0,414538	0,412565	0,408993	0,416028	0,409294	0,414463
15	0,695439	0,691844	0,690114	0,710493	0,700001	0,713638	0,708592	0,705376	0,702547	0,696192	0,685648	0,692849
30	0,8773	0,871238	0,880077	0,878795	0,875656	0,855047	0,876662	0,870487	0,868713	0,873487	0,862745	0,883351
45	0,968443	0,946703	0,951908	0,945499	0,96235	0,954815	0,960066	0,964218	0,972113	0,961498	0,965925	0,961021
60	1,03031	1,02833	1,03036	1,04292	1,03954	1,04213	1,02826	1,02652	1,03241	1,01847	1,03023	1,02834
Konsentrasi (ppm) Tablet Karbamazepin Generik Bermerek (C)												
Menit	Tablet 1	Tablet 2	Tablet 3	Tablet 4	Tablet 5	Tablet 6	Tablet 7	Tablet 8	Tablet 9	Tablet 10	Tablet 11	Tablet 12
10	2,181821705	2,371373969	2,424806202	2,405697674	2,315833333	2,213236434	2,415465116	2,377228682	2,308003876	2,444341085	2,313837209	2,414011638
15	7,859282946	7,789612403	7,756085271	8,151027132	7,947693798	8,211977644	8,114186047	8,051860465	7,997034884	7,873875969	7,669534884	7,809089147
30	11,38372093	11,26662791	11,43753876	11,4126938	11,35186047	10,95246124	11,37135659	11,25168605	11,2173062	11,30982558	11,10164729	11,50098837
45	13,15005814	12,72874031	12,8296124	12,70540698	13,03197674	12,88594961	12,98771318	13,06817829	13,22118217	13,01546512	13,10125969	13,00622093
60	14,34903101	14,31065891	14,35	14,59341085	14,52790698	14,57810078	14,30930233	14,2755814	14,38972868	14,11957364	14,34748062	14,31085271
Jumlah Obat (mg)												
Menit	Tablet 1	Tablet 2	Tablet 3	Tablet 4	Tablet 5	Tablet 6	Tablet 7	Tablet 8	Tablet 9	Tablet 10	Tablet 11	Tablet 12
10	19,63639535	21,34238372	21,82325581	21,65127907	20,8425	19,91912791	21,73918605	21,39505814	20,77203488	21,99906977	20,82453488	21,72610465
15	70,73354651	70,10651163	69,80476744	73,35924419	71,52924419	73,907907	73,02767442	72,46674419	71,97331395	70,86488372	69,02581395	70,28180233
30	102,4534884	101,3996512	102,9378488	102,7142442	102,1667442	98,57215116	102,3422093	101,2651744	100,9557558	101,7884302	99,91482558	103,5088953
45	118,3505233	114,5586628	115,4665116	114,3486628	117,2877907	115,9735465	116,8394186	117,6136047	118,9906395	117,139186	117,9113372	117,0559884
60	129,11421791	128,7959302	129,15	131,3406977	130,7511628	131,202907	128,7837209	128,4802326	129,5075581	127,0761628	129,1273256	128,7976744
Faktor Koreksi												
Menit	Tablet 1	Tablet 2	Tablet 3	Tablet 4	Tablet 5	Tablet 6	Tablet 7	Tablet 8	Tablet 9	Tablet 10	Tablet 11	Tablet 12
10	0	0	0	0	0	0	0	0	0	0	0	0
15	0,109091085	0,118568798	0,12124031	0,120284884	0,115791667	0,110661822	0,120773256	0,118861434	0,115400194	0,122217054	0,11569186	0,120700581
30	0,502055233	0,508049419	0,509044574	0,52783624	0,513176357	0,521260659	0,526482558	0,521454457	0,515251938	0,515910853	0,499168605	0,511155039
45	1,0711241279	1,071380814	1,080921512	1,09847093	1,08076938	1,068883721	1,095050388	1,08403876	1,076117248	1,081402132	1,054250969	1,086204457
60	1,728744186	1,707817829	1,722402132	1,733741279	1,732368217	1,713181202	1,744436047	1,737447674	1,737176357	1,732175388	1,709313953	1,736515504
Jumlah Obat Terkoreksi (mg)												
Menit	Tablet 1	Tablet 2	Tablet 3	Tablet 4	Tablet 5	Tablet 6	Tablet 7	Tablet 8	Tablet 9	Tablet 10	Tablet 11	Tablet 12
10	19,63639535	21,34238372	21,82325581	21,65127907	20,8425	19,91912791	21,73918605	21,39505814	20,77203488	21,99906977	20,82453488	21,72610465
15	70,8426376	70,22508043	69,92600775	73,47952907	71,64503385	74,01845252	73,14844767	72,58560562	72,08871415	70,98710078	69,14150581	70,40250291
30	102,9555436	101,9077006	103,4468934	103,2420804	102,6799205	99,09341182	102,8686919	101,7866289	101,4710078	102,3043411	100,4139942	104,0200504
45	119,4217645	115,6300436	116,5474331	115,4471337	118,3685601	117,0424302	117,984469	118,6976434	120,0667568	118,2205882	118,9655882	118,1421928
60	130,8700233	130,5037481	130,8724021	133,074439	132,483331	132,9160882	130,528157	130,2176802	131,2447345	128,8083382	130,8366395	130,5341899
% Disolusi Tablet Karbamazepin Generik Bermerek (C). Media Disolusi Dapur Asetat pH 4,5												
Menit	Tablet 1	Tablet 2	Tablet 3	Tablet 4	Tablet 5	Tablet 6	Tablet 7	Tablet 8	Tablet 9	Tablet 10	Tablet 11	Tablet 12
10	9,818197674	10,67119186	10,91162791	10,82563953	10,42125	9,959563953	10,86959302	10,69752907	10,38601744	10,99933488	10,41226744	10,86305233
15	35,4213188	35,11254021	34,96300388	36,73976453	35,82251793	37,00922626	36,57422384	36,29280281	36,04435707	35,49355039	34,57075291	35,20125145
30	51,4777718	50,95388029	51,72344671	51,62104021	51,33996027	49,54670591	51,43434593	50,89331444	50,73550388	51,15217054	50,20699709	52,01002519
45	59,71088227	57,8150218	58,27371657	57,72356686	59,18428004	58,52121512	58,9922345	59,34832171	60,03337839	59,11029409	59,48279409	59,07109641
60	65,43501163	65,25187403	65,43620107	66,53721948	66,2417655	66,45804409	65,26407849	65,10884012	65,62236725	64,40416909	65,41831977	65,26709496

Lampiran 26. % Disolusi Tablet Karbamazepin Dalam Media Disolusi Dapar Fosfat pH 6,8

Absorbansi Tablet Karbamazepin innovator (A). Media Disolusi Dapar Fosfat pH 6,8												
Menit	Tablet 1	Tablet 2	Tablet 3	Tablet 4	Tablet 5	Tablet 6	Tablet 7	Tablet 8	Tablet 9	Tablet 10	Tablet 11	Tablet 12
10	0,369897	0,376353	0,356576	0,354515	0,377709	0,372937	0,371499	0,362906	0,366194	0,356004	0,366208	0,356806
15	0,639751	0,634861	0,683272	0,679897	0,660578	0,657565	0,654634	0,638125	0,636389	0,646753	0,670354	0,699185
30	0,861931	0,865141	0,888551	0,886246	0,860898	0,880048	0,877088	0,858296	0,856061	0,82827	0,83656	0,828826
45	0,973552	0,938918	0,947821	0,976362	0,931082	0,954657	0,931843	0,916646	0,935261	0,933364	0,902438	0,934794
60	1,25277	1,24791	1,30994	1,31038	1,249	1,28027	1,27516	1,27395	1,29227	1,2738	1,24518	1,22617
Konsentrasi (ppm) Tablet Karbamazepin innovator (A)												
Menit	Tablet 1	Tablet 2	Tablet 3	Tablet 4	Tablet 5	Tablet 6	Tablet 7	Tablet 8	Tablet 9	Tablet 10	Tablet 11	Tablet 12
10	1,61725	1,741403846	1,361076923	1,321442308	1,767480769	1,675711538	1,648057692	1,482807692	1,546038462	1,350076923	1,546307692	1,3655
15	7,191365385	7,097326923	7,643692308	7,578788462	7,207269231	7,149326923	7,092961538	7,160096154	7,126711538	6,941403846	7,395269231	7,949711538
30	11,07944231	11,14117308	11,59136538	11,54703846	11,05957692	11,43615385	11,37092308	11,00953846	10,96655769	10,43211538	10,91538461	10,44280769
45	13,26384615	12,55996154	12,73117308	13,28388462	12,40926923	12,86263462	12,43290385	12,13165385	12,48963462	12,45315385	11,85842308	12,48063385
60	18,59537692	18,50211538	19,695	19,70346154	18,52307692	19,12442308	19,02615385	19,00288462	19,35519231	19	18,44961538	18,09403846
Jumlah Obat (mg)												
Menit	Tablet 1	Tablet 2	Tablet 3	Tablet 4	Tablet 5	Tablet 6	Tablet 7	Tablet 8	Tablet 9	Tablet 10	Tablet 11	Tablet 12
10	14,55525	15,67263462	12,24969231	11,89298077	15,90732692	15,08140385	14,83251923	13,34526923	13,91434615	12,15069231	13,91676923	12,2895
15	64,72228846	63,87594231	68,79323077	68,20909615	64,86542308	64,34394231	63,83665385	64,44086538	64,14040385	62,47263462	66,55742308	71,54740385
30	99,71498077	100,2705577	104,3222885	103,9233462	99,53619231	102,9253846	102,3383077	99,08584615	98,69901923	93,88903846	95,32384615	93,98526923
45	119,3746154	113,0396338	114,5805577	119,5549615	111,6834231	115,7637115	111,8151346	109,1848846	112,4067115	112,0783846	106,7258077	112,3258846
60	167,3601923	166,5190385	177,255	177,3311538	166,7076923	172,1198077	171,2353846	171,0259615	174,1967308	171	166,0465385	162,7563462
Faktor Koreksi												
Menit	Tablet 1	Tablet 2	Tablet 3	Tablet 4	Tablet 5	Tablet 6	Tablet 7	Tablet 8	Tablet 9	Tablet 10	Tablet 11	Tablet 12
10	0	0	0	0	0	0	0	0	0	0	0	0
15	0,0808625	0,087070192	0,068053846	0,066072115	0,088374038	0,083785577	0,082402885	0,074140385	0,077301923	0,067503846	0,077315385	0,068275
30	0,440430769	0,441936538	0,450238462	0,445011538	0,4487875	0,441251923	0,437050962	0,432145192	0,4336375	0,414574038	0,447078846	0,465760577
45	0,994402885	0,998995192	1,029806731	1,022363462	1,001716346	1,013059615	1,005597115	0,982622115	0,981965385	0,936179808	0,976655769	0,987900962
60	1,657595192	1,626993269	1,666363385	1,686557692	1,622179808	1,656191346	1,626792308	1,589204808	1,606447115	1,5588375	1,569576923	1,611933634
Jumlah Obat Terkoreksi (mg)												
Menit	Tablet 1	Tablet 2	Tablet 3	Tablet 4	Tablet 5	Tablet 6	Tablet 7	Tablet 8	Tablet 9	Tablet 10	Tablet 11	Tablet 12
10	14,55525	15,67263462	12,24969231	11,89298077	15,90732692	15,08140385	14,83251923	13,34526923	13,91434615	12,15069231	13,91676923	12,2895
15	64,80315096	63,9630125	68,86128462	68,27516827	64,95379712	64,42772788	63,91905673	64,51500577	64,21770577	62,54013846	66,63473846	71,61567885
30	100,1554115	100,7124942	104,7725269	104,3683577	99,98492981	103,3666365	102,7753387	99,51799135	99,13265673	94,3036125	95,770925	94,45102981
45	120,3690183	114,038649	115,6103644	120,577325	112,6851394	116,7767712	112,8207317	110,1675067	113,3886769	113,0145644	107,7024635	113,3137856
60	169,0177875	168,1460317	178,9213654	179,0177115	168,3298721	173,775999	172,8621769	172,6151663	175,8031779	172,5588375	167,6161154	164,3682798
% Disolusi Tablet Karbamazepin innovator (A). Media Disolusi Dapar Fosfat pH 6,8												
Menit	Tablet 1	Tablet 2	Tablet 3	Tablet 4	Tablet 5	Tablet 6	Tablet 7	Tablet 8	Tablet 9	Tablet 10	Tablet 11	Tablet 12
10	7,277625	7,836317308	6,124846154	5,946490385	7,953663462	7,540701923	7,416259615	6,672634615	6,957173077	6,075346154	6,958384615	6,14475
15	32,40157548	31,98150625	34,43064231	34,13758413	32,47689856	32,21386394	31,95952837	32,25750288	32,10885288	31,27006923	33,31736923	35,80783942
30	50,0770577	50,35624712	52,38626346	52,18417885	49,9924649	51,68331827	51,38767933	49,75899567	49,56632837	47,15180625	47,8854625	47,2255149
45	60,18450913	57,01932452	57,80518221	60,2886625	56,34256971	58,38838558	56,41036587	55,08375337	56,69433846	56,50728221	53,85123173	56,65689279
60	84,50889375	84,07301587	89,46068269	89,50885577	84,16493606	86,88799952	86,43108846	86,30758317	87,90158894	86,27941875	83,80805769	82,1841399

Lanjutan Lampiran 26.

Absorbansi Tablet Karbamazepin Generik Berlogo (B). Media Disolusi Dapur Fosfat pH 6,8												
Menit	Tablet 1	Tablet 2	Tablet 3	Tablet 4	Tablet 5	Tablet 6	Tablet 7	Tablet 8	Tablet 9	Tablet 10	Tablet 11	Tablet 12
10	0,431526	0,430607	0,421362	0,42374	0,44091	0,433536	0,443808	0,435987	0,437799	0,440741	0,435581	0,449704
15	0,69666	0,701031	0,699041	0,695845	0,6706	0,676929	0,674538	0,676971	0,680277	0,679305	0,706774	0,684722
30	0,792824	0,797052	0,794488	0,82788	0,822899	0,812632	0,818293	0,794705	0,808354	0,811506	0,815299	0,809113
45	0,987212	0,983486	0,980059	0,98318	0,978055	0,975916	0,976812	0,974049	0,978112	0,983347	0,985399	0,970563
60	1,17149	1,21324	1,20419	1,18054	1,16905	1,19972	1,22246	1,21772	1,205	1,19986	1,2782	1,19553
Konsentrasi (ppm) Tablet Karbamazepin Generik Berlogo (B)												
Menit	Tablet 1	Tablet 2	Tablet 3	Tablet 4	Tablet 5	Tablet 6	Tablet 7	Tablet 8	Tablet 9	Tablet 10	Tablet 11	Tablet 12
10	2,802423077	2,78475	2,606961538	2,652692308	2,982884615	2,837615385	3,038615385	2,888211538	2,923057692	2,979634615	2,880403846	3,152
15	7,901153846	7,985211538	7,946942308	7,885480769	7,4	7,521711538	7,475370769	7,522519231	7,586096154	7,567403846	8,095633846	7,671576923
30	9,750461538	9,831769231	9,782461538	10,42461538	10,32882692	10,13138462	10,24025	9,786634615	10,04911538	10,10973077	10,18267308	10,06371154
45	13,48869231	13,41703846	13,35113462	13,41115385	13,31259615	13,27146154	13,28869231	13,23555769	13,31369231	13,41436538	13,45382692	13,16851923
60	17,0325	17,83538462	17,66134615	17,20653846	16,98557692	17,57538462	18,01269231	17,92153846	17,67692308	17,57807692	19,08461538	17,49480769
Jumlah Obat (mg)												
Menit	Tablet 1	Tablet 2	Tablet 3	Tablet 4	Tablet 5	Tablet 6	Tablet 7	Tablet 8	Tablet 9	Tablet 10	Tablet 11	Tablet 12
10	25,22180769	25,06275	23,46265385	23,87423077	26,84596154	25,53853846	27,34753846	25,99390385	26,30751923	26,81671154	25,92363462	28,368
15	71,11038462	71,86690385	71,52248077	70,96932692	66,6	67,69540385	67,28157692	67,70267308	68,27486538	68,10663462	72,86088462	69,04119231
30	87,75415385	88,48392308	88,04215385	93,82153846	92,95944231	91,18246154	92,16225	88,07971154	90,44203846	90,98757692	91,64405769	90,57340385
45	121,3982308	120,753462	120,1602115	120,7003846	119,8133654	119,4431538	119,5982308	119,1200192	119,8332308	120,7292885	121,0844423	118,5166731
60	153,2925	160,5184615	158,9521154	154,8588462	152,8701923	158,1784615	162,1142308	161,2998462	159,0923077	158,2026923	171,7615385	157,4532692
Faktor Koreksi												
Menit	Tablet 1	Tablet 2	Tablet 3	Tablet 4	Tablet 5	Tablet 6	Tablet 7	Tablet 8	Tablet 9	Tablet 10	Tablet 11	Tablet 12
10	0	0	0	0	0	0	0	0	0	0	0	0
15	0,140121154	0,1392375	0,130348077	0,132634615	0,149144231	0,141880769	0,151930769	0,144410577	0,146152885	0,148981731	0,144020192	0,1576
30	0,535178846	0,538498077	0,527695192	0,526908654	0,519144231	0,517966346	0,525717308	0,520536538	0,525457692	0,527351923	0,548802885	0,541178846
45	1,022701923	1,030086538	1,016818269	1,048139423	1,035585577	1,024535577	1,037729808	1,009688269	1,027913462	1,032838462	1,057936538	1,044364423
60	1,697136538	1,700938462	1,684375	1,718697115	1,701215385	1,688108654	1,702164423	1,671646154	1,693598077	1,703556731	1,730627885	1,702790385
Jumlah Obat Terkoreksi (mg)												
Menit	Tablet 1	Tablet 2	Tablet 3	Tablet 4	Tablet 5	Tablet 6	Tablet 7	Tablet 8	Tablet 9	Tablet 10	Tablet 11	Tablet 12
10	25,22180769	25,06275	23,46265385	23,87423077	26,84596154	25,53853846	27,34753846	25,99390385	26,30751923	26,81671154	25,92363462	28,368
15	71,25050577	72,00614135	71,65282885	71,10196154	66,74914423	67,83728462	67,43350769	67,84708365	68,42101827	68,25361635	73,00490481	69,20179231
30	88,2893269	89,02442115	88,56984904	94,34844712	93,47858654	91,70042788	92,68796731	88,60024808	90,96749615	91,51492885	92,19286058	91,1145269
45	122,4209327	121,7834327	121,1770298	121,748524	120,848951	120,4676894	120,6359606	120,1298875	120,8511442	121,7621269	122,1423788	119,5610375
60	154,9896365	162,2194	160,6364904	156,5775433	154,5714077	159,8665702	163,8163952	162,9654923	160,7839058	159,906249	173,4921663	159,1560396
% Disolusi Tablet Karbamazepin Generik Berlogo (B). Media Disolusi Dapur Fosfat pH 6,8												
Menit	Tablet 1	Tablet 2	Tablet 3	Tablet 4	Tablet 5	Tablet 6	Tablet 7	Tablet 8	Tablet 9	Tablet 10	Tablet 11	Tablet 12
10	12,61090385	12,531375	11,73132692	11,93711538	13,42298077	12,76926923	13,67376923	12,99695192	13,15975962	13,40835577	12,96181731	14,184
15	35,62525288	36,00307067	35,82641442	35,55098077	33,37457212	33,91864231	33,71675385	33,92354183	34,21050913	34,12780817	36,5024524	34,60089615
30	44,14466635	44,51221058	44,28492452	47,17422356	46,73929327	45,85021394	46,34398365	44,30012404	45,48374808	45,75746442	46,09643029	45,55729135
45	61,21046635	60,89171635	60,5885149	60,87426202	60,42447548	60,23384471	60,31798029	60,06494375	60,42557212	60,88106346	61,07118942	59,78051875
60	77,49481827	81,1097	80,31824519	78,28877163	77,28370385	79,9332851	81,9081976	81,48274615	80,39295388	79,95312452	86,74608317	79,57802981

Lanjutan Lampiran 26.

Absorbansi Tablet Karbamazepin Generik Bermerek (C) Media Disolusi Dapar Fosfat pH 6,8												
Menit	Tablet 1	Tablet 2	Tablet 3	Tablet 4	Tablet 5	Tablet 6	Tablet 7	Tablet 8	Tablet 9	Tablet 10	Tablet 11	Tablet 12
10	0,416064	0,4149	0,413181	0,419064	0,418805	0,442825	0,416242	0,426756	0,444853	0,443526	0,444757	0,466795
15	0,689227	0,673053	0,685717	0,673453	0,679983	0,683215	0,689019	0,688331	0,696857	0,699905	0,688739	0,700288
30	0,809159	0,790382	0,793319	0,789632	0,794008	0,799192	0,803216	0,800939	0,805856	0,815684	0,818389	0,802154
45	0,969974	0,977446	0,981458	0,976683	0,98177	0,981059	0,982755	0,984204	0,978728	0,973377	0,969624	0,976277
60	1,02016	1,02776	1,03006	1,02716	1,03164	1,03348	1,01589	1,01949	1,01577	1,01389	1,01174	1,00276
Konsentrasi (ppm) Tablet Karbamazepin Generik Bermerek (C)												
Menit	Tablet 1	Tablet 2	Tablet 3	Tablet 4	Tablet 5	Tablet 6	Tablet 7	Tablet 8	Tablet 9	Tablet 10	Tablet 11	Tablet 12
10	2,505076923	2,482692308	2,449634615	2,562769231	2,557788462	3,019711538	2,5085	2,710692308	3,058711538	3,033192308	3,056865385	3,480673077
15	7,758211538	7,447173077	7,690711538	7,454865385	7,580442308	7,642596154	7,754211538	7,740980769	7,904942308	7,952019231	7,748826923	7,970923077
30	10,06459615	9,7035	9,759980769	9,689076923	9,773230769	9,872923077	9,950307692	9,906903846	10,00107692	10,19007692	10,24209615	9,929884615
45	13,15719231	13,30088462	13,37803846	13,28621154	13,38403846	13,37036538	13,40298077	13,43084615	13,32533846	13,22263462	13,15046154	13,27840385
60	14,12230769	14,26846154	14,31269231	14,25692308	14,34307692	14,37846154	14,04019231	14,10942308	14,03788462	14,00173077	13,96038462	13,78769231
Jumlah Obat (mg)												
Menit	Tablet 1	Tablet 2	Tablet 3	Tablet 4	Tablet 5	Tablet 6	Tablet 7	Tablet 8	Tablet 9	Tablet 10	Tablet 11	Tablet 12
10	22,54569231	22,34423077	22,04671154	23,06492308	23,02009615	27,17740385	22,5765	24,39623077	27,52840385	27,29873077	27,51178946	31,32605769
15	69,82390385	67,02455769	69,21640385	67,09378846	68,22398077	68,78336538	69,78790385	69,66882692	71,14448077	71,56817308	69,73944231	71,73830769
30	90,58136538	87,3315	87,83982692	87,20169231	87,95907692	88,35630769	89,55276923	89,16213462	90,00969231	91,71069231	92,17886538	89,36896154
45	118,4147308	119,7079615	120,4023462	119,5759038	120,4563462	120,3332885	120,6268269	120,8776154	119,9298462	119,0037115	118,3541538	119,50563462
60	127,1007692	128,4161538	128,8142308	128,3123077	129,0876923	129,4061538	126,3617308	126,9848077	126,3409615	126,0155769	125,6434615	124,0892308
Faktor Koreksi												
Menit	Tablet 1	Tablet 2	Tablet 3	Tablet 4	Tablet 5	Tablet 6	Tablet 7	Tablet 8	Tablet 9	Tablet 10	Tablet 11	Tablet 12
10	0	0	0	0	0	0	0	0	0	0	0	0
15	0,125259346	0,124134615	0,122481731	0,128138462	0,127889423	0,150985577	0,125425	0,135534615	0,152935577	0,151659615	0,152843269	0,174033634
30	0,513164423	0,496493269	0,507017308	0,500881731	0,506911538	0,533115385	0,513135577	0,522583654	0,548182692	0,549260577	0,540284615	0,572579808
45	1,016394231	0,981668269	0,999016346	0,985335577	0,995573077	1,026761538	1,010650962	1,017928846	1,048236538	1,058764423	1,052389423	1,069074038
60	1,674259346	1,6467125	1,663918269	1,649646154	1,664775	1,695279808	1,6808	1,689471154	1,714513462	1,719896154	1,7099125	1,732994231
Jumlah Obat Terkoreksi (mg)												
Menit	Tablet 1	Tablet 2	Tablet 3	Tablet 4	Tablet 5	Tablet 6	Tablet 7	Tablet 8	Tablet 9	Tablet 10	Tablet 11	Tablet 12
10	22,54569231	22,34423077	22,04671154	23,06492308	23,02009615	27,17740385	22,5765	24,39623077	27,52840385	27,29873077	27,51178946	31,32605769
15	69,94915769	67,14869231	69,33888558	67,22192692	68,35187019	68,93455096	69,91332885	69,80436154	71,29741635	71,71983269	69,89228558	71,91234135
30	91,09452981	87,82799327	88,34684423	87,70257404	88,46598846	89,38942308	90,06590481	89,68471827	90,557875	92,25995288	92,71915	89,94154135
45	119,431125	120,6896298	121,3973625	120,5612394	121,4519192	121,36005	121,6374779	121,8955442	120,9780827	120,062476	119,4054633	120,5747087
60	128,7750231	130,0628663	130,478149	129,9619538	130,7524673	131,1014337	128,0425308	128,6742788	128,055475	127,7354731	127,333374	125,822225
% Disolusi Tablet Karbamazepin Generik Bermerek (C) Media Disolusi Dapar Fosfat pH 6,8												
Menit	Tablet 1	Tablet 2	Tablet 3	Tablet 4	Tablet 5	Tablet 6	Tablet 7	Tablet 8	Tablet 9	Tablet 10	Tablet 11	Tablet 12
10	11,27284615	11,17211538	11,02335577	11,53246154	11,51004808	13,58870192	11,28825	12,19811538	13,76420192	13,64936538	13,75589423	15,66302885
15	34,97457885	33,57434615	34,66944279	33,61096346	34,1759351	34,46717548	34,95666442	34,90218077	35,64870817	35,85991635	34,94614279	35,95617067
30	45,5472649	43,91399663	44,17342212	43,85128702	44,23299423	44,69471154	45,0329524	44,84235913	45,2789375	46,12997644	46,3399575	44,97077067
45	59,7135625	60,3448149	60,69868125	60,28061971	60,72595962	60,680025	60,81873894	60,94777212	60,48904135	60,03123798	59,70527163	60,28735433
60	64,38751154	65,03143317	65,23907452	64,98097692	65,37623365	65,55071683	64,02126538	64,33713942	64,0277375	63,86773654	63,67668702	62,9111125

Lampiran 27. Perhitungan Persen Terdisolusi

Persen terdisolusi = $(V \times F \times C + FK) \times 1/Ke \times 100 \%$

Keterangan:

V = Volume media disolusi (dalam mL)

F = Faktor pengenceran

C = Kadar larutan yang diukur (dalam mg per mL)

Ke = Kadar karbamazepin per tablet yang tertera pada etiket (dalam mg)

FK = Faktor Koreksi

Contoh perhitungan persen terdisolusi tablet ke-1 (menit ke-10) pada tablet karbamazepin inovator (A) dalam media disolusi dapar HCl pH 1,2.

Diketahui:

V = 900 mL

F = 10

C = 2,097 ppm atau 0,002097 mg/mL

Ke = 200 mg

FK = 0

Persen terdisolusi = $(V \times F \times C + FK) \times 1/Ke \times 100 \%$

Persen terdisolusi = $(900 \text{ mL} \times 10 \times 0,002097 \text{ mg/mL} + 0) \times 1/200 \text{ mg} \times 100 \%$

Persen terdisolusi = $(18,8873) \times 0,005 \times 100 \%$

Persen terdisolusi = 9.44 %