LAMPIRAN

Lampiran 1. Hasil Determinasi Tanaman Jahe Merah

KEMENTERIAN PENDIDIKAN KEBUDAYAAN
RISET DAN TEKNOLOGI
U N I V E R S I T A S D I P O N E G O R O
FAKULTAS SAINS DAN MATEMATIKA
LAB EKOLOGI & BIOSISTEMATIK JURUSAN BOLOGI
Jl. Prof H Soedarto SH Tembalang Semarang, 024 7474754, 024 76480923

SURAT KETERANGAN

Yang bertanda tangan dibawah ini, menyatakan bahwa mahasiswa sbb :

Nama	: Rinta Novita Atmanegara
NIM	: 051201038
Prodi/Fakultas	: S1 Farmasi/Kesehatan
Perguruan Tinggi	: Universitas Ngudi Waluyo
Judul	: Pengaruh Waktu Pengendapan Sari Jahe Merah Merah (*Zingiber officinale* var. *rubrum*) Terhadap Stabilitas Mutu Fisik dan Aktivitas Antioksidan Serbuk Instan Jahe Merah.

Telah melakukan identifikasi sampel tumbuhan (satu jenis) di Laboratorium Ekologi dan Biosistematika Departemen Biologi FSM UNDIP. Hasil determinasi/identifikasi terlampir.

Demikian surat keterangan ini dibuat untuk dapat digunakan seperlunya.

Semarang, 13 November 2023
Laboratorium Ekologi & Biosistematik
Kepala,

Rully Rahadian, S.Si, M.Si.PhD
NIP 197207022000031001

KEMENTERIAN PENDIDIKAN KEBUDAYAAN
RISET DAN TEKNOLOGI
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HASIL DETERMINASI

Klasifikasi:

Kingdom	: Plantae
SubKingdom	: Tracheobionta
Superdivisi	: Spermatophyta (Tumbuhan berbiji)
Divisi	: Magnoliophyta (Tumbuhan berbunga)
Kelas	: Liliopsida (Monocotyledoneae)
Ordo	: Zingiberales
Famili	: Zingiberaceae
Genus	: Zingiber
Species	: *Zingiber officinale* Roscoe
Sinonim	: *Zingiber officinale* var *rubrum* Theilade
Nama lokal	: Jahe merah

Kunci Determinasi:
1b-2b-3b-4b-12b-13b-14b-17b-18b-19b-20b-21b-22b-23b-24b-25b-26b-27a-28b-29b-30b-31a-32a-33b-34b-333a-334b-335a-336a-337b-338a-339b--340a-Fam 207. Zingiberaceae-1a-2b-6a- Genus Zingiber-1a-2b-6a-7b-Speccies:*Zingiber officinale* var *rubrum*

Deskripsi:
Terna berbatang semu, tinggi 30 cm sampai 1 m, rimpang bila dipotong berwarna kuning atau jingga. Daun sempit, panjang 15-23 mm, lebar 8-15 mm ; tangkai daun berbulu, panjang 2-4 mm ; bentuk lidah daun memanjang, panjang 7,5-10 mm, dan tidak berbulu; seludang agak berbulu. Perbungaan berupa malai tersembul dipermukaan tanah, berbentuk tongkat atau bundar telur yang sempit, 2,75-3 kali lebarnya, sangat tajam ; panjang malai 3,5-5 cm, lebar 1,5-1,75 cm ; gagang bunga hampir tidak berbulu, panjang 25 cm, rahis berbulu jarang ; sisik pada gagang terdapat 5-7 buah, berbentuk lanset, letaknya berdekatan atau rapat, hampir tidak berbulu, panjang sisik 3-5 cm; daun pelindung berbentuk bundar telur terbalik, bundar pada ujungnya, tidak berbulu, berwarna hijau cerah, panjang 2,5 cm, lebar 1-1,75 cm ; mahkota bunga berbentuk tabung 2-2,5 cm, helainya agak sempit, berbentuk tajam, berwarna kuning kehijauan, panjang 1,5-2,5 mm, lebar 3-3,5 mm, bibir berwarna ungu, gelap, berbintik-bintik berwarna putih kekuningan, panjang 12-15 mm ; kepala sari berwarna ungu, panjang 9 mm ; tangkai putik 2.
Jahe dibedakan menjadi 3 jenis berdasarkan ukuran, bentuk dan warna rimpangnya. Umumnya dikenal 3 varietas jahe yaitu: jahe putih, jahe emprit dan jahe merah. Jahe merah rimpangnya berwarna merah dan lebih kecil dari pada jahe putih kecil. sama seperti jahe kecil, jahe merah selalu dipanen setelah tua, dan juga memiliki kandungan minyak atsiri yang sama dengan jahe kecil, sehingga cocok untuk ramuan obat-obatan.

Gambar 1: Habitus tanaman Jahe Merah (*Zingiber oficinalle* var *rubrum* Theilade)

Pustaka:

1. Backer, C.A & Backuizen van den Brink. 1968. Flora of Java. Vol. 1& Vol.II. Noordhof N.V. Gronigen. The Netherland
2. Steenis, 1992. Flora Untuk Sekolah di Indonesia. Penerbit PT. Pradnya Paramita Jakarta
3. The Plant List, 2022. Zingiber officinale. http://www.theplantlist.org/tpl1.1/search?q=Zingiber+officinale (20 Desember 2022)
4. https://powo.science.kew.org/results?f=accepted_names&q=zingiber%20officinale (20 Desember 2022)
5. Centra Informasi IPTEK,2005. TTG-Budidaya Jahe http://www.iptek.net.id/ind/pd_tanobat/view.php?id=287 (5 Maret 2014)

Lampiran 2. Dokumentasi Pembuatan Serbuk Instan Jahe Merah

Penimbangan jahe 800 g

Penghalusan

Pemisahan filtrat

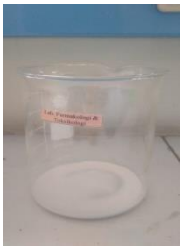
Hasil sari jahe

Penimbangan gula

Pemasakan

Pengkristalan

Pengayakan



Pengendapan 2 jam

Pengendapan 4 jam

Pengendapan 6 jam

Lampiran 3. Dokumentasi Pengujian Stabilitas

Siklus 1	 Penyimpanan suhu 40ºC	 Penyimpanan suhu 4ºC
Siklus 2	 Penyimpanan suhu 40ºC	 Penyimpanan suhu 4ºC
Siklus 3	 Penyimpanan suhu 40ºC	 Penyimpanan suhu 4ºC
Siklus 4	 Penyimpanan suhu 40ºC	 Penyimpanan suhu 4ºC
Siklus 5	 Penyimpanan suhu 40ºC	 Penyimpanan suhu 4ºC
Siklus 6	 Penyimpanan suhu 40ºC	 Penyimpanan suhu 4ºC

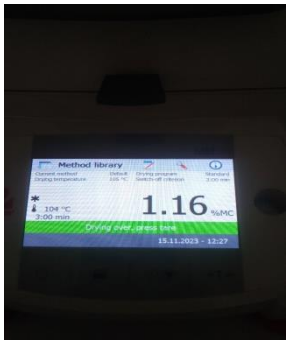
Lampiran 4. Dokumentasi Uji Organoleptis

Perlakuan	Sebelum Pengujian Stabilitas	Sesudah Pengujian Stabilitas
Pengendapan 0 Jam		
Pengendapan 2 Jam		
Pengendapan 4 Jam		
Pengendapan 6 jam		

Hasil pengujian organoleptis serbuk instan jahe merah

Pengamatan	R1	R2	R3
0 Jam			
Warna	Coklat muda	Coklat muda	Coklat muda
Bentuk	Serbuk kristal	Serbuk kristal	Serbuk kristal
Aroma	Khas jahe	Khas jahe	Khas jahe
Rasa	Pedas, manis dan pahit diakhir	Pedas dan manis	Pedas dan manis
2 Jam			
Warna	Coklat muda	Coklat muda	Coklat muda
Bentuk	Serbuk kristal	Serbuk kristal	Serbuk kristal
Aroma	Khas jahe	Khas jahe	Khas jahe
Rasa	Pedas, manis dan pahit diakhir	Pedas dan manis	Pedas dan manis
4 Jam			
Warna	Coklat muda	Coklat muda	Coklat muda
Bentuk	Serbuk kristal	Serbuk kristal	Serbuk kristal
Aroma	Khas jahe	Khas jahe	Khas jahe
Rasa	Pedas, manis dan pahit diakhir	Pedas dan manis	Pedas dan manis
6 Jam			
Warna	Coklat muda	Coklat muda	Coklat muda
Bentuk	Serbuk kristal	Serbuk kristal	Serbuk kristal
Aroma	Khas jahe	Khas jahe	Khas jahe
Rasa	Pedas, manis dan pahit diakhir	Pedas dan manis	Pedas dan manis

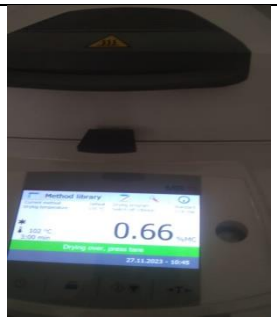
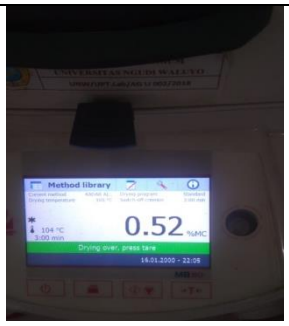
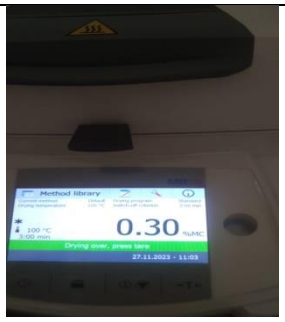
Lampiran 5. Dokumentasi Pengujian Kadar Air Sebelum Stabilitas Replikasi 1

Perlakuan	Sebelum Pengujian Stabilitas	Sesudah Pengujian Stabilitas
Pengendapan 0 Jam		
Pengendapan 2 Jam		
Pengendapan 4 Jam		
Pengendapan 6 jam		

Lampiran 6. Dokumentasi Pengujian Kadar Air Replikasi 2

Perlakuan	Sebelum Pengujian Stabilitas	Sesudah Pengujian Stabilitas
Pengendapan 0 Jam		
Pengendapan 2 Jam		
Pengendapan 4 Jam		
Pengendapan 6 jam		

Lampiran 7. Dokumentasi Pengujian Kadar Air Replikasi 3

Perlakuan	Sebelum Pengujian Stabilitas	Sesudah Pengujian Stabilitas
Pengendapan 0 Jam		
Pengendapan 2 Jam		
Pengendapan 4 Jam		
Pengendapan 6 jam		

Hasil pengujian kadar air serbuk instan jahe merah

Perlakuan Pengendapan	Hasil Kadaar Air (%)							
	Sebelum Stabilitas				Sesudah Stabilitas			
	R1	R2	R3	x̄± SD	R1	R2	R3	x̄± SD
0 Jam	1,08	1,63	0,66	1,12±0,49	1,08	1,56	0,8	1,15±0,38
2 Jam	1,26	1	0,68	0,98±0,29	1,32	1,22	0,56	1,03±0,41
4 Jam	1,16	0,74	0,46	0,79±0,35	1,38	0,96	0,52	0,95±0,43
6 Jam	0,96	0,54	0,30	0,60±0,33	0,94	0,8	0,66	0,80±0,14

Lampiran 8. Dokumentasi Pengujian Waktu Alir Replikasi 1

Perlakuan	Sebelum Pengujian Stabilitas	Sesudah Pengujian Stabilitas
Pengendapan 0 Jam	 	 
Pengendapan 2 Jam	 	 
Pengendapan 4 Jam	 	 
Pengendapan 6 jam	 	 

Lampiran 9. Dokumentasi Pengujian Waktu Alir Replikasi 2

Perlakuan	Sebelum Pengujian Stabilitas	Sesudah Pengujian Stabilitas
Pengendapan 0 Jam	 	 
Pengendapan 2 Jam	 	 
Pengendapan 4 Jam	 	 
Pengendapan 6 jam	 	 

Lampiran 10. Dokumentasi Pengujian Waktu Alir Replikasi 3

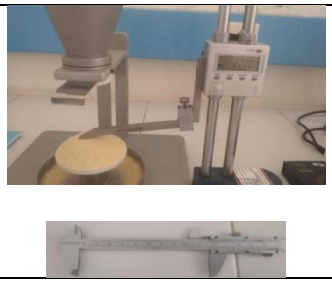
Perlakuan	Sebelum Pengujian Stabilitas	Sesudah Pengujian Stabilitas
Pengendapan 0 Jam		
Pengendapan 2 Jam		
Pengendapan 4 Jam		 
Pengendapan 6 jam		 

Hasil waktu alir serbuk instan jahe merah

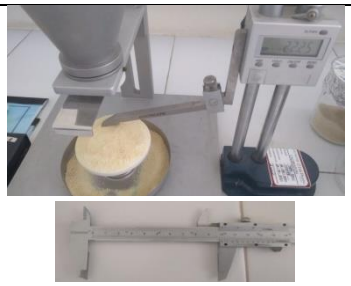
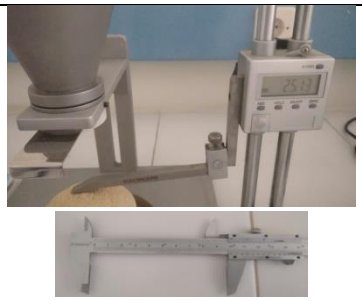
Perlakuan Pengendapan	Waktu Alir (detik)							
	Sebelum Stabilitas				Sesudah Stabilitas			
	R1	R2	R3	x̄± SD	R1	R2	R3	x̄± SD
0 Jam	1,2	1,6	1,05	1,28±0,28	1,25	1,38	1,40	1,34±0,08
2 Jam	1,1	1,4	1,20	1,23±0,15	1,1	1,60	1,20	1,30±0,26
4 Jam	1,25	1,2	1,1	1,15±13	1,20	1,50	1,10	1,27±0,21
6 Jam	1	1,15	1,15	1,10±10	1,20	1,20	1	1,13±0,12

Lampiran 11. Dokumentasi Hasil Pengujian Sudut Diam Replikasi 1

Perlakuan	Sebelum Pengujian Stabilitas	Setelah Pengujian Stabilitas
Pengendapan 0 Jam		
Pengendapan 2 Jam		

Pengendapan 4 Jam		
Pengendapan 6 jam		

Lampiran 12. Dokumentasi Pengujian Sudut Diam Replikasi 2

Perlakuan	Sebelum Pengujian Stabilitas	Setelah Pengujian Stabilitas
Pengendapan 0 Jam		
Pengendapan 2 Jam		

Pengendapan 4 Jam	 	 
Pengendapan 6 jam	 	 

Lampiran 13. Dokumentasi Pengujian Sudut Diam Replikasi 3

Perlakuan	Sebelum Pengujian Stabilitas	Setelah Pengujian Stabilitas
Pengendapan 0 Jam	 	 

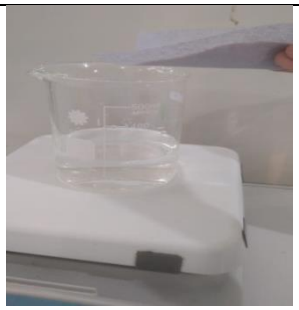
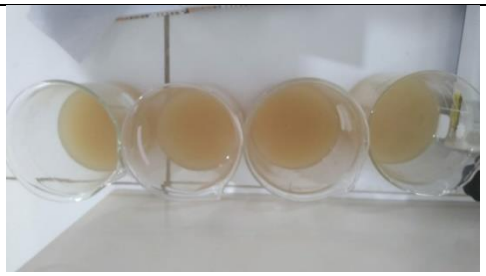
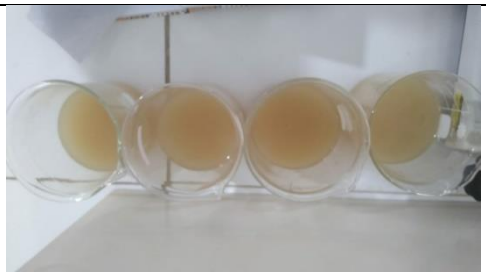
Pengendapan 2 Jam		
Pengendapan 4 Jam		
Pengendapan 6 jam		

Hasil pengujian sudut diam serbuk instan jahe merah

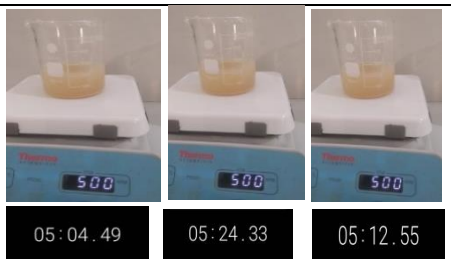
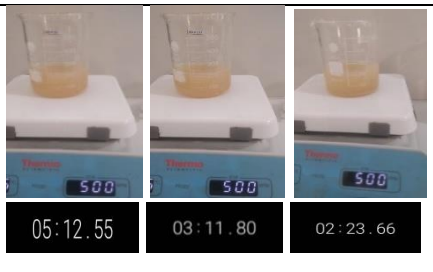
Perlakuan Pengendapan	**Sudut Diam (°)**							
	Sebelum Stabilitas				**Sesudah Stabilitas**			
	R1	**R2**	**R3**	**x̄±SD**	**R1**	**R2**	**R3**	**x̄±SD**
0 Jam	24,88	23,99	24,77	24,55±0,49	26,45	27,30	25,63	25,63±0,84
2 Jam	24,99	23,50	25,07	24,52±0,88	26,09	26,68	25,59	26,12±0,55
4 Jam	23,75	22,25	23,99	23,33±0,94	24,77	25,84	25,72	25,44±0,59
6 Jam	23,66	22,36	23,72	23,25±0,77	23,74	26,01	25,76	25,17±1,24

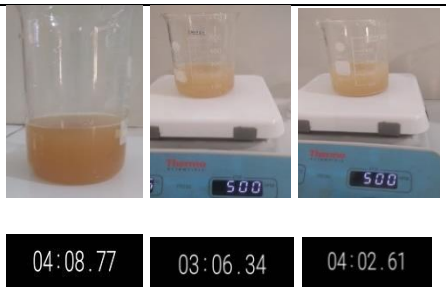
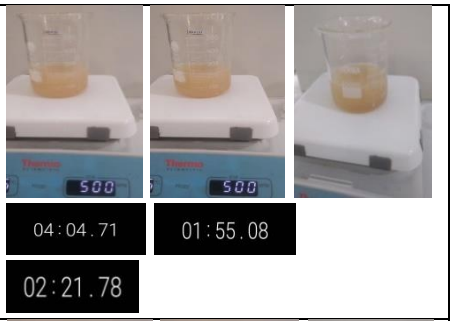
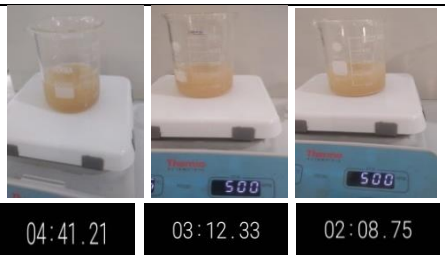
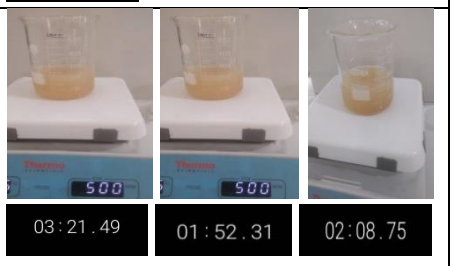
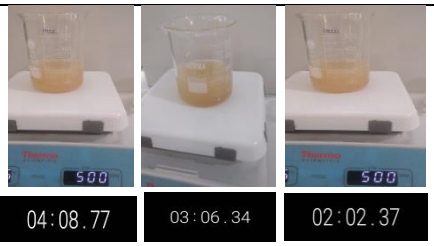
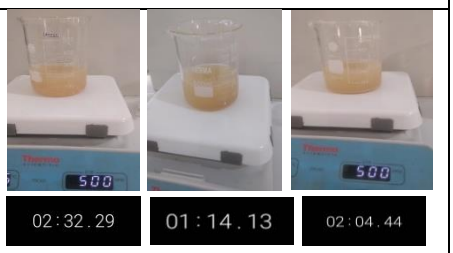
Lampiran 14. Dokumentasi Proses Pengujian Waktu Larut

Sebelum Pengujian Stabilitas	Setelah Pengujian Stabilitas
	
Penimbangan serbuk 20 gram	Penimbangan serbuk 20 gram

 Pengukuran air 200mL	 Pengukuran air 200mL
 Pengujian kelarutan kecepatan 500 rpm	 Pengujian kelarutan kecepatan 500 rpm
	

Lampiran 15. Dokumentasi Hasil Pengujian Waktu Larut

Perlakuan	Sebelum Pengujian Stabilitas	Sesudah Pengujian Stabilitas
Pengendapan 0 Jam	 05:04.49 05:24.33 05:12.55	 05:12.55 03:11.80 02:23.66

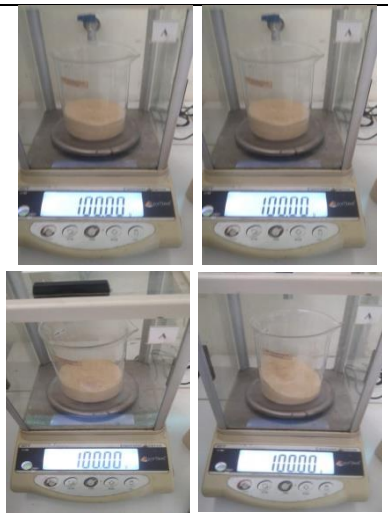
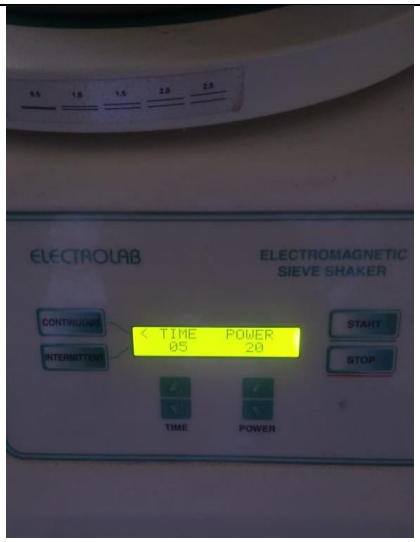
Pengendapan 2 Jam		
Pengendapan 4 Jam		
Pengendapan 6 jam		

Hasil pengujian waktu larut serbuk instan jahe merah

Perlakuan Pengendapan	Waktu Larut (Menit)							
	Sebelum Stabilitas				Sesudah Stabilitas			
	R1	R2	R3	x̄±SD	R1	R2	R3	x̄±SD
0 Jam	5.04	5.24	5.12	5.13±0,10	5,12	3,11	2,23	3,49±1,21
2 Jam	4.08	3.06	4.02	4.12±0,57	4,04	1,55	2,21	2,60±1,05
4 Jam	4.41	3.12	2.08	3.20±1,17	3,21	1,52	2,08	2,27±0,70
6 Jam	4.08	3.06	2.02	3.05±1,03	2,32	1,14	2,04	1,83±0,50

Lampiran 16. Dokumentasi Pengujian Ukuran Partikel Serbuk

Ukuran Partikel

<table>
<tr>
<td>  </td>
<td> 
</td>
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</tr>
</table>

Hasil pengujiaan ukuran partikel serbuk instan jahe merah sebelum stabilitas

Ukuran	R1 %	R2 %	R3 %	Rata-rata
0 Jam				

250 µm	22,44	16,42	13,52	17,46
425 µm	31,55	26,12	26,58	28,08
840 µm	15,15	20,45	19,86	18,49
1,18 mm	9,36	15,87	15,12	13,45
2,36 mm	0,070	0,75	0,29	0,37
2 Jam				
250 µm	26,88	22,76	14,45	21,36
425 µm	31,97	27,89	29,13	29,66
840 µm	14,17	16,35	21,97	17,50
1,18 mm	9,60	10,15	16,07	11,94
2,36 mm	0,10	0	0	0,03
4 Jam				
250 µm	12,90	22,76	21,21	18,96
425 µm	24,17	27,89	27,63	26,56
840 µm	18,21	16,35	20,72	18,43
1,18 mm	22,61	10,15	16,37	16,38
2,36 mm	0,70	0	0	0,23
6 Jam				
250 µm	14,41	26,50	13,52	18,14
425 µm	21,77	31,15	26,58	26,50
840 µm	18,43	13,74	19,86	17,34
1,18 mm	25,14	8,95	15,12	11,01
2,36 mm	0,54	0	0,29	0,28

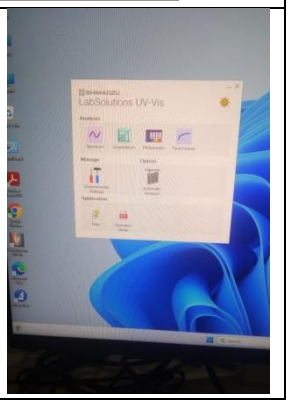
Hasil pengujiaan ukuran partikel serbuk instan jahe merah sebelum stabilitas

Ukuran	**R1 %**	**R2 %**	**R3 %**	**Rata-rata**
0 Jam				

250 µm	21,95	24,37	16,40	20,91
425 µm	30,29	28,45	30,73	29,82
840 µm	15,15	13,58	20,24	16,32
1,18 mm	9,88	8,94	12,90	10,57
2,36 mm	0,14	0	0	0,05
2 Jam				
250 µm	17,90	30,57	20,61	23,03
425 µm	25,54	31,55	39,74	32,28
840 µm	17,36	10,74	17,39	15,16
1,18 mm	21,21	5,13	9,87	12,07
2,36 mm	0,64	0	0	0,21
4 Jam				
250 µm	28,49	30,13	24,87	27,83
425 µm	36,03	30,26	41,43	35,91
840 µm	14,49	11,67	17,12	14,43
1,18 mm	6,86	6,48	5	6,11
2,36 mm	0	0	0	0,00
6 Jam				
250 µm	28,69	36,23	17,97	27,63
425 µm	39,09	23,76	44,25	35,70
840 µm	12,44	9,23	20,80	14,16
1,18 mm	6,90	4,64	8,64	6,11
2,36 mm	0	0	0	0,00

Lampiran 17. Dokumentasi Preparasi Larutan Induk

Preparasi Larutan Induk

<table>
<tr>
<td>  </td>
<td>  </td>
</tr>
<tr>
<td>  </td>
<td> 
 </td>
</tr>
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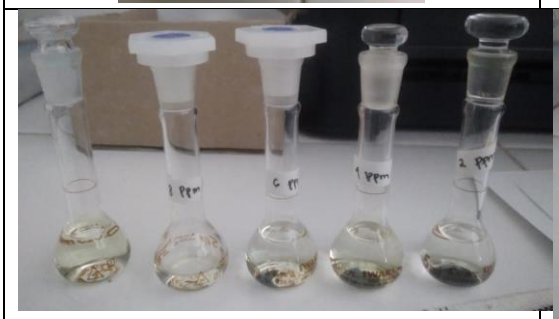
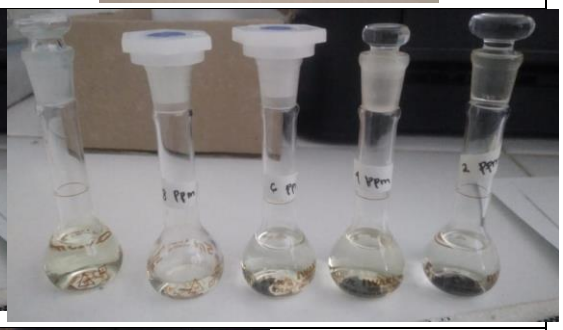
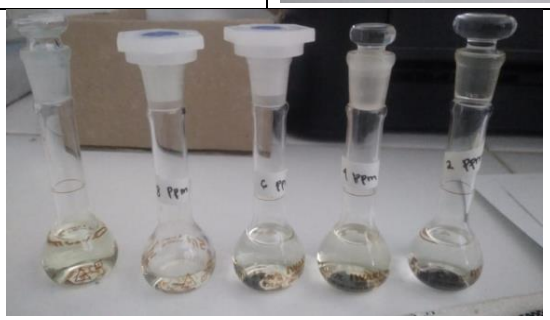
Lampiran 18. Dokumentasi Preparasi Baku Pembandaing *Quercetin*

Preparasi Baku Pembandaing *Quercetin*

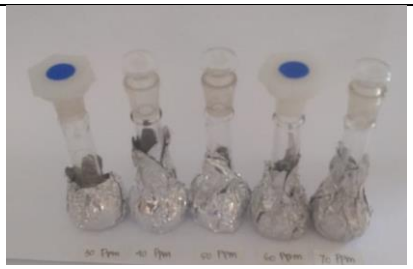
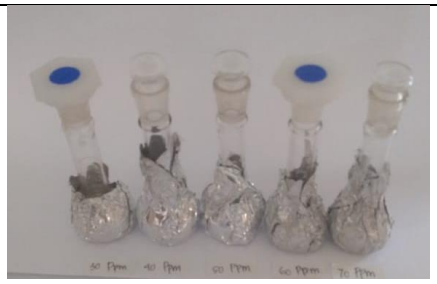
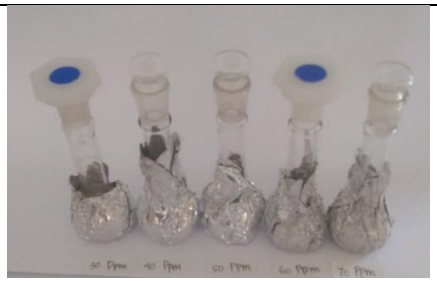
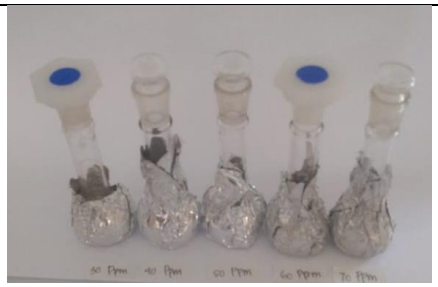






Lampiran 19. Dokumentasi Preparasi Sampel Serbuk Instan Jahe Merah

Preparasi Sampel Serbuk Instan Jahe Merah

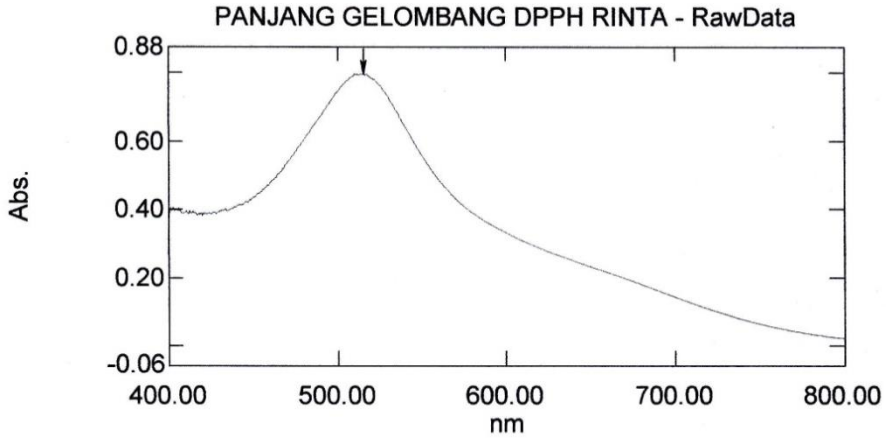
	
	
	
 	

Lampiran 20. Panjang Gelombang DPPH

Spectrum Peak Pick

Print Date : 12/04/2023 12:33:24 PM

File Name: PANJANG GELOMBANG DPPH RINTA - RawData



[Summary]

Data Information		Software Information	
Data is:	Measurement Data	Software Name:	LabSolutions UV-Vis
Data Set Name:	RawData	Version:	1.12
Sample Name:	DPPH		
Sample ID:		Instrument Information	
Option:		Instrument Name:	Spektro
Analyst:		Instrument Type:	UV-1900 Series
Date/Time:	12/04/2023 12:31:15 PM	Model (S/N):	1900 (A12536082097)
Comments:			
Parameter File Name:	D:\SKRIPSI 2023\PANJANG GELOMBANG DPPH 2.vspm		
Report File Name:			

[Peak Pick Table]

Threshold: 0.001000
Number of Points: 4

No.	P/V	Wavelength nm.	Abs.	Description
1	↑	516.0	0.799	

Lampiran 21. ***Operating Time***

Time course Data Print Table

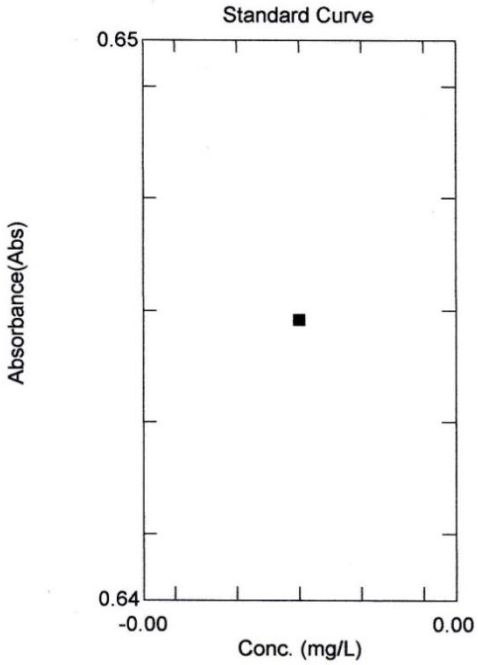
Print Date : 12/05/2023 09:40:25 AM

Time (min.)	OT DPPH -
0.0	0.801
1.0	0.793
2.0	0.795
3.0	0.792
4.0	0.794
5.0	0.795
6.0	0.797
7.0	0.792
8.0	0.794
9.0	0.796
10.0	0.792
11.0	0.796
12.0	0.791
13.0	0.788
14.0	0.789
15.0	0.794
16.0	0.793
17.0	0.795
18.0	0.795
19.0	0.795
20.0	0.795
21.0	0.792
22.0	0.788
23.0	0.794
24.0	0.789
25.0	0.788
26.0	0.791
27.0	0.790
28.0	0.791
29.0	0.791
30.0	0.793

Lampiran 22. Absorbansi Blanko DPPH

Quantitation Standard Table

Print Date : 12/05/2023 01:15:59 PM



r2 = ******

[Summary]

File Information
Filename: C:\UVVis-Data\Data\File_231205_095524.vqud
Parameter File Name: D:\SKRIPSI 2023\PEMBANDING KUERSETIN.vqum
Analyst:
Date/Time: 12/05/2023 12:55:03 PM
Comments:
Report File Name:

[Measurement Parameters]

[Wavelengths] Ac
Type of Measuring Mode: Absorbance
rounded: OFF
Column Name: WL516
Measuring Method: Point (516.00nm)

[Calibration Curve]
Calibration Curve Creation: Sample Measurement
Calculation Method: 1.0000 * WL516
Column Name: Result
Calibration Curve Formula: Calculated Value = K1 * Concentration + K0
Pass Origin: OFF
Unit of Concentration: mg/L
Pass/Fail Judgment: OFF

[Standard]

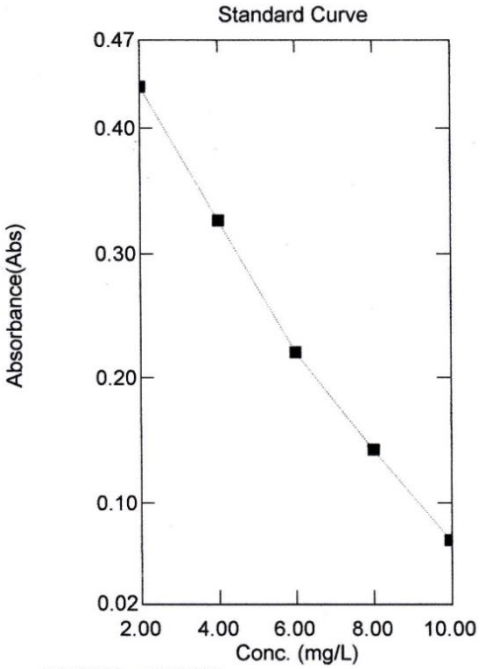
[Standard Table]

	Sample Name	Sam	Opt	Type	Ex	Conc	WL516	Result	Wgt.Facto	Com
1	Blangko			STD		0.000	0.648	0.648	1.00	

Lampiran 23. Kontrol Positif *Quecetin* Replikasi 1

Quantitation Standard Table

Print Date : 12/08/2023 11:34:14 AM



y = - 0.0454979 x + 0.511580
r2 = 0.99173

[Summary]

File Information
Filename: D:\SKRIPSI 2023\RINTA\baku pembanding kuiersetin.vqud
Parameter File Name: D:\SKRIPSI 2023\PEMBANDING KUERSETIN.vqum
Analyst:
Date/Time: 12/08/2023 11:33:23 AM
Comments:
Report File Name:

[Measurement Parameters]

[Wavelengths] Ac
Type of Measuring Mode: Absorbance
rounded: OFF
Column Name: WL516
Measuring Method: Point (516.00nm)

[Calibration Curve]
Calibration Curve Creation: Sample Measurement
Calculation Method: 1.0000 * WL516
Column Name: Result
Calibration Curve Formula: Calculated Value = K1 * Concentration + K0
Pass Origin: OFF
Unit of Concentration: mg/L
Pass/Fail Judgment: OFF

[Standard]

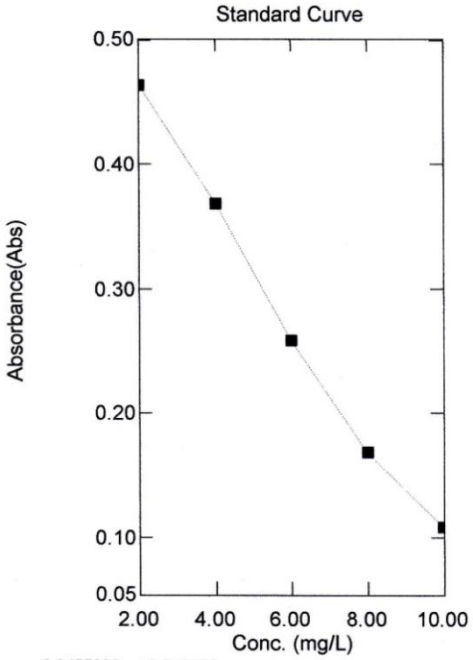
[Standard Table]

	Sample Name	Sam	Opt	Type	Ex	Conc	WL516	Result	Wgt.Facto	Com
1	kuersetin 2 ppm			STD		2.000	0.433	0.433	1.00	
2	kuersetin 4 ppm			STD		4.000	0.326	0.326	1.00	
3	kuersetin 6 ppm			STD		6.000	0.221	0.221	1.00	
4	kuersetin 8 ppm			STD		8.000	0.143	0.143	1.00	
5	kuersetin 10 ppm			STD		10.000	0.070	0.070	1.00	
6 *				STD				*****	1.00	

Lampiran 24. Kontrol Positif *Quecetin* Replikasi 2

Quantitation Standard Table

Print Date : 12/08/2023 12:30:29 PM



y = - 0.0455826 x + 0.546976
r2 = 0.99043

[Summary]

File Information
Filename: D:\SKRIPSI 2023\RINTA\Baku pembanding kuersetin replikasi 2.vqud
Parameter File Name: D:\SKRIPSI 2023\PEMBANDING KUERSETIN.vqum
Analyst:
Date/Time: 12/08/2023 12:28:59 PM
Comments:
Report File Name:

[Measurement Parameters]

[Wavelengths] Ac
Type of Measuring Mode: Absorbance
rounded: OFF
Column Name: WL516
Measuring Method: Point (516.00nm)

[Calibration Curve]
Calibration Curve Creation: Sample Measurement
Calculation Method: 1.0000 * WL516
Column Name: Result
Calibration Curve Formula: Calculated Value = K1 * Concentration + K0
Pass Origin: OFF
Unit of Concentration: mg/L
Pass/Fail Judgment: OFF

[Standard]

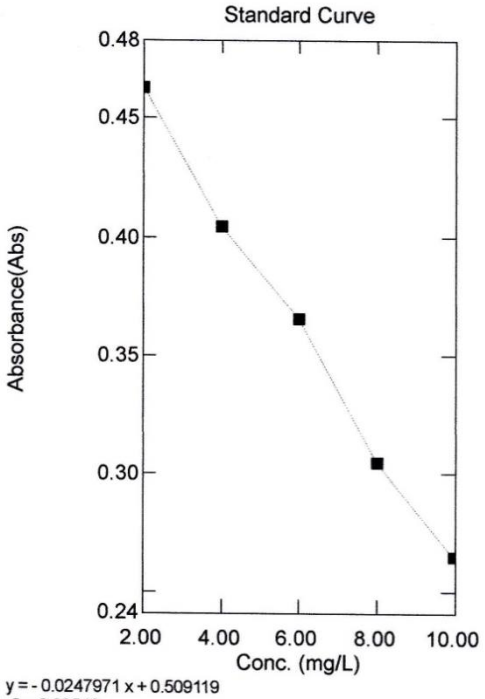
[Standard Table]

	Sample Name	Sam	Opt	Type	Ex	Conc	WL516	Result	Wgt.Facto	Com
1	Kuersetin 2 ppm			STD		2.000	0.464	0.464	1.00	
2	Kuersetin 4 ppm			STD		4.000	0.369	0.369	1.00	
3	Kuersetin 6 ppm			STD		6.000	0.258	0.258	1.00	
4	Kuersetin 8 ppm			STD		8.000	0.168	0.168	1.00	
5	Kuersetin 10 ppm			STD		10.000	0.108	0.108	1.00	

Lampiran 25. Kontrol Positif *Quercetin* Replikasi 3

Quantitation Standard Table

Print Date : 12/21/2023 12:33:47 PM



y = - 0.0247971 x + 0.509119
r2 = 0.99546

[Summary]

File Information
Filename: D:\SKRIPSI 2023\RINTA\Kuersetin Replikasi 3..vqud
Parameter File Name: D:\SKRIPSI 2023\PEMBANDING KUERSETIN.vqum
Analyst:
Date/Time: 12/21/2023 12:32:18 PM
Comments:
Report File Name:

[Measurement Parameters]

[Wavelengths] Ac
Type of Measuring Mode: Absorbance
rounded: OFF
Column Name: WL516
Measuring Method: Point (516.00nm)

[Calibration Curve]
Calibration Curve Creation: Sample Measurement
Calculation Method: 1.0000 * WL516
Column Name: Result
Calibration Curve Formula: Calculated Value = K1 * Concentration + K0
Pass Origin: OFF
Unit of Concentration: mg/L
Pass/Fail Judgment: OFF

[Standard]

[Standard Table]

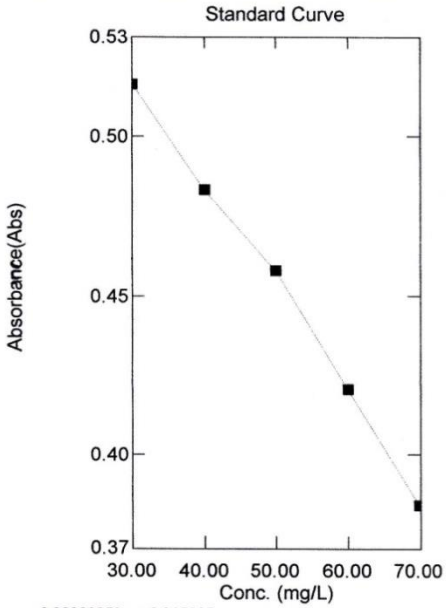
	Sample Name	Sam	Opt	Type	Ex	Conc	WL516	Result	Wgt.Facto	Com
1	Kuersetin R3 2 ppm			STD		2.000	0.463	0.463	1.00	
2	Kuersetin R3 4 ppm			STD		4.000	0.404	0.404	1.00	
3	Kuersetin R3 6 ppm			STD		6.000	0.365	0.365	1.00	
4	Kuersetin R3 8 ppm			STD		8.000	0.305	0.305	1.00	
5	Kuersetin R3 10 ppm			STD		10.000	0.264	0.264	1.00	

Lampiran 26. Hasil Absorbansi Sampel Serbuk Instan Jahe Merah Sebelum Stabilitas

Sampel pengendapan 0 jam replikasi 1

Quantitation Standard Table

Print Date : 12/20/2023 01:41:42 PM



y = - 0.00326859 x + 0.615895
r2 = 0.99593

[Summary]

File Information
Filename: C:\UVVis-Data\Data\Sampel 1 Replikasi 1_231220_134015.vqud
Parameter File Name: D:\SKRIPSI 2023\PEMBANDING KUERSETIN.vqum
Analyst:
Date/Time: 12/19/2023 11:15:38 AM
Comments:
Report File Name:

[Measurement Parameters]

[Wavelengths] Ac
Type of Measuring Mode: Absorbance
rounded: OFF
Column Name: WL516
Measuring Method: Point (516.00nm)

[Calibration Curve]
Calibration Curve Creation: Sample Measurement
Calculation Method: 1.0000 * WL516
Column Name: Result
Calibration Curve Formula: Calculated Value = K1 * Concentration + K0
Pass Origin: OFF
Unit of Concentration: mg/L
Pass/Fail Judgment: OFF

[Standard]

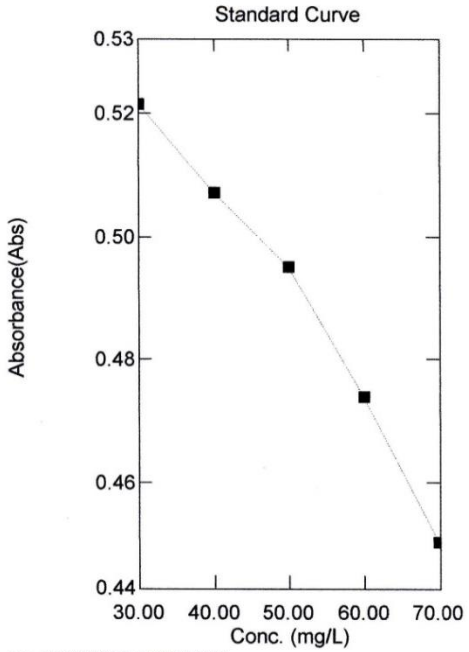
[Standard Table]

	Sample Name	Sam	Opt	Type	Ex	Conc	WL516	Result	Wgt.Facto	Com
1	Sampel1 R1 30 ppm			STD		30.000	0.516	0.516	1.00	
2	Sampel1 R1 40 ppm			STD		40.000	0.483	0.483	1.00	
3	Sampel1 R1 50 ppm			STD		50.000	0.458	0.458	1.00	
4	Sampel1 R1 60 ppm			STD		60.000	0.421	0.421	1.00	
5	Sampel1 R1 70 ppm			STD		70.000	0.384	0.384	1.00	

Sampel pengendapan 0 jam replikasi 2

Quantitation Standard Table

Print Date : 12/20/2023 01:42:41 PM



y = - 0.00175003 x + 0.577025
r2 = 0.98063

[Summary]

File Information
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Parameter File Name: D:\SKRIPSI 2023\PEMBANDING KUERSETIN.vqum
Analyst:
Date/Time: 12/19/2023 11:55:14 AM
Comments:
Report File Name:

[Measurement Parameters]

[Wavelengths] Ac
Type of Measuring Mode: Absorbance
rounded: OFF
Column Name: WL516
Measuring Method: Point (516.00nm)

[Calibration Curve]
Calibration Curve Creation: Sample Measurement
Calculation Method: 1.0000 * WL516
Column Name: Result
Calibration Curve Formula: Calculated Value = K1 * Concentration + K0
Pass Origin: OFF
Unit of Concentration: mg/L
Pass/Fail Judgment: OFF

[Standard]

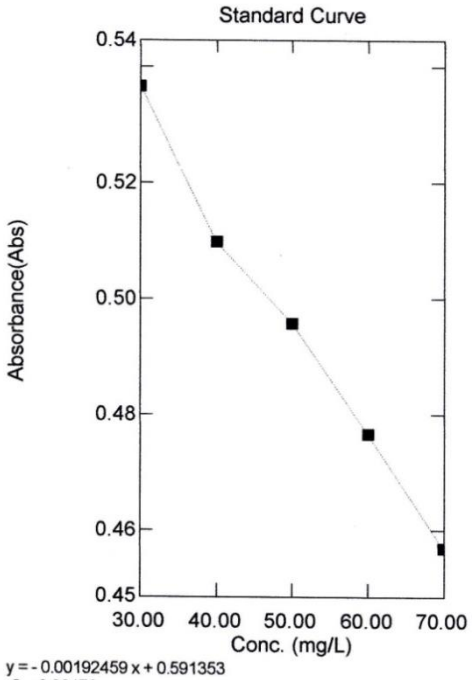
[Standard Table]

	Sample Name	Sam	Opt	Type	Ex	Conc	WL516	Result	Wgt.Facto	Com
1	Sampel1 R2 30 ppm			STD		30.000	0.521	0.521	1.00	
2	Sampel1 R2 40 ppm			STD		40.000	0.507	0.507	1.00	
3	Sampe1 R2 50 ppm			STD		50.000	0.495	0.495	1.00	
4	Sampel1 R2 60 ppm			STD		60.000	0.474	0.474	1.00	
5	Sampel1 R2 70 ppm			STD		70.000	0.450	0.450	1.00	

Sampel pengendapan 0 jam replikasi 3

Quantitation Standard Table

Print Date : 12/20/2023 01:43:13 PM



y = - 0.00192459 x + 0.591353
r2 = 0.99172

[Summary]

File Information
Filename: C:\UVVis-Data\Data\Sampel 1 Replikasi 3_231220_134301.vqud
Parameter File Name: D:\SKRIPSI 2023\PEMBANDING KUERSETIN.vqum
Analyst:
Date/Time: 12/19/2023 12:09:38 PM
Comments:
Report File Name:

[Measurement Parameters]

[Wavelengths]
Type of Measuring Mode: Absorbance
rounded: OFF
Column Name: WL516
Measuring Method: Point (516.00nm)

[Calibration Curve]
Calibration Curve Creation: Sample Measurement
Calculation Method: 1.0000 * WL516 Result
Column Name: Calculated Value
Calibration Curve Formula: = K1 * Concentration + K0
Pass Origin: OFF
Unit of Concentration: mg/L
Pass/Fail Judgment: OFF

[Standard]

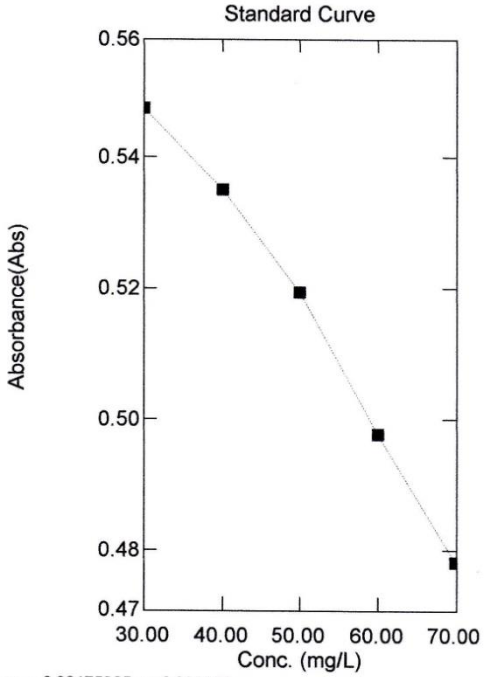
[Standard Table]

	Sample Name	Sam	Opt	Type	Ex	Conc	WL516	Result	Wgt.Facto	Com
1	Sampel1 R3 30 ppm			STD		30.000	0.537	0.537	1.00	
2	Sampel1 R3 40 ppm			STD		40.000	0.510	0.510	1.00	
3	Sampel1 R3 50 ppm			STD		50.000	0.496	0.496	1.00	
4	Sampel1 R3 60 ppm			STD		60.000	0.477	0.477	1.00	
5	Sampel1 R3 70 ppm			STD		70.000	0.457	0.457	1.00	

Sampel Pengendapan 2 Jam Replikasi 1

Quantitation Standard Table

Print Date : 12/20/2023 01:43:46 PM



y = - 0.00175385 x + 0.603238
r2 = 0.98875

[Summary]

File Information
Filename: D:\SKRIPSI 2023\RINTA\RINTA SAMPEL\Sampel 2\Sampel2 Replikasi 1.vqud
Parameter File Name: D:\SKRIPSI 2023\PEMBANDING KUERSETIN.vqum
Analyst:
Date/Time: 12/19/2023 12:22:28 PM
Comments:
Report File Name:

[Measurement Parameters]

[Wavelengths] Ac
Type of Measuring Mode: Absorbance
rounded: OFF
Column Name: WL516
Measuring Method: Point (516.00nm)

[Calibration Curve]
Calibration Curve Creation: Sample Measurement
Calculation Method: 1.0000 * WL516
Column Name: Result
Calibration Curve Formula: Calculated Value = K1 * Concentration + K0
Pass Origin: OFF
Unit of Concentration: mg/L
Pass/Fail Judgment: OFF

[Standard]

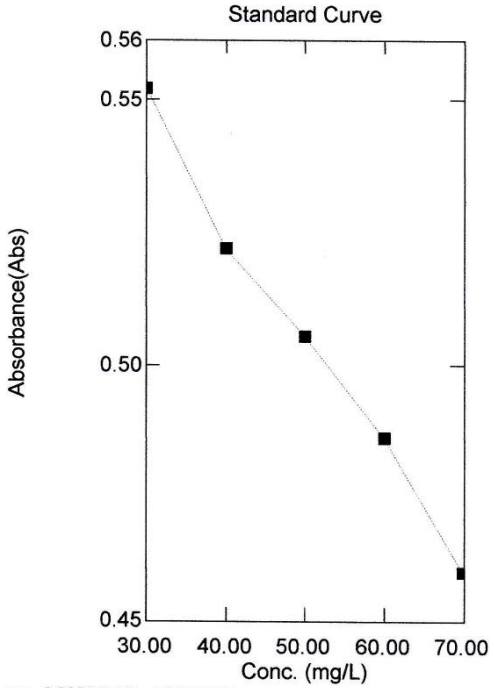
[Standard Table]

	Sample Name	Sam	Opt	Type	Ex	Conc	WL516	Result	Wgt.Facto	Com
1	Sampel2 R1 30ppm			STD		30.000	0.547	0.547	1.00	
2	Sampel2 R1 40ppm			STD		40.000	0.535	0.535	1.00	
3	Sampel2 R1 50ppm			STD		50.000	0.519	0.519	1.00	
4	Sampel2 R1 60ppm			STD		60.000	0.498	0.498	1.00	
5	Sampel2 R1 70ppm			STD		70.000	0.478	0.478	1.00	

Sampel Pengendapan 2 Jam Replikasi 2

Quantitation Standard Table

Print Date : 12/22/2023 12:07:45 PM



y = - 0.00218399 x + 0.614503
r2 = 0.99066

[Summary]

File Information
Filename: D:\SKRIPSI 2023\RINTA\SAMPEL Setelah Stabilitas\Sampel 2\Sampel 2 Replikasi 2.vqud
Parameter File Name: D:\SKRIPSI 2023\PEMBANDING KUERSETIN.vqum
Analyst:
Date/Time: 12/22/2023 12:07:24 PM
Comments:
Report File Name:

[Measurement Parameters]

[Wavelengths] Ac
Type of Measuring Mode: Absorbance
rounded: OFF
Column Name: WL516
Measuring Method: Point (516.00nm)

[Calibration Curve]
Calibration Curve Creation: Sample Measurement
Calculation Method: 1.0000 * WL516
Column Name: Result
Calibration Curve Formula: Calculated Value = K1 * Concentration + K0
Pass Origin: OFF
Unit of Concentration: mg/L
Pass/Fail Judgment: OFF

[Standard]

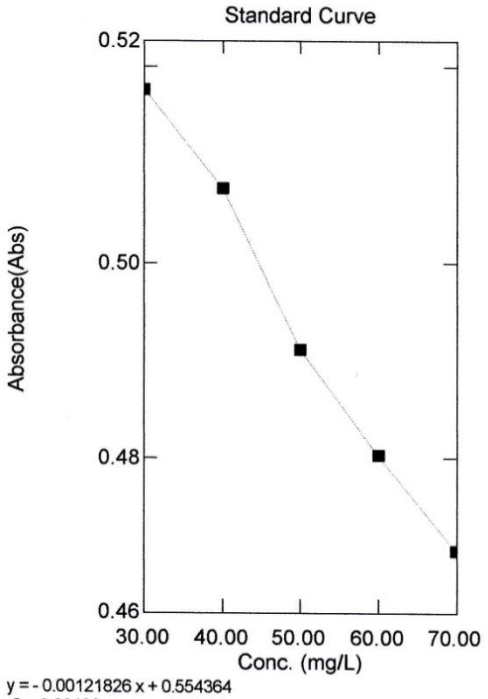
[Standard Table]

	Sample Name	Sam	Opt	Type	Ex	Conc	WL516	Result	Wgt.Facto	Com
1	Sampel2 R2 30ppm			STD		30.000	0.552	0.552	1.00	
2	Sampel2 R2 40ppm			STD		40.000	0.522	0.522	1.00	
3	Sampel2 R2 50ppm			STD		50.000	0.505	0.505	1.00	
4	Sampel2 R2 60ppm			STD		60.000	0.486	0.486	1.00	
5	Sampel2 R2 70ppm			STD		70.000	0.461	0.461	1.00	

Sampel Pengendapan 2 Jam Replikasi 3

Quantitation Standard Table

Print Date : 12/20/2023 01:44:37 PM



y = - 0.00121826 x + 0.554364
r2 = 0.99186

[Summary]

File Information

Filename:	D:\SKRIPSI 2023\RINTA\RINTA SAMPEL\Sampel 2\Sampel 2 Replikasi 3.vqud
Parameter File Name:	D:\SKRIPSI 2023\PEMBANDING KUERSETIN.vqum
Analyst:	
Date/Time:	12/19/2023 01:11:05 PM
Comments:	
Report File Name:	

[Measurement Parameters]

[Wavelengths]

Type of Measuring Mode:	Absorbance
rounded:	OFF
Column Name:	WL516
Measuring Method:	Point (516.00nm)

[Calibration Curve]

Calibration Curve Creation:	Sample Measurement
Calculation Method:	1.0000 * WL516
Column Name:	Result
Calibration Curve Formula:	Calculated Value = K1 * Concentration + K0
Pass Origin:	OFF
Unit of Concentration:	mg/L
Pass/Fail Judgment:	OFF

[Standard]

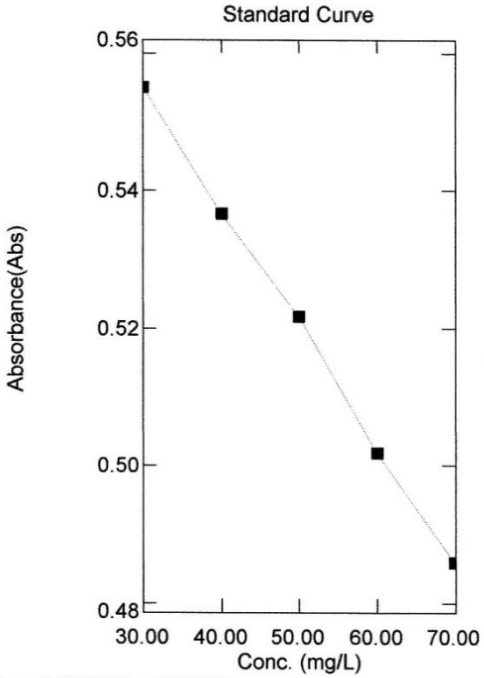
[Standard Table]

	Sample Name	Sam	Opt	Type	Ex	Conc	WL516	Result	Wgt.Facto	Com
1	Sampel2 R3 30ppm			STD		30.000	0.518	0.518	1.00	
2	Sampel2 R3 40ppm			STD		40.000	0.508	0.508	1.00	
3	Sampel2 R3 50ppm			STD		50.000	0.491	0.491	1.00	
4	Sampel2 R3 60ppm			STD		60.000	0.480	0.480	1.00	
6	Sampel2 R3 70ppm			STD		70.000	0.470	0.470	1.00	

Sampel Pengendapan 4 Jam Replikasi 1

Quantitation Standard Table

Print Date : 12/20/2023 01:45:12 PM



y = - 0.00173141 x + 0.606789
r2 = 0.99863

[Summary]

File Information
Filename: D:\SKRIPSI 2023\RINTA\RINTA SAMPEL\Sampel 3\Sampel 3 Replikasi 1.vqud
Parameter File Name: D:\SKRIPSI 2023\PEMBANDING KUERSETIN.vqum
Analyst:
Date/Time: 12/19/2023 01:32:41 PM
Comments:
Report File Name:

[Measurement Parameters]

[Wavelengths]
Type of Measuring Mode: Absorbance
rounded: OFF
Column Name: WL516
Measuring Method: Point (516.00nm)

[Calibration Curve]
Calibration Curve Creation: Sample Measurement
Calculation Method: 1.0000 * WL516
Column Name: Result
Calibration Curve Formula: Calculated Value = K1 * Concentration + K0
Pass Origin: OFF
Unit of Concentration: mg/L
Pass/Fail Judgment: OFF

[Standard]

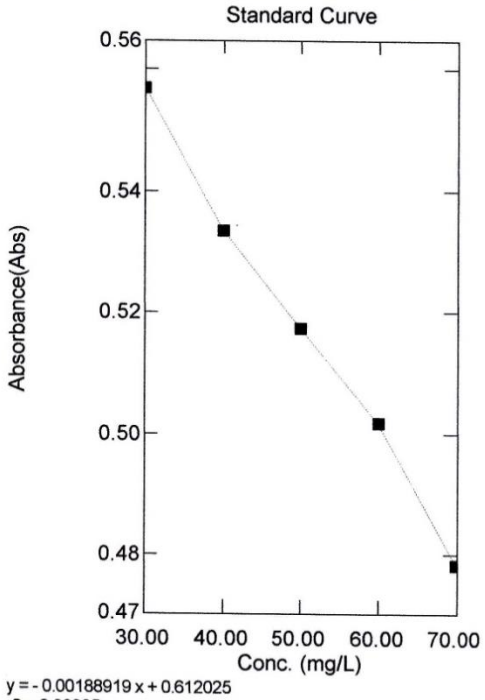
[Standard Table]

	Sample Name	Sam	Opt	Type	Ex	Conc	WL516	Result	Wgt.Facto	Com
1	Sampel3 R1 30 ppm			STD		30.000	0.555	0.555	1.00	
2	Sampel3 R1 40 ppm			STD		40.000	0.537	0.537	1.00	
3	Sampel3 R1 50 ppm			STD		50.000	0.522	0.522	1.00	
4	Sampel3 R1 60 ppm			STD		60.000	0.502	0.502	1.00	
5	Sampel3 R1 70 ppm			STD		70.000	0.486	0.486	1.00	

Sampel Pengendapan 4 Jam Replikasi 2

Quantitation Standard Table

Print Date : 12/20/2023 01:46:09 PM



y = - 0.00188919 x + 0.612025
r2 = 0.99385

[Summary]

File Information
Filename: D:\SKRIPSI 2023\RINTA\RINTA SAMPEL\Sampel 3\Sampel 3 Replikasi 2.vqud
Parameter File Name: D:\SKRIPSI 2023\PEMBANDING KUERSETIN.vqum
Analyst:
Date/Time: 12/19/2023 01:41:12 PM
Comments:
Report File Name:

[Measurement Parameters]

[Wavelengths]
Type of Measuring Mode: Absorbance
rounded: OFF
Column Name: WL516
Measuring Method: Point (516.00nm)

[Calibration Curve]
Calibration Curve Creation: Sample Measurement
Calculation Method: 1.0000 * WL516
Column Name: Result
Calibration Curve Formula: Calculated Value = K1 * Concentration + K0
Pass Origin: OFF
Unit of Concentration: mg/L
Pass/Fail Judgment: OFF

[Standard]

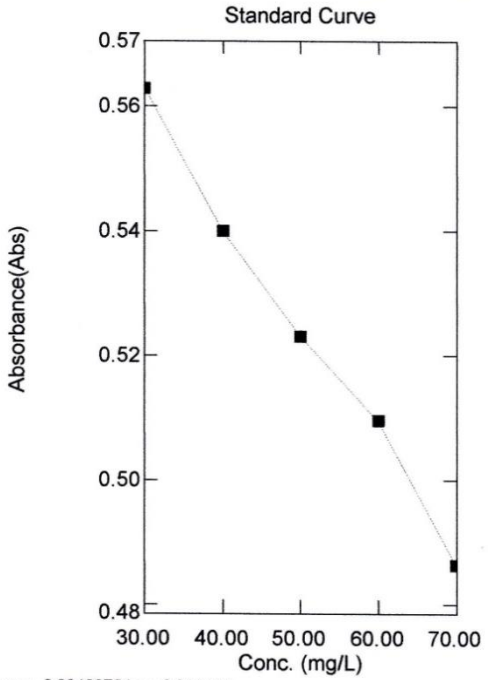
[Standard Table]

	Sample Name	Sam	Opt	Type	Ex	Conc	WL516	Result	Wgt.Facto	Com
1	Sampel3 R2 30ppm			STD		30.000	0.557	0.557	1.00	
2	Sampel3 R2 40ppm			STD		40.000	0.534	0.534	1.00	
3	Sampel3 R2 50ppm			STD		50.000	0.517	0.517	1.00	
4	Sampel3 R2 60ppm			STD		60.000	0.502	0.502	1.00	
5	Sampel3 R2 70ppm			STD		70.000	0.478	0.478	1.00	

Sampel Pengendapan 4 Jam Replikasi 3

Quantitation Standard Table

Print Date : 12/20/2023 01:46:41 PM



y = - 0.00183731 x + 0.616188
r2 = 0.99239

[Summary]

File Information
Filename: D:\SKRIPSI 2023\RINTA\RINTA SAMPEL\Sampel 3\Sampel 3 Replikasi 3.vqud
Parameter File Name: D:\SKRIPSI 2023\PEMBANDING KUERSETIN.vqum
Analyst:
Date/Time: 12/19/2023 01:47:15 PM
Comments:
Report File Name:

[Measurement Parameters]

[Wavelengths]
Type of Measuring Mode: Absorbance
rounded: OFF
Column Name: WL516
Measuring Method: Point (516.00nm)

[Calibration Curve]
Calibration Curve Creation: Sample Measurement
Calculation Method: 1.0000 * WL516
Column Name: Result
Calibration Curve Formula: Calculated Value = K1 * Concentration + K0
Pass Origin: OFF
Unit of Concentration: mg/L
Pass/Fail Judgment: OFF

[Standard]

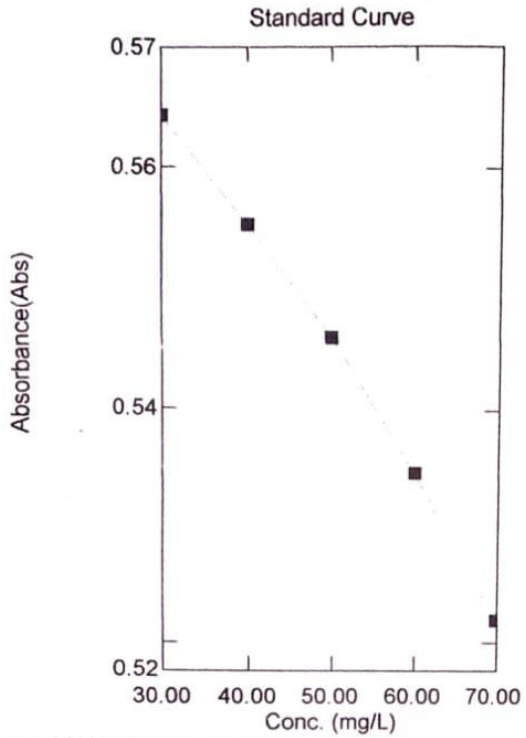
[Standard Table]

	Sample Name	Sam	Opt	Type	Ex	Conc	WL516	Result	Wgt.Facto	Com
1	Sampel3 R3 30 ppm			STD		30.000	0.563	0.563	1.00	
2	Sampel3 R3 40 ppm			STD		40.000	0.540	0.540	1.00	
3	Sampel3 R3 50 ppm			STD		50.000	0.523	0.523	1.00	
4	Sampel3 R3 60 ppm			STD		60.000	0.509	0.509	1.00	
5	Sampel3 R3 70 ppm			STD		70.000	0.486	0.486	1.00	

Sampel Pengendapan 6 Jam Replikasi 1

Quantitation Standard Table

Print Date : 12/20/2023 01:50:30 F



y = - 0.00104675 x + 0.596741
r2 = 0.99369

[Summary]

File Information
Filename: D:\SKRIPSI 2023\RINTA\RINTA SAMPEL\Sampel 4\Sampel4 Replik 1.vqud
Parameter File Name: D:\SKRIPSI 2023\PEMBANDING KUERSETIN.vqum
Analyst:
Date/Time: 12/19/2023 02:02:53 PM
Comments:
Report File Name:

[Measurement Parameters]

[Wavelengths]
Type of Measuring Mode: Absorbance
rounded: OFF
Column Name: WL516
Measuring Method: Point (516.00nm)

[Calibration Curve]
Calibration Curve Creation: Sample Measurement
Calculation Method: 1.0000 * WL516
Column Name: Result
Calibration Curve Formula: Calculated Value = K1 * Concentration + K0
Pass Origin: OFF
Unit of Concentration: mg/L
Pass/Fail Judgment: OFF

[Standard]

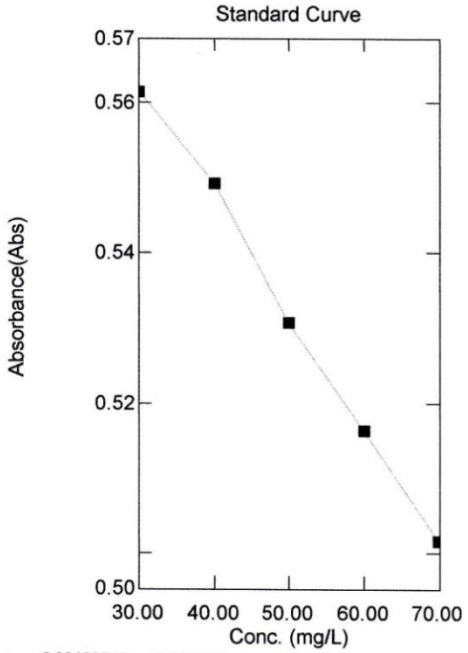
[Standard Table]

	Sample Name	Sam	Opt	Type	Ex	Conc	WL516	Result	Wgt.Facto	Com
1	Sampel4 R1 30ppm			STD		30.000	0.564	0.564	1.00	
2	Sampel4 R1 40ppm			STD		40.000	0.555	0.555	1.00	
3	Sampel4 R1 50ppm			STD		50.000	0.546	0.546	1.00	
4	Sampel4 R1 60ppm			STD		60.000	0.535	0.535	1.00	
5	Sampel4 R1 70ppm			STD		70.000	0.522	0.522	1.00	

Sampel Pengendapan 6 Jam Replikasi 2

Quantitation Standard Table

Print Date : 12/20/2023 01:51:08 PM



y = - 0.00152512 x + 0.608122
r2 = 0.99688

[Summary]

File Information
Filename: D:\SKRIPSI 2023\RINTA\RINTA SAMPEL\Sampel 4\Sampel4 Replikasi 2.vqud
Parameter File Name: D:\SKRIPSI 2023\PEMBANDING KUERSETIN.vqum
Analyst:
Date/Time: 12/19/2023 02:11:11 PM
Comments:
Report File Name:

[Measurement Parameters]

[Wavelengths] Ac
Type of Measuring Mode: Absorbance
rounded: OFF
Column Name: WL516
Measuring Method: Point (516.00nm)

[Calibration Curve]
Calibration Curve Creation: Sample Measurement
Calculation Method: 1.0000 * WL516
Column Name: Result
Calibration Curve Formula: Calculated Value = K1 * Concentration + K0
Pass Origin: OFF
Unit of Concentration: mg/L
Pass/Fail Judgment: OFF

[Standard]

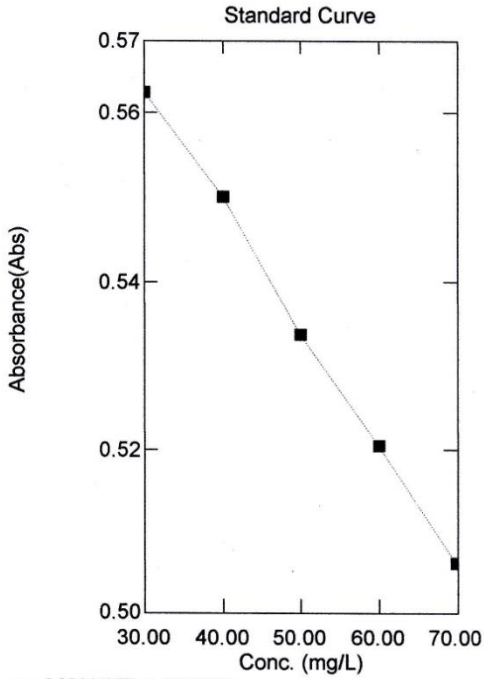
[Standard Table]

	Sample Name	Sam	Opt	Type	Ex	Conc	WL516	Result	Wgt.Facto	Com
1	Sampel4 R2 30ppm			STD		30.000	0.561	0.561	1.00	
2	Sampel4 R2 40ppm			STD		40.000	0.549	0.549	1.00	
3	Sampel4 R2 50ppm			STD		50.000	0.531	0.531	1.00	
4	Sampel4 R2 60ppm			STD		60.000	0.516	0.516	1.00	
5	Sampel4 R2 70ppm			STD		70.000	0.502	0.502	1.00	

Sampel Pengendapan 6 Jam Replikasi 3

Quantitation Standard Table

Print Date : 12/20/2023 01:51:54 PM



y = - 0.00141357 x + 0.605338
r2 = 0.99852

[Summary]

File Information
Filename: D:\SKRIPSI 2023\RINTA\RINTA SAMPEL\Sampel 4\Sampel4 Replikasi 3.vqud
Parameter File Name: D:\SKRIPSI 2023\PEMBANDING KUERSETIN.vqum
Analyst:
Date/Time: 12/19/2023 02:17:48 PM
Comments:
Report File Name:

[Measurement Parameters]

[Wavelengths] Ac
Type of Measuring Mode: Absorbance
rounded: OFF
Column Name: WL516
Measuring Method: Point (516.00nm)

[Calibration Curve]
Calibration Curve Creation: Sample Measurement
Calculation Method: 1.0000 * WL516
Column Name: Result
Calibration Curve Formula: Calculated Value = K1 * Concentration + K0
Pass Origin: OFF
Unit of Concentration: mg/L
Pass/Fail Judgment: OFF

[Standard]

[Standard Table]

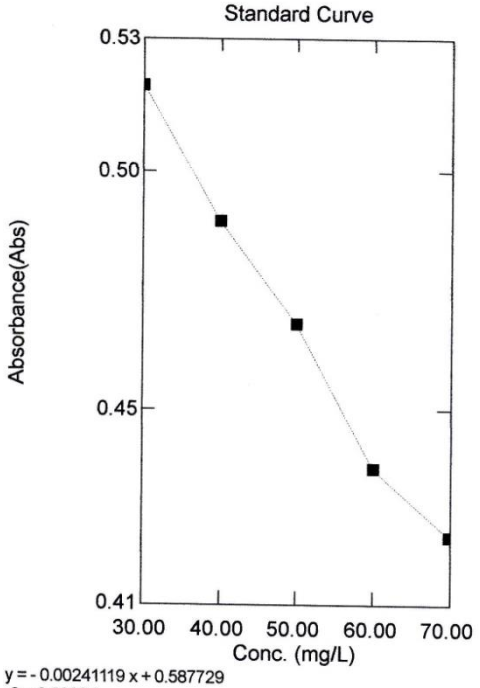
	Sample Name	Sam	Opt	Type	Ex	Conc	WL516	Result	Wgt.Facto	Com
1	Sampel4 R3 30 ppm			STD		30.000	0.562	0.562	1.00	
2	Sampel4 R3 40 ppm			STD		40.000	0.550	0.550	1.00	
3	Sampel4 R3 50 ppm			STD		50.000	0.534	0.534	1.00	
4	Sampel4 R3 60 ppm			STD		60.000	0.521	0.521	1.00	
5	Sampel4 R3 70 ppm			STD		70.000	0.507	0.507	1.00	

Lampiran 27. Hasil Absorbansi Sampel Serbuk Instan Jahe Merah Sesudah Stabilitas

Sampel Pengendapan 0 Jam Replikasi 1

Quantitation Standard Table

Print Date : 12/21/2023 09:46:30 AM



y = - 0.00241119 x + 0.587729
r2 = 0.99004

[Summary]

File Information
Filename: D:\SKRIPSI 2023\RINTA\SAMPEL Setelah Stabilitas\Sampel 1\Sampel 1 Replikasi 1.vqud
Parameter File Name: D:\SKRIPSI 2023\PEMBANDING KUERSETIN.vqum
Analyst:
Date/Time: 12/20/2023 11:20:32 AM
Comments:
Report File Name:

[Measurement Parameters]

[Wavelengths] Ac
Type of Measuring Mode: Absorbance
rounded: OFF
Column Name: WL516
Measuring Method: Point (516.00nm)

[Calibration Curve]
Calibration Curve Creation: Sample Measurement
Calculation Method: 1.0000 * WL516 Result
Column Name:
Calibration Curve Formula: Calculated Value = K1 * Concentration + K0
Pass Origin: OFF
Unit of Concentration: mg/L
Pass/Fail Judgment: OFF

[Standard]

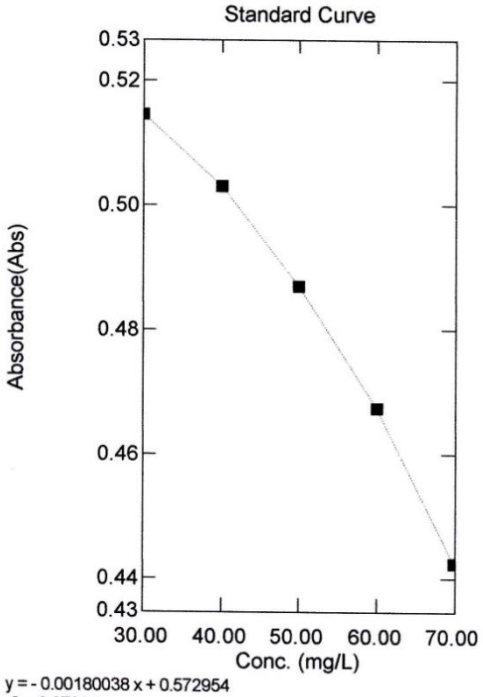
[Standard Table]

	Sample Name	Sam	Opt	Type	Ex	Conc	WL516	Result	Wgt.Facto	Com
1	Sampel 1 R1 30ppm			STD		30.000	0.518	0.518	1.00	
2	Sampel 1 R1 40ppm			STD		40.000	0.489	0.489	1.00	
3	Sampel 1 R1 50ppm			STD		50.000	0.468	0.468	1.00	
4	Sampel 1 R1 60ppm			STD		60.000	0.438	0.438	1.00	
5	Sampel 1 R1 70ppm			STD		70.000	0.423	0.423	1.00	

Sampel Pengendapan 0 Jam Replikasi 2

Quantitation Standard Table

Print Date : 12/22/2023 12:58:31 PM



y = - 0.00180038 x + 0.572954
r2 = 0.97964

[Summary]

File Information
Filename: D:\SKRIPSI 2023\RINTA\SAMPEL Setelah Stabilitas\Sampel 1\Sampel 1 Replikasi 2.vqud
Parameter File Name: D:\SKRIPSI 2023\PEMBANDING KUERSETIN.vqum
Analyst:
Date/Time: 12/22/2023 12:58:08 PM
Comments:
Report File Name:

[Measurement Parameters]

[Wavelengths] Ac
Type of Measuring Mode: Absorbance
rounded: OFF
Column Name: WL516
Measuring Method: Point (516.00nm)

[Calibration Curve]
Calibration Curve Creation: Sample Measurement
Calculation Method: 1.0000 * WL516
Column Name: Result
Calibration Curve Formula: Calculated Value = K1 * Concentration + K0
Pass Origin: OFF
Unit of Concentration: mg/L
Pass/Fail Judgment: OFF

[Standard]

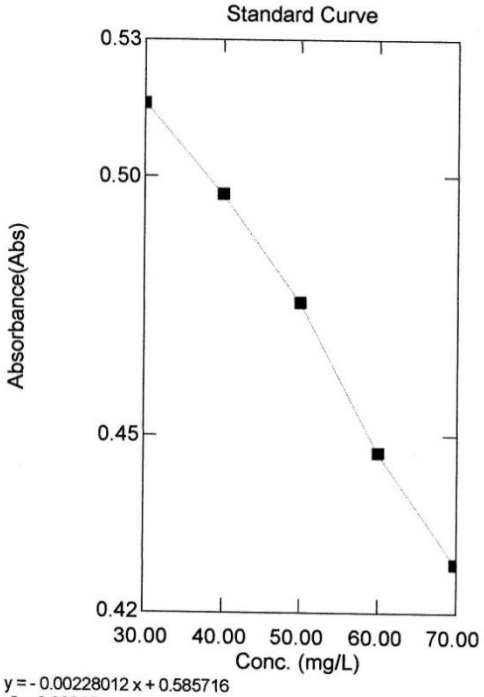
[Standard Table]

	Sample Name	Sam	Opt	Type	Ex	Conc	WL516	Result	Wgt.Facto	Com
1	Sampel 1 R2 30 ppm			STD		30.000	0.515	0.515	1.00	
2	Sampel 1 R2 40 ppm			STD		40.000	0.503	0.503	1.00	
3	Sampel 1 R2 50 ppm			STD		50.000	0.487	0.487	1.00	
4	Sampel 1 R2 60 ppm			STD		60.000	0.467	0.467	1.00	
5	Sampel 1 R2 70 ppm			STD		70.000	0.442	0.442	1.00	

Sampel pengendapan 0 jam replikasi 3

Quantitation Standard Table

Print Date : 12/22/2023 10:42:43 AM



y = - 0.00228012 x + 0.585716
r2 = 0.99318

[Summary]

File Information
Filename: D:\SKRIPSI 2023\RINTA\SAMPEL Setelah Stabilitas\Sampel 1\Sampel 1 Replikasi 3.vqud
Parameter File Name: D:\SKRIPSI 2023\PEMBANDING KUERSETIN.vqum
Analyst:
Date/Time: 12/22/2023 10:38:05 AM
Comments:
Report File Name:

[Measurement Parameters]

[Wavelengths] Ac
Type of Measuring Mode: Absorbance
rounded: OFF
Column Name: WL516
Measuring Method: Point (516.00nm)

[Calibration Curve]
Calibration Curve Creation: Sample Measurement
Calculation Method: 1.0000 * WL516
Column Name: Result
Calibration Curve Formula: Calculated Value = K1 * Concentration + K0
Pass Origin: OFF
Unit of Concentration: mg/L
Pass/Fail Judgment: OFF

[Standard]

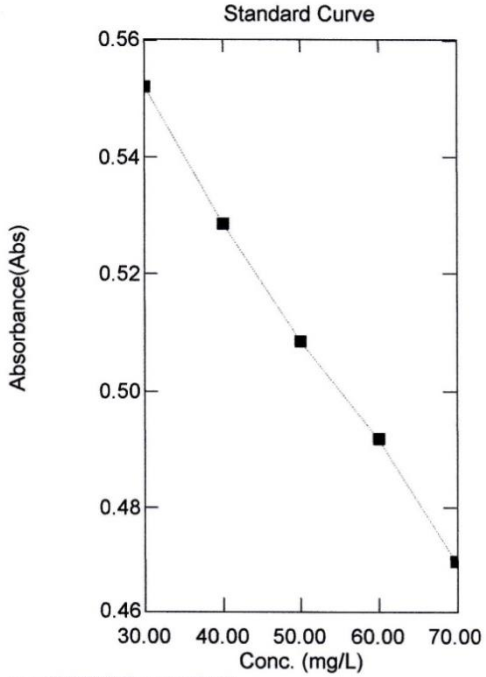
[Standard Table]

	Sample Name	Sam	Opt	Type	Ex	Conc	WL516	Result	Wgt.Facto	Com
1	Sampel 1 R3 30ppm			STD		30.000	0.514	0.514	1.00	
2	Sampel 1 R3 40ppm			STD		40.000	0.497	0.497	1.00	
3	Sampel 1 R3 50ppm			STD		50.000	0.476	0.476	1.00	
4	Sampel 1 R3 60ppm			STD		60.000	0.447	0.447	1.00	
5	Sampel 1 R3 70ppm			STD		70.000	0.425	0.425	1.00	

Sampel pengendapan 2 jam replikasi 1

Quantitation Standard Table

Print Date : 12/22/2023 12:26:43 PM



y = - 0.00199570 x + 0.610143
r2 = 0.99728

[Summary]

File Information
Filename: D:\SKRIPSI 2023\RINTA\SAMPEL Setelah Stabilitas\Sampel 2\Sampel 2 Replikasi 1.vqud
Parameter File Name: D:\SKRIPSI 2023\PEMBANDING KUERSETIN.vqum
Analyst:
Date/Time: 12/22/2023 12:24:26 PM
Comments:
Report File Name:

[Measurement Parameters]

[Wavelengths] Ac
Type of Measuring Mode: Absorbance
rounded: OFF
Column Name: WL516
Measuring Method: Point (516.00nm)

[Calibration Curve]
Calibration Curve Creation: Sample Measurement
Calculation Method: 1.0000 * WL516
Column Name: Result
Calibration Curve Formula: Calculated Value = K1 * Concentration + K0
Pass Origin: OFF
Unit of Concentration: mg/L
Pass/Fail Judgment: OFF

[Standard]

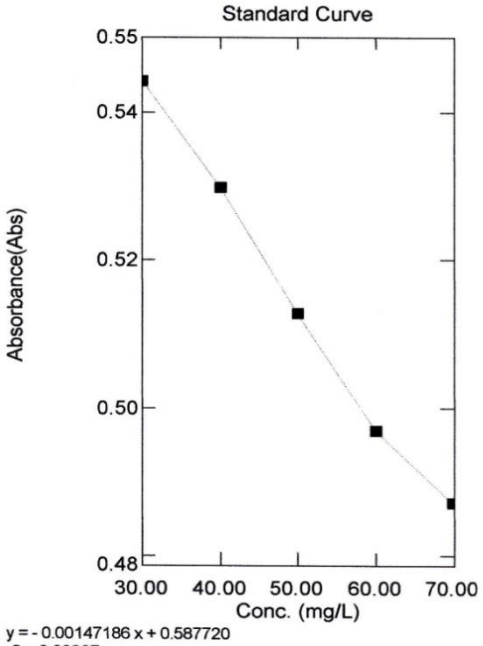
[Standard Table]

	Sample Name	Sam	Opt	Type	Ex	Conc	WL516	Result	Wgt.Facto	Com
1	Sampel 2 R1 30 ppm			STD		30.000	0.552	0.552	1.00	
2	Sampel 2 R1 40 ppm			STD		40.000	0.529	0.529	1.00	
3	Sampel 2 R1 50 ppm			STD		50.000	0.509	0.509	1.00	
4	Sampel 2 R1 60 ppm			STD		60.000	0.492	0.492	1.00	
5	Sampel 2 R1 70 ppm			STD		70.000	0.471	0.471	1.00	

Sampel pengendapan 2 jam replikasi 2

Quantitation Standard Table

Print Date : 12/21/2023 12:09:53 PM



y = - 0.00147186 x + 0.587720
r2 = 0.99307

[Summary]

File Information
Filename: D:\SKRIPSI 2023\RINTA\RINTA SAMPEL\Sampel 2\Sampel 2 Replikasi2.vqud
Parameter File Name: D:\SKRIPSI 2023\PEMBANDING KUERSETIN.vqum
Analyst:
Date/Time: 12/21/2023 12:08:54 PM
Comments:
Report File Name:

[Measurement Parameters]

[Wavelengths] Ac
Type of Measuring Mode: Absorbance
rounded: OFF
Column Name: WL516
Measuring Method: Point (516.00nm)

[Calibration Curve]
Calibration Curve Creation: Sample Measurement
Calculation Method: 1.0000 * WL516
Column Name: Result
Calibration Curve Formula: Calculated Value = K1 * Concentration + K0
Pass Origin: OFF
Unit of Concentration: mg/L
Pass/Fail Judgment: OFF

[Standard]

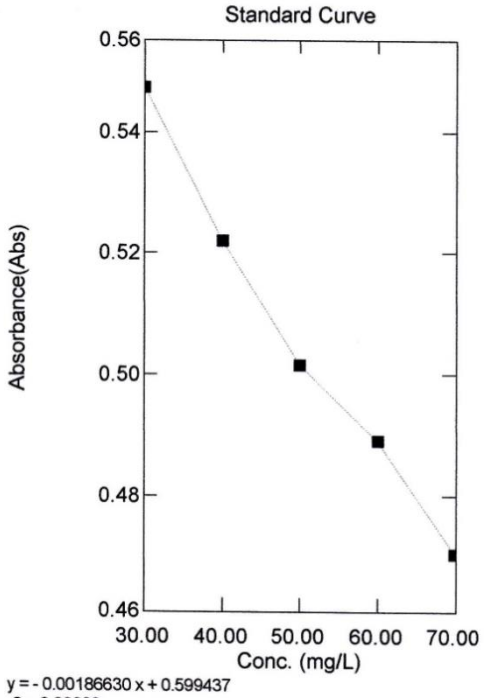
[Standard Table]

	Sample Name	Sam	Opt	Type	Ex	Conc	WL516	Result	Wgt.Facto	Com
1	Sampel2 R2 30ppm			STD		30.000	0.544	0.544	1.00	
2	Sampel2 R2 40ppm			STD		40.000	0.530	0.530	1.00	
3	Sampel2 R2 50ppm			STD		50.000	0.513	0.513	1.00	
4	Sampel2 R2 60ppm			STD		60.000	0.497	0.497	1.00	
5	Sampel2 R2 70ppm			STD		70.000	0.487	0.487	1.00	

Sampel pengendapan 2 jam replikasi 3

Quantitation Standard Table

Print Date : 12/21/2023 09:48:49 AM



y = - 0.00186630 x + 0.599437
r2 = 0.98663

[Summary]

File Information
Filename: D:\SKRIPSI 2023\RINTA\SAMPEL Setelah Stabilitas\Sampel 2\Sampel 2 Replikasi 3.vqud
Parameter File Name: D:\SKRIPSI 2023\PEMBANDING KUERSETIN.vqum
Analyst:
Date/Time: 12/20/2023 12:27:06 PM
Comments:
Report File Name:

[Measurement Parameters]

[Wavelengths] Ac
Type of Measuring Mode: Absorbance
rounded: OFF
Column Name: WL516
Measuring Method: Point (516.00nm)

[Calibration Curve]
Calibration Curve Creation: Sample Measurement
Calculation Method: 1.0000 * WL516
Column Name: Result
Calibration Curve Formula: Calculated Value = K1 * Concentration + K0
Pass Origin: OFF
Unit of Concentration: mg/L
Pass/Fail Judgment: OFF

[Standard]

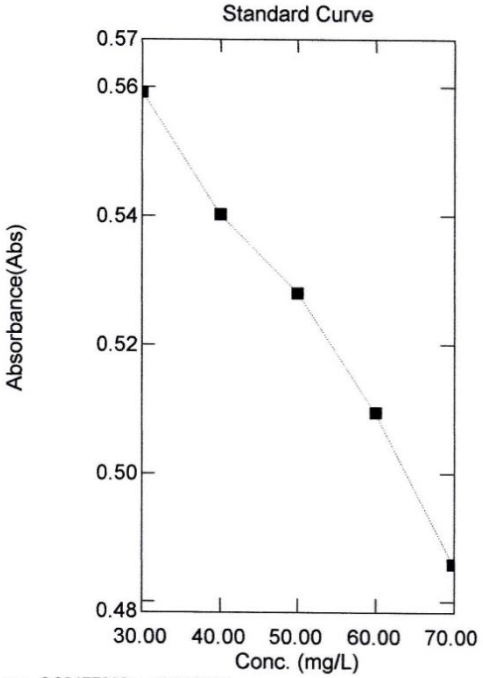
[Standard Table]

	Sample Name	Sam	Opt	Type	Ex	Conc	WL516	Result	Wgt.Facto	Com
1	Sampel2 R3 30ppm			STD		30.000	0.547	0.547	1.00	
2	Sampel2 R3 40ppm			STD		40.000	0.522	0.522	1.00	
3	Sampel2 R3 50ppm			STD		50.000	0.502	0.502	1.00	
4	Sampel2 R3 60ppm			STD		60.000	0.489	0.489	1.00	
5	Sampel2 R3 70ppm			STD		70.000	0.470	0.470	1.00	

Sampel pengendapan 4 jam replikasi 1

Quantitation Standard Table

Print Date : 12/22/2023 11:20:39 AM



y = - 0.00177292 x + 0.613127
r2 = 0.98924

[Summary]

File Information
Filename: D:\SKRIPSI 2023\RINTA\SAMPEL Setelah Stabilitas\Sampel 3\Sampel 3 Replikasi 1.vqud
Parameter File Name: D:\SKRIPSI 2023\PEMBANDING KUERSETIN.vqum
Analyst:
Date/Time: 12/22/2023 11:20:04 AM
Comments:
Report File Name:

[Measurement Parameters]

[Wavelengths] Ac
Type of Measuring Mode: Absorbance
rounded: OFF
Column Name: WL516
Measuring Method: Point (516.00nm)

[Calibration Curve]
Calibration Curve Creation: Sample Measurement
Calculation Method: 1.0000 * WL516
Column Name: Result
Calibration Curve Formula: Calculated Value = K1 * Concentration + K0
Pass Origin: OFF
Unit of Concentration: mg/L
Pass/Fail Judgment: OFF

[Standard]

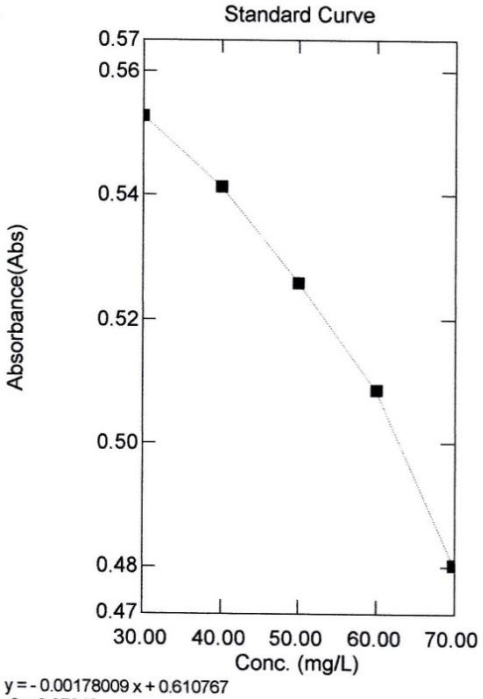
[Standard Table]

	Sample Name	Sam	Opt	Type	Ex	Conc	WL516	Result	Wgt.Facto	Com
1	Sampel3 R1 30ppm			STD		30.000	0.559	0.559	1.00	
2	Sampel3 R1 40ppm			STD		40.000	0.540	0.540	1.00	
3	Sampel3 R1 50ppm			STD		50.000	0.528	0.528	1.00	
4	Sampel3 R1 60ppm			STD		60.000	0.509	0.509	1.00	
5	Sampel3 R1 70ppm			STD		70.000	0.486	0.486	1.00	

Sampel pengendapan 4 jam replikasi 2

Quantitation Standard Table

Print Date : 12/22/2023 11:40:23 AM



y = - 0.00178009 x + 0.610767
r2 = 0.97043

[Summary]

File Information
Filename: D:\SKRIPSI 2023\RINTA\SAMPEL Setelah Stabilitas\Sampel 3\Sampel 3 Replikasi 2.vqud
Parameter File Name: D:\SKRIPSI 2023\PEMBANDING KUERSETIN.vqum
Analyst:
Date/Time: 12/22/2023 11:39:35 AM
Comments:
Report File Name:

[Measurement Parameters]

[Wavelengths] Ac
Type of Measuring Mode: Absorbance
rounded: OFF
Column Name: WL516
Measuring Method: Point (516.00nm)

[Calibration Curve]
Calibration Curve Creation: Sample Measurement
Calculation Method: 1.0000 * WL516
Column Name: Result
Calibration Curve Formula: Calculated Value = K1 * Concentration + K0
Pass Origin: OFF
Unit of Concentration: mg/L
Pass/Fail Judgment: OFF

[Standard]

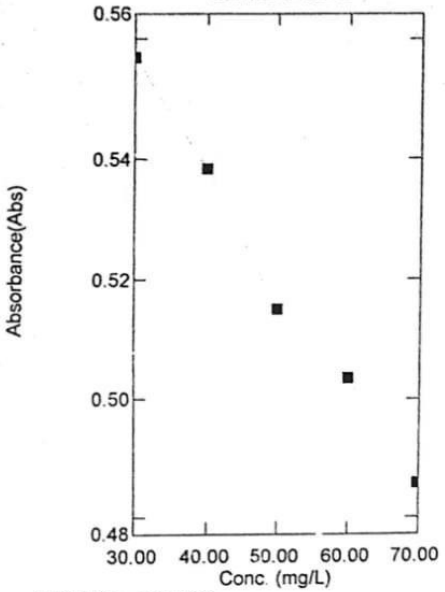
[Standard Table]

	Sample Name	Sam	Opt	Type	Ex	Conc	WL516	Result	Wgt.Facto	Com
1	Sampel 3 R2 30 ppm			STD		30.000	0.553	0.553	1.00	
2	Sampel 3 R2 40 ppm			STD		40.000	0.541	0.541	1.00	
3	Sampel 3 R2 50 ppm			STD		50.000	0.526	0.526	1.00	
4	Sampel 3 R2 60 ppm			STD		60.000	0.508	0.508	1.00	
5	Sampel 3 R2 70 ppm			STD		70.000	0.480	0.480	1.00	

Sampel pengendapan 4 jam replikasi 3

Quantitation Standard Table

Print Date : 12/22/2023 11:56:23 AM



y = - 0.00177261 x + 0.608540
r2 = 0.99022

[Summary]

File Information
Filename: D:\SKRIPSI 2023\RINTA\SAMPEL Setelah Stabilitas\Sampel 3\Sampel Replikasi 3.vqud
Parameter File Name: D:\SKRIPSI 2023\PEMBANDING KUERSETIN.vqum
Analyst:
Date/Time: 12/22/2023 11:56:17 AM
Comments:
Report File Name:

[Measurement Parameters]

[Wavelengths]
Type of Measuring Mode: Absorbance
rounded: OFF
Column Name: WL516
Measuring Method: Point (516.00nm)

[Calibration Curve]
Calibration Curve Creation: Sample Measurement
Calculation Method: 1.0000 * WL516
Column Name: Result
Calibration Curve Formula: Calculated Value = K1 * Concentration + K0
Pass Origin: OFF
Unit of Concentration: mg/L
Pass/Fail Judgment: OFF

[Standard]

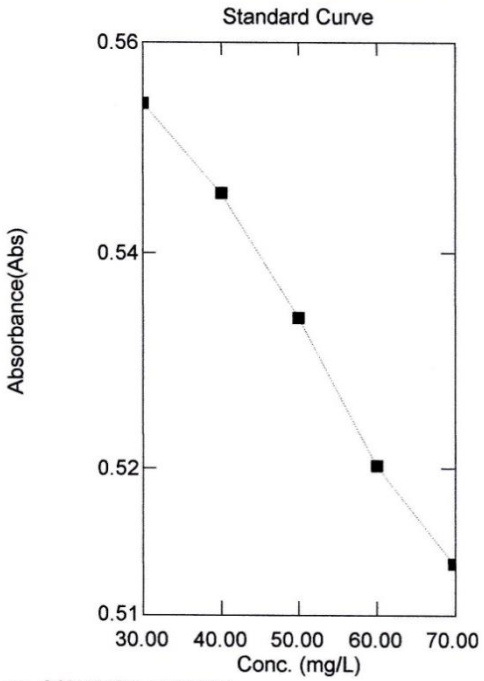
[Standard Table]

	Sample Name	Sam	Opt	Type	Ex	Conc	WL516	Result	Wgt.Facto	Com
1	Sampel3 R3 30 ppm			STD		30.000	0.557	0.557	1.00	
2	Sampel3 R3 40 ppm			STD		40.000	0.538	0.538	1.00	
3	Sampel3 R3 50 ppm			STD		50.000	0.515	0.515	1.00	
4	Sampel3 R3 60 ppm			STD		60.000	0.503	0.503	1.00	
5	Sampel3 R3 70 ppm			STD		70.000	0.486	0.486	1.00	

Sampel pengendapan 6 jam replikasi 1

Quantitation Standard Table

Print Date : 12/21/2023 09:50:35 AM



y = - 0.00110748 x + 0.588324
r2 = 0.99382

[Summary]

File Information
Filename: D:\SKRIPSI 2023\RINTA\SAMPEL Setelah Stabilitas\Sampel 4\Sampel 4 Replikasi 1.vqud
Parameter File Name: D:\SKRIPSI 2023\PEMBANDING KUERSETIN.vqum
Analyst:
Date/Time: 12/20/2023 01:19:02 PM
Comments:
Report File Name:

[Measurement Parameters]

[Wavelengths] Ac
Type of Measuring Mode: Absorbance
rounded: OFF
Column Name: WL516
Measuring Method: Point (516.00nm)

[Calibration Curve]
Calibration Curve Creation: Sample Measurement
Calculation Method: 1.0000 * WL516
Column Name: Result
Calibration Curve Formula: Calculated Value = K1 * Concentration + K0
Pass Origin: OFF
Unit of Concentration: mg/L
Pass/Fail Judgment: OFF

[Standard]

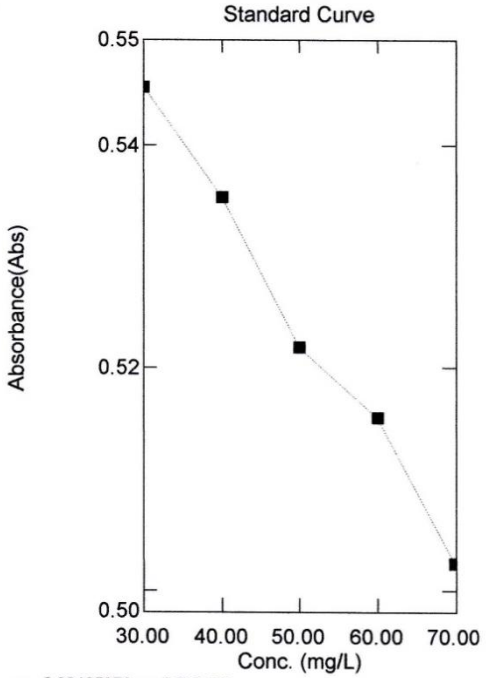
[Standard Table]

	Sample Name	Sam	Opt	Type	Ex	Conc	WL516	Result	Wgt.Facto	Com
1	Sampel4 R1 30ppm			STD		30.000	0.554	0.554	1.00	
2	Sampel4 R1 40ppm			STD		40.000	0.546	0.546	1.00	
3	Sampel4 R1 50ppm			STD		50.000	0.534	0.534	1.00	
4	Sampel4 R1 60ppm			STD		60.000	0.520	0.520	1.00	
5	Sampel4 R1 70ppm			STD		70.000	0.511	0.511	1.00	

Sampel pengendapan 6 jam replikasi 2

Quantitation Standard Table

Print Date : 12/21/2023 12:43:41 PM



y = - 0.00105270 x + 0.576680
r2 = 0.99106

[Summary]

File Information
Filename: C:\UVVis-Data\Data\Sampel 4 Replikasi2._231221_124325.vqud
Parameter File Name: D:\SKRIPSI 2023\PEMBANDING KUERSETIN.vqum
Analyst:
Date/Time: 12/21/2023 12:43:05 PM
Comments:
Report File Name:

[Measurement Parameters]

[Wavelengths] Ac
Type of Measuring Mode: Absorbance
rounded: OFF
Column Name: WL516
Measuring Method: Point (516.00nm)

[Calibration Curve]
Calibration Curve Creation: Sample Measurement
Calculation Method: 1.0000 * WL516
Column Name: Result
Calibration Curve Formula: Calculated Value = K1 * Concentration + K0
Pass Origin: OFF
Unit of Concentration: mg/L
Pass/Fail Judgment: OFF

[Standard]

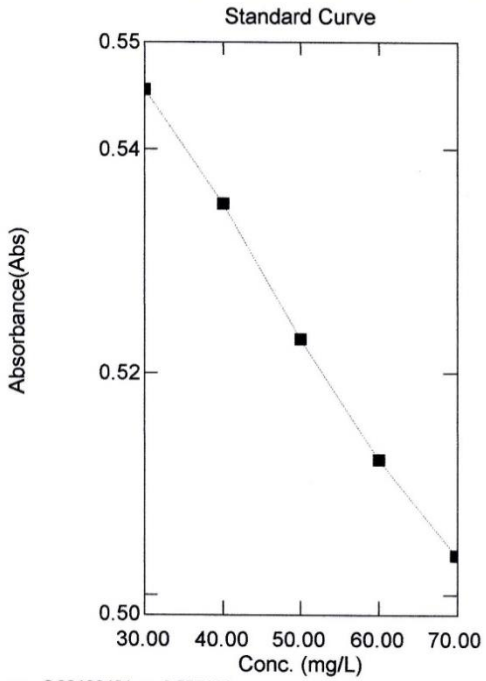
[Standard Table]

	Sample Name	Sam	Opt	Type	Ex	Conc	WL516	Result	Wgt.Facto	Com
1	Sampel4 R2 30 ppm			STD		30.000	0.545	0.545	1.00	
2	Sampel4 R2 40 ppm			STD		40.000	0.535	0.535	1.00	
3	Sampel4 R2 50 ppm			STD		50.000	0.522	0.522	1.00	
4	Sampel4 R2 60 ppm			STD		60.000	0.516	0.516	1.00	
5	Sampel4 R2 70 ppm			STD		70.000	0.502	0.502	1.00	

Sampel pengendapan 6 jam replikasi 3

Quantitation Standard Table

Print Date : 12/21/2023 09:51:09 AM



y = - 0.00106491 x + 0.577126
r2 = 0.99710

[Summary]

File Information
Filename: D:\SKRIPSI 2023\RINTA\SAMPEL Setelah Stabilitas\Sampel 4\Sampel 4 Replikasi 3.vqud
Parameter File Name: D:\SKRIPSI 2023\PEMBANDING KUERSETIN.vqum
Analyst:
Date/Time: 12/20/2023 01:37:21 PM
Comments:
Report File Name:

[Measurement Parameters]

[Wavelengths] Ac
Type of Measuring Mode: Absorbance
rounded: OFF
Column Name: WL516
Measuring Method: Point (516.00nm)

[Calibration Curve]
Calibration Curve Creation: Sample Measurement
Calculation Method: 1.0000 * WL516
Column Name: Result
Calibration Curve Formula: Calculated Value = K1 * Concentration + K0
Pass Origin: OFF
Unit of Concentration: mg/L
Pass/Fail Judgment: OFF

[Standard]

[Standard Table]

	Sample Name	Sam	Opt	Type	Ex	Conc	WL516	Result	Wgt.Facto	Com
1	Sampel4 R3 30ppm			STD		30.000	0.545	0.545	1.00	
2	Sampel4 R3 40ppm			STD		40.000	0.535	0.535	1.00	
3	Sampel4 R3 50ppm			STD		50.000	0.523	0.523	1.00	
4	Sampel4 R3 60ppm			STD		60.000	0.512	0.512	1.00	
5	Sampel4 R3 70ppm			STD		70.000	0.504	0.504	1.00	

Lampiran 28. Perhitungan Waktu Alir

Perhitungan waktu alir : $\frac{Massa\ granul}{Waktu\ alir}$

a. Sebelum Stabilitas

Pengendapan 0 Jam	R1 = $\frac{Massa\ granul}{Waktu\ alir}$ = $\frac{100\ g}{1{,}20\ detik}$ = 83,33 g/detik	R2 = $\frac{Massa\ granul}{Waktu\ alir}$ = $\frac{100\ g}{1{,}60\ detik}$ = 62,5 g/detik	R3 = $\frac{Massa\ granul}{Waktu\ alir}$ = $\frac{100\ g}{1{,}05\ detik}$ = 95,23 g/detik
Pengendapan 2 Jam	R1 = $\frac{Massa\ granul}{Waktu\ alir}$ = $\frac{100\ g}{1{,}1\ detik}$ = 90,91 g/detik	R2 = $\frac{Massa\ granul}{Waktu\ alir}$ = $\frac{100\ g}{1{,}40\ detik}$ = 71,42 g/detik	R3 = $\frac{Massa\ granul}{Waktu\ alir}$ = $\frac{100\ g}{1{,}20\ detik}$ = 83,33 g/detik
Pengendapan 4 Jam	R1 = $\frac{Massa\ granul}{Waktu\ alir}$ = $\frac{100\ g}{1{,}25\ detik}$ = 80 g/detik	R2 = $\frac{Massa\ granul}{Waktu\ alir}$ = $\frac{100\ g}{20\ detik}$ = 83,33 g/detik	R3 = $\frac{Massa\ granul}{Waktu\ alir}$ = $\frac{100\ g}{1{,}15\ detik}$ = 86,96 g/detik
Pengendapan 6 Jam	R1 = $\frac{Massa\ granul}{Waktu\ alir}$ = $\frac{100\ g}{1\ detik}$ = 100 g/detik	R2 = $\frac{Massa\ granul}{Waktu\ alir}$ = $\frac{100\ g}{1{,}15\ detik}$ = 86,96 g/detik	R3 = $\frac{Massa\ granul}{Waktu\ alir}$ = $\frac{100\ g}{1{,}15\ detik}$ = 86,96 g/detik

b. Sesudah Stabilitas

Pengendapan 0 Jam	R1 = $\frac{Massa\ granul}{Waktu\ alir}$ = $\frac{100\ g}{1{,}25\ detik}$ = 80 g/detik	R2 = $\frac{Massa\ granul}{Waktu\ alir}$ = $\frac{100\ g}{1{,}38\ detik}$ = 72,46 g/detik	R3 = $\frac{Massa\ granul}{Waktu\ alir}$ = $\frac{100\ g}{1{,}40\ detik}$ = 71,43 g/detik
Pengendapan 2 Jam	R1 = $\frac{Massa\ granul}{Waktu\ alir}$ = $\frac{100\ g}{1{,}1\ detik}$ = 90,91 g/detik	R2 = $\frac{Massa\ granul}{Waktu\ alir}$ = $\frac{100\ g}{1{,}60\ detik}$ = 62,5 g/detik	R3 = $\frac{Massa\ granul}{Waktu\ alir}$ = $\frac{100\ g}{1{,}20\ detik}$ = 83,33 g/detik
Pengendapan 4 Jam	R1 = $\frac{Massa\ granul}{Waktu\ alir}$ = $\frac{100\ g}{1{,}20\ detik}$ = 83,33 g/detik	R2 = $\frac{Massa\ granul}{Waktu\ alir}$ = $\frac{100\ g}{1{,}50\ detik}$ = 66,67 g/detik	R3 = $\frac{Massa\ granul}{Waktu\ alir}$ = $\frac{100\ g}{1{,}10\ detik}$ = 90,91 g/detik
Pengendapan 6 Jam	R1 = $\frac{Massa\ granul}{Waktu\ alir}$ = $\frac{100\ g}{1{,}20\ detik}$ = 83,33 g/detik	R2 = $\frac{Massa\ granul}{Waktu\ alir}$ = $\frac{100\ g}{1{,}20\ detik}$ = 83,33 g/detik	R3 = $\frac{Massa\ granul}{Waktu\ alir}$ = $\frac{100\ g}{1\ detik}$ = 100 g/detik

Lampiran 29. Hasil Perhitungan Sudut Diam

Perhitungan sudut diam = $\text{Tan}\,\alpha = \frac{h}{r}$

c. Sebelum stabilitas

Pengendapan 0 Jam	R1 = $\text{Tan}\,\alpha = \frac{h}{r}$ $= \frac{2{,}319\ cm}{5cm}$ $= 24{,}88^o$	R2 = $\text{Tan}\,\alpha = \frac{h}{r}$ $= \frac{2{,}225\ cm}{5\ cm}$ $= 23{,}99^o$	R3 = $\text{Tan}\,\alpha = \frac{h}{r}$ $= \frac{2{,}307\ cm}{5\ cm}$ $= 24{,}77^o$
Pengendapan 2 Jam	R1 = $\text{Tan}\,\alpha = \frac{h}{r}$ $= \frac{2{,}331\ cm}{5cm}$ $= 24{,}99^o$	R2 = $\text{Tan}\,\alpha = \frac{h}{r}$ $= \frac{2{,}174\ cm}{5\ cm}$ $= 23{,}50^o$	R3 = $\text{Tan}\,\alpha = \frac{h}{r}$ $= \frac{2{,}339\ cm}{5\ cm}$ $= 25{,}070^o$
Pengendapan 4 Jam	R1 = $\text{Tan}\,\alpha = \frac{h}{r}$ $= \frac{2{,}191\ cm}{5cm}$ $= 23{,}66^o$	R2 = $\text{Tan}\,\alpha = \frac{h}{r}$ $= \frac{2{,}057\ cm}{5\ cm}$ $= 22{,}36^o$	R3 = $\text{Tan}\,\alpha = \frac{h}{r}$ $= \frac{2{,}197\ cm}{5\ cm}$ $= 23{,}72^o$
Pengendapan 6 Jam	R1 = $\text{Tan}\,\alpha = \frac{h}{r}$ $= \frac{2{,}200\ cm}{5cm}$ $= 23{,}75^o$	R2 = $\text{Tan}\,\alpha = \frac{h}{r}$ $= \frac{2{,}076\ cm}{5\ cm}$ $= 22{,}25^o$	R3 = $\text{Tan}\,\alpha = \frac{h}{r}$ $= \frac{2{,}225\ cm}{5\ cm}$ $= 23{,}99^o$

d. Sesudah stabilitas

Pengendapan 0 Jam	R1 = Tan $\alpha = \frac{h}{r}$ $= \frac{2{,}488\ cm}{5cm}$ = 26,45º	R2 = Tan $\alpha = \frac{h}{r}$ $= \frac{2{,}581\ cm}{5\ cm}$ = 27,30º	R3 = Tan $\alpha = \frac{h}{r}$ $= \frac{2{,}399\ cm}{5\ cm}$ = 25,63º
Pengendapan 2 Jam	R1 = Tan $\alpha = \frac{h}{r}$ $= \frac{2{,}448\ cm}{5cm}$ = 26,09º	R2 = Tan $\alpha = \frac{h}{r}$ $= \frac{2{,}513\ cm}{5\ cm}$ = 26,68º	R3 = Tan $\alpha = \frac{h}{r}$ $= \frac{2{,}394\ cm}{5\ cm}$ = 25,59º
Pengendapan 4 Jam	R1 = Tan $\alpha = \frac{h}{r}$ $= \frac{2{,}307\ cm}{5cm}$ = 24,77º	R2 = Tan $\alpha = \frac{h}{r}$ $= \frac{2{,}421\ cm}{5\ cm}$ = 25,84º	R3 = Tan $\alpha = \frac{h}{r}$ $= \frac{2{,}408\ cm}{5\ cm}$ = 25,72º
Pengendapan 6 Jam	R1 = Tan $\alpha = \frac{h}{r}$ $= \frac{2{,}199\ cm}{5cm}$ = 23,74º	R2 = Tan $\alpha = \frac{h}{r}$ $= \frac{2{,}440cm}{5\ cm}$ = 26,01º	R3 = Tan $\alpha = \frac{h}{r}$ $= \frac{2{,}413\ cm}{5\ cm}$ = 25,76º

Lampiran 30. Perhitungan Antioksidan Baku Pembanding *Quercetin*

Absorbansi blanko : 0,648

Konsentrasi ppm	**Absorbansi**	**%Inhibisi**	**IC_{50} (ppm)**	**Regresi Linier**	**Rata-Rata IC_{50} ± SD**

Replikasi 1					
2	0,433	32,87	4,154	a = 20,728 b = 7,0465 r = 0,9919	5,30 ± 1,87
4	0,326	49,46			
6	0,221	65,74			
8	0,143	77,83			
10	0,070	89,15			
Replikasi 2					
2	0,464	39,66	4,30	a = 24,548 b = 5,9187 r = 0,9707	
4	0,369	43,06			
6	0,258	60,19			
8	0,168	74,07			
10	0,108	83,33			
Replikasi 3					
2	0,463	28,55	7,46	a = 21,404 b = 3,8349 r = 0,9956	
4	0,404	37,65			
6	0,365	43,67			
8	0,305	52,93			
10	0,264	59,26			

Perhitungan Pengenceran Seri Konsentrasi Baku Pembanding *Quercetin*

2 ppm

V1.N1 = V2.N2

100 ppm = 5.2 ppm

$V1 = \frac{10}{100}$

V1 = 0,1 mL

4 ppm

V1.N1 = V2.N2

100 ppm = 5.4 ppm

$V1 = \frac{20}{100}$

V1 = 0,2 mL

6 ppm

V1.N1 = V2.N2

100 ppm = 5.6 ppm

$V1 = \frac{30}{100}$

V1 = 0,3 mL

8 ppm

V1.N1 = V2.N2

100 ppm = 5.8 ppm

$V1 = \frac{40}{100}$

V1 = 0,4 mL

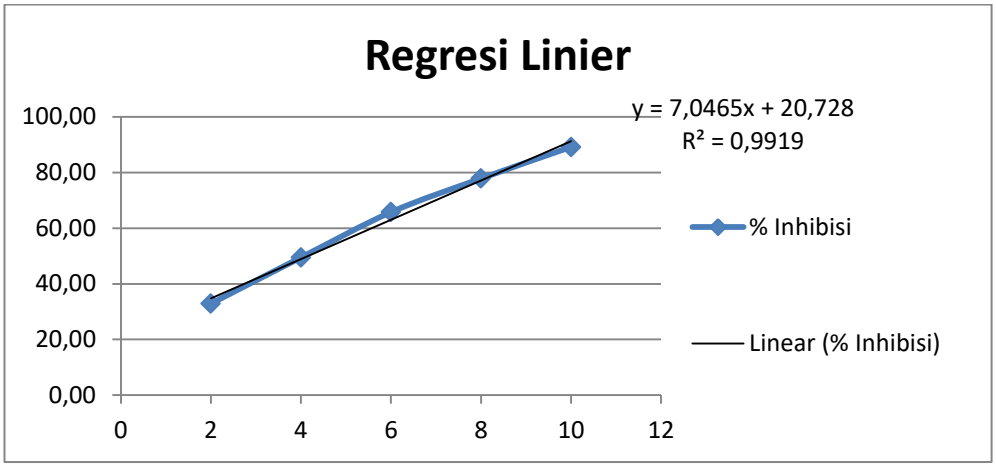
10 ppm

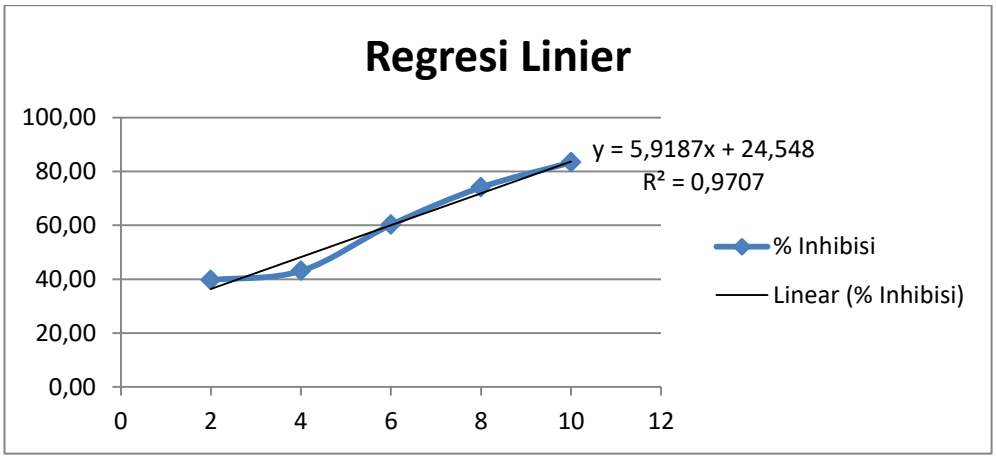
V1.N1 = V2.N2

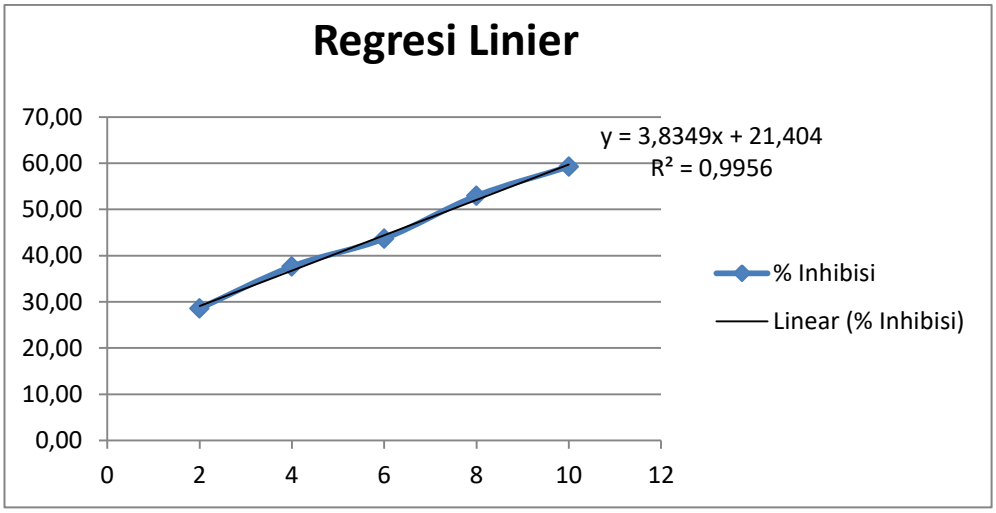
100 ppm = 5.10 ppm

$V1 = \frac{50}{100}$

V1 = 0,5 mL





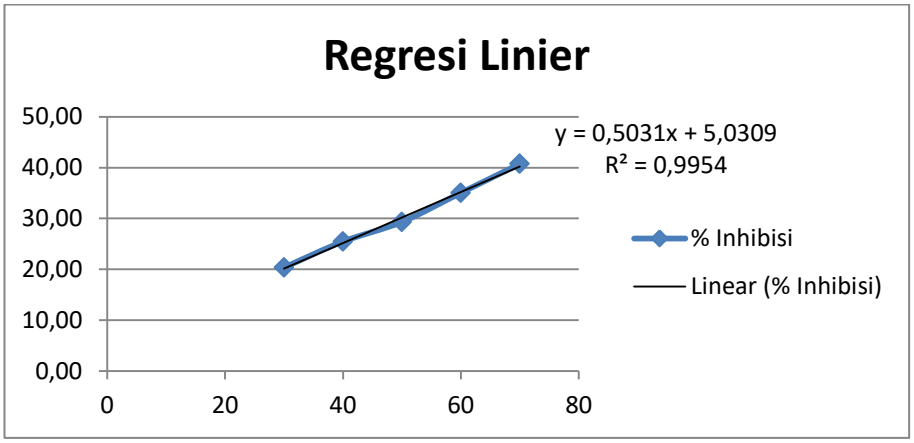


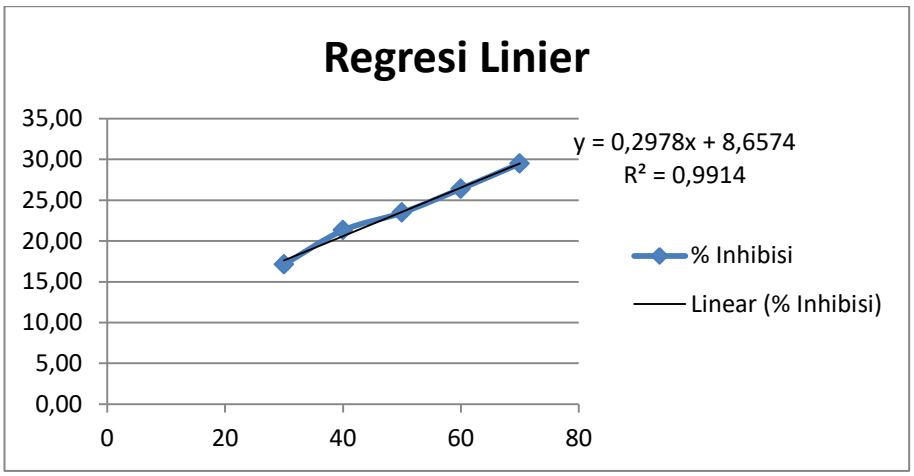
Lampiran 31. Perhitungan Aktivitas Antioksidan Sampel Sebelum Stabilitas

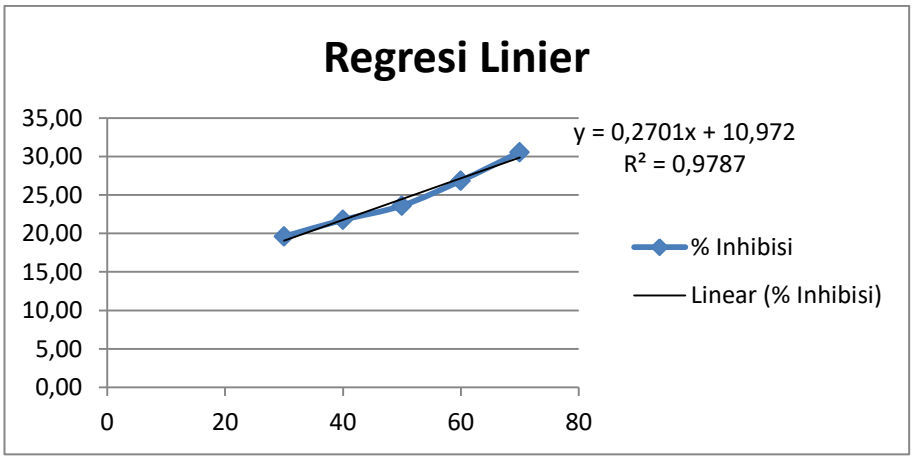
Absorbansi blanko : 0,648

Perlakuan Pengendapan 0 Jam

Konsentrasi ppm	**Absorbansi**	**%Inhibisi**	**IC_{50} ppm**	**Regresi Linier**	**Rata-Rata IC_{50} ± SD**
Replikasi 1					
30	0,516	20,37	89,36	a = 5,0309 b = 0,5031 r = 0,9954	124,24 ± 30,31
40	0,483	25,46			
50	0,458	29,32			
60	0,421	35,03			
70	0,384	40,74			
Replikasi 2					
30	0,537	17,13	138,83	a = 8,6574 b = 0,2978 r = 0,9914	
40	0,510	21,30			
50	0,496	23,46			
60	0,477	26,39			
70	0,457	29,48			
Replikasi 3					
30	0,521	19,60	144,49	a = 10,972 b = 0,2701 r = 0,9787	
40	0,507	21,76			
50	0,495	23,61			
60	0,474	26,85			
70	0,450	30,56			

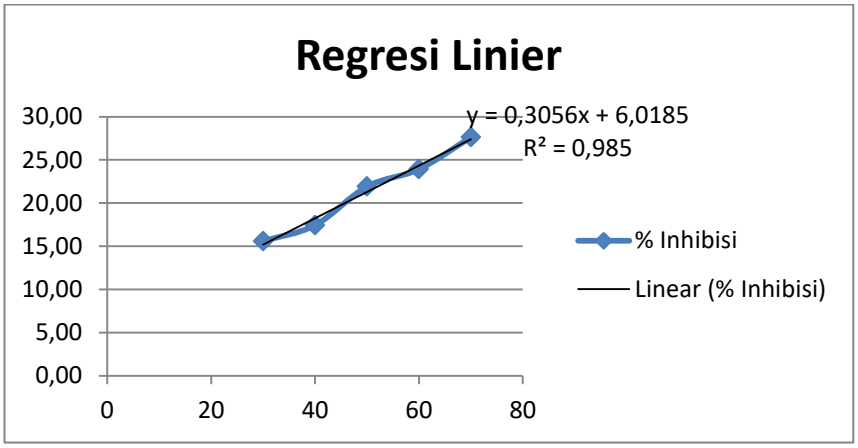

Regresi Linier
50,00
40,00
30,00
20,00
10,00
0,00
0
20
40
60
80
y = 0,5031x + 5,0309
R² = 0,9954
% Inhibisi
Linear (% Inhibisi)

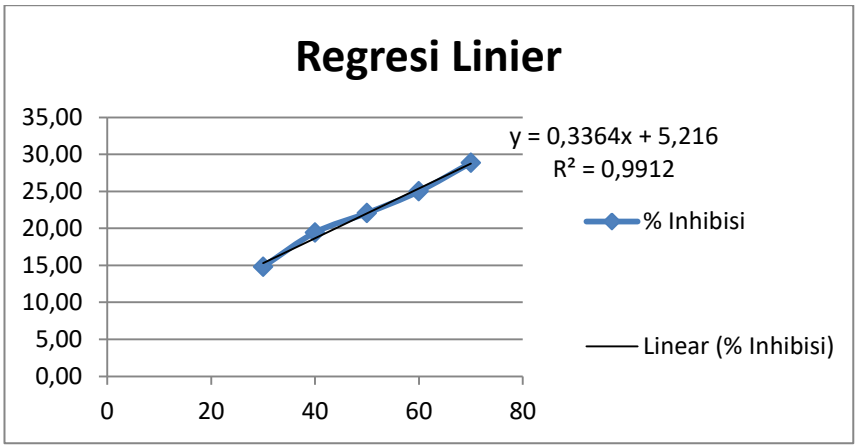

Regresi Linier
35,00
30,00
25,00
20,00
15,00
10,00
5,00
0,00
0
20
40
60
80
y = 0,2978x + 8,6574
R² = 0,9914
% Inhibisi
Linear (% Inhibisi)

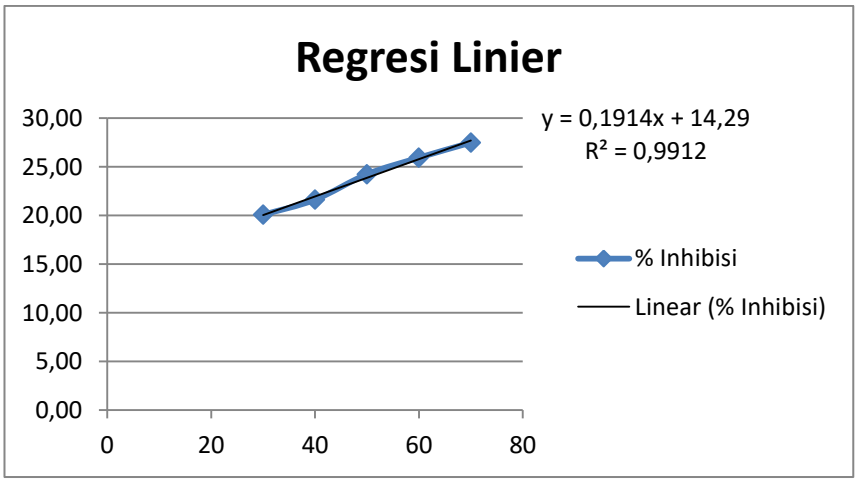

Regresi Linier
35,00
30,00
25,00
20,00
15,00
10,00
5,00
0,00
0
20
40
60
80
y = 0,2701x + 10,972
R² = 0,9787
% Inhibisi
Linear (% Inhibisi)

Perlakuan Pengendapan 2 Jam
Absorbansi blanko : 0,648

Konsentrasi ppm	Absorbansi	%Inhibisi	IC_{50} ppm	Regresi Linier	Rata-Rata IC_{50} ± SD
Replikasi 1					
30	0,547	15,59	143,92	a = 6,0185 b = 0,3056 r = 0,985	154,54 ± 28,26
40	0,535	17,44			
50	0,506	21,91			
60	0,493	23,92			
70	0,469	27,62			
Replikasi 2					
30	0,552	14,81	133,13	a = 5,216 b = 0,3364 r = 0,9912	
40	0,522	19,44			
50	0,505	22,07			
60	0,486	25,00			
70	0,461	28,86			
Replikasi 3					
30	0,518	20,06	186,57	a = 14,29 b = 0,1914 r = 0,9912	
40	0,508	21,60			
50	0,491	24,23			
60	0,480	25,93			
70	0,470	27,47			

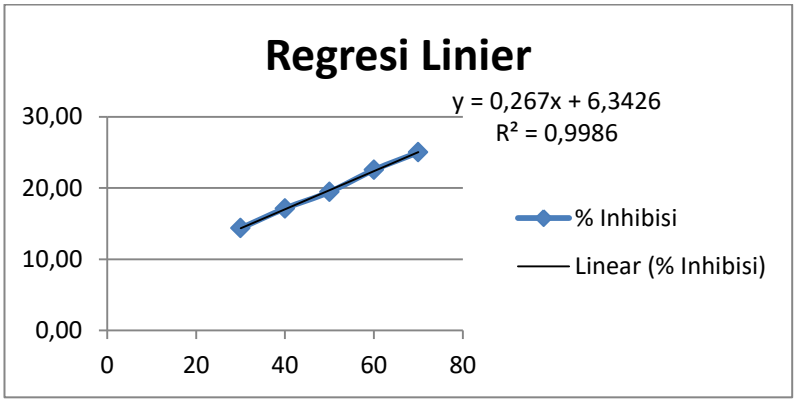

Regresi Linier
y = 0,3056x + 6,0185
R² = 0,985
30,00
25,00
20,00
15,00
10,00
5,00
0,00
0
20
40
60
80
% Inhibisi
Linear (% Inhibisi)

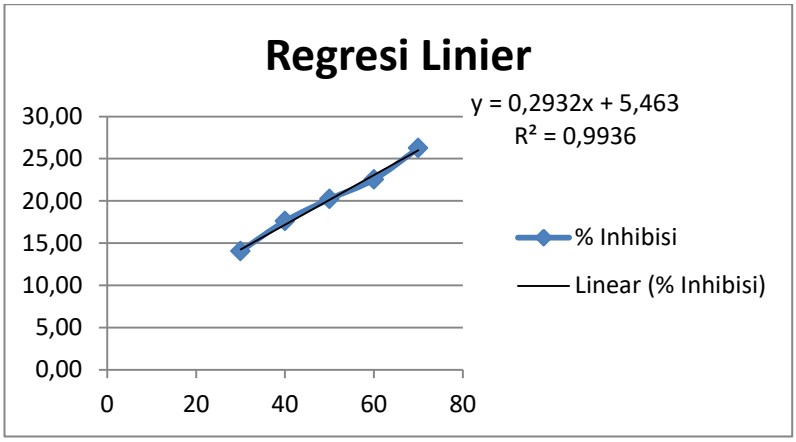

Regresi Linier
y = 0,3364x + 5,216
R² = 0,9912
35,00
30,00
25,00
20,00
15,00
10,00
5,00
0,00
0
20
40
60
80
% Inhibisi
Linear (% Inhibisi)

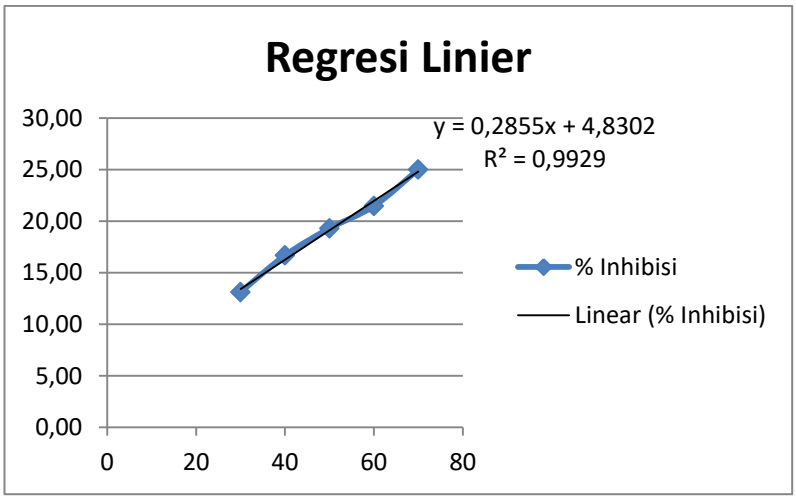

Regresi Linier
y = 0,1914x + 14,29
R² = 0,9912
30,00
25,00
20,00
15,00
10,00
5,00
0,00
0
20
40
60
80
% Inhibisi
Linear (% Inhibisi)

Perlakuan Pengendapan 4 Jam
Absorbansi blanko : 0,648

Konsentrasi ppm	**Absorbansi**	**%Inhibisi**	**IC_{50} ppm**	**Regresi Linier**	**Rata-Rata IC_{50} ±**
Replikasi 1					157,87 ± 5,81
30	0,555	14,35	163,51	a = 6,3426 b = 0,267 r = 0,9986	
40	0,537	17,13			
50	0,522	19,44			
60	0,502	22,53			
70	0,486	25			
Replikasi 2					
30	0,557	14,04	151,90	a = 5,463 b = 0,2932 r = 0,9936	
40	0,534	17,59			
50	0,517	20,22			
60	0,502	22,53			
70	0,478	26,23			
Replikasi 3					
30	0,563	13,12	158,21	a = 4,8302 b = 0,2855 r = 0,9929	
40	0,540	16,67			
50	0,523	19,29			
60	0,509	21,45			
70	0,486	25			

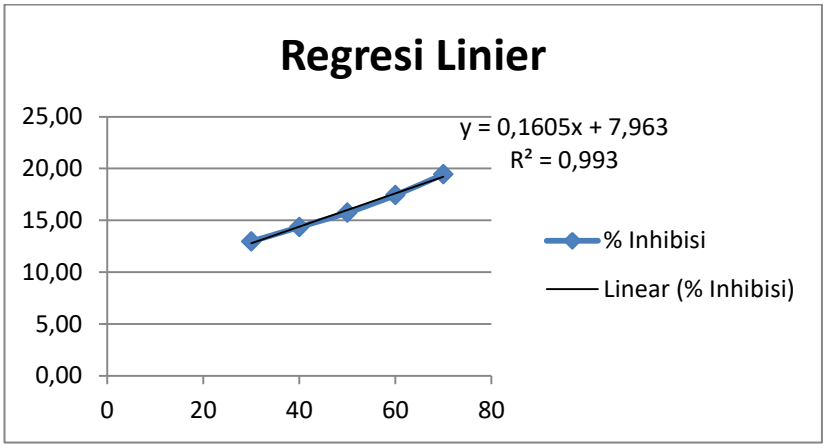

Regresi Linier
y = 0,267x + 6,3426
R² = 0,9986
30,00
20,00
10,00
0,00
0
20
40
60
80
% Inhibisi
Linear (% Inhibisi)

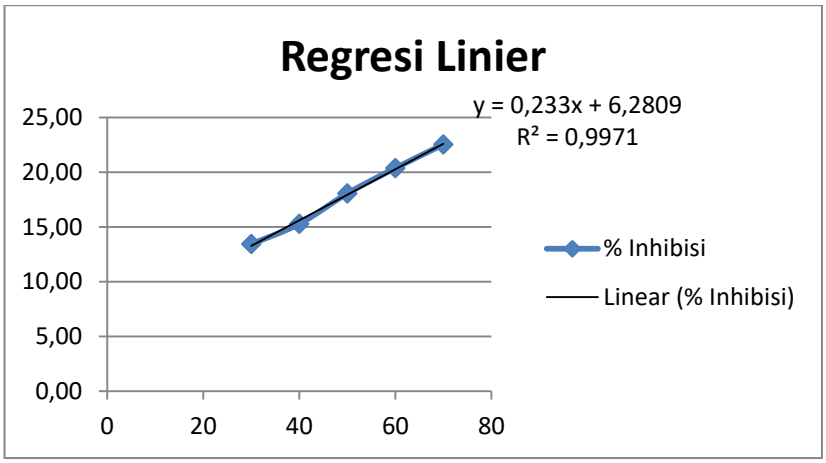

Regresi Linier
y = 0,2932x + 5,463
R² = 0,9936
30,00
25,00
20,00
15,00
10,00
5,00
0,00
0
20
40
60
80
% Inhibisi
Linear (% Inhibisi)

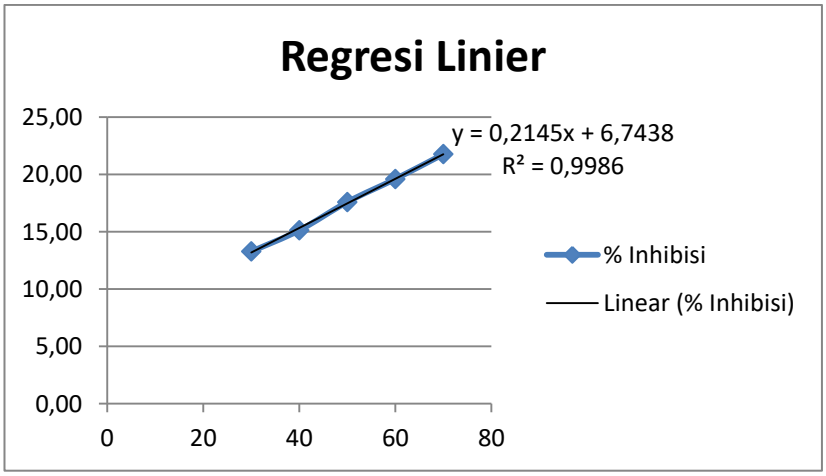

Regresi Linier
y = 0,2855x + 4,8302
R² = 0,9929
30,00
25,00
20,00
15,00
10,00
5,00
0,00
0
20
40
60
80
% Inhibisi
Linear (% Inhibisi)

Perlakuan Pengendapan 6 Jam
Absorbansi blanko : 0,648

Konsentrasi ppm	Absorbansi	%Inhibisi	IC_{50} ppm	Regresi Linier	Rata-Rata IC_{50} ± SD
Replikasi 1					
30	0,564	12,96	261,91	a = 7,963 b = 0,1605 r = 0,993	217,07 ± 39,46
40	0,555	14,35			
50	0,546	15,74			
60	0,535	17,44			
70	0,522	19,44			
Replikasi 2					
30	0,561	13,43	187,64	a = 6,2809 b = 0,233 r = 0,9971	
40	0,549	15,28			
50	0,531	18,06			
60	0,516	20,37			
70	0,502	22,53			
Replikasi 3					
30	0,562	13,27	201,66	a = 6,7438 b = 0,2145 r = 0,9986	
40	0,55	15,12			
50	0,534	17,59			
60	0,521	19,60			
70	0,507	21,76			


Regresi Linier
y = 0,1605x + 7,963
R² = 0,993
25,00
20,00
15,00
10,00
5,00
0,00
0
20
40
60
80
% Inhibisi
Linear (% Inhibisi)


Regresi Linier
y = 0,233x + 6,2809
R² = 0,9971
25,00
20,00
15,00
10,00
5,00
0,00
0
20
40
60
80
% Inhibisi
Linear (% Inhibisi)

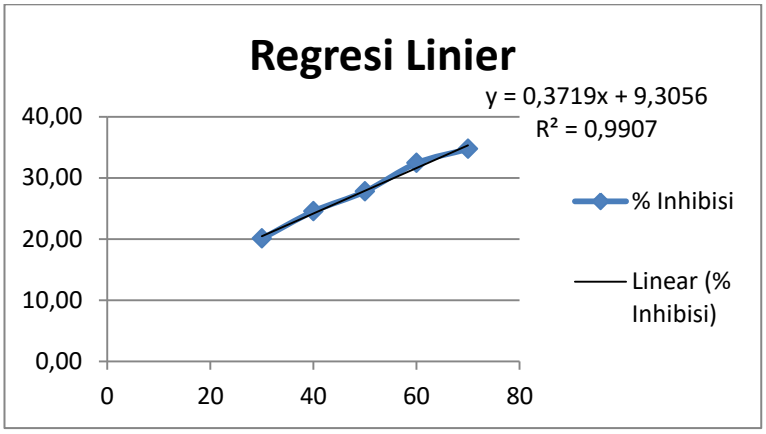

Regresi Linier
y = 0,2145x + 6,7438
R² = 0,9986
25,00
20,00
15,00
10,00
5,00
0,00
0
20
40
60
80
% Inhibisi
Linear (% Inhibisi)

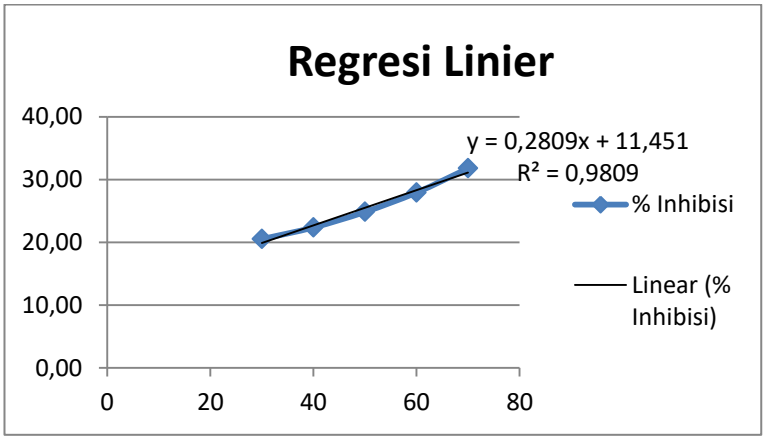
Lampiran 32. Perhitungan Aktivitas Antioksidan Sampel Sesudah Stabilitas

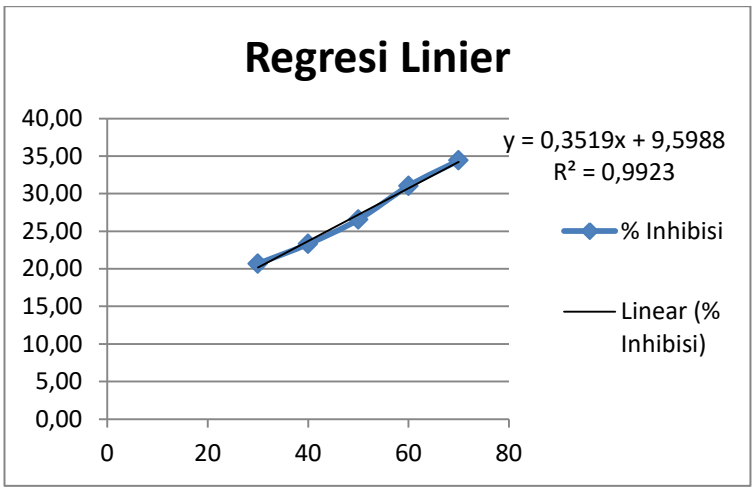
Absorbansi blanko : 0,648

Perlakuan Pengendapan 0 Jam

Konsentrasi ppm	Absorbansi	%Inhibisi	IC_{50} ppm	Regresi Linier	Rata-Rata IC_{50} ± SD
Replikasi 1					
30	0,518	20,06	109,42	a = 9,3056 b = 0,3719 r = 0,9907	120,49 ± 14,75
40	0,489	24,54			
50	0,468	27,78			
60	0,438	32,41			
70	0,423	34,72			
Replikasi 2					
30	0,515	20,52	137,23	a = 11,451 b = 0,2809 r = 0,9809	
40	0,503	22,38			
50	0,487	24,85			
60	0,467	27,93			
70	0,442	31,79			
Replikasi 3					
30	0,514	20,68	114,81	a = 9,5988 b = 0,3519 r = 0,9923	
40	0,497	23,30			
50	0,476	26,54			
60	0,447	31,02			
70	0,425	34,41			

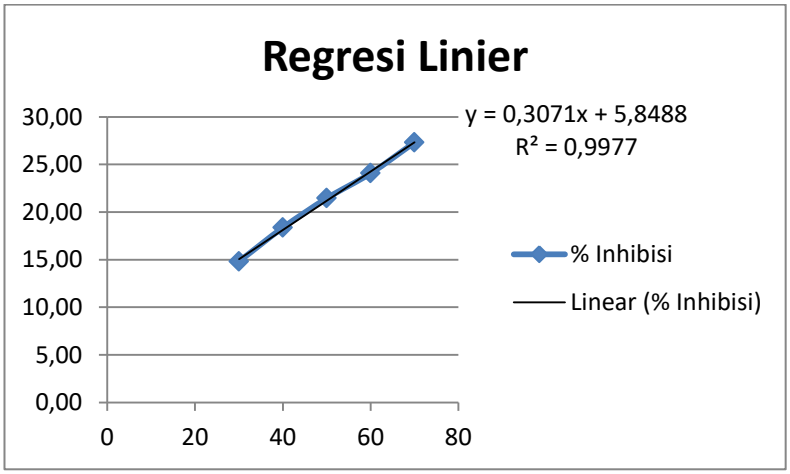


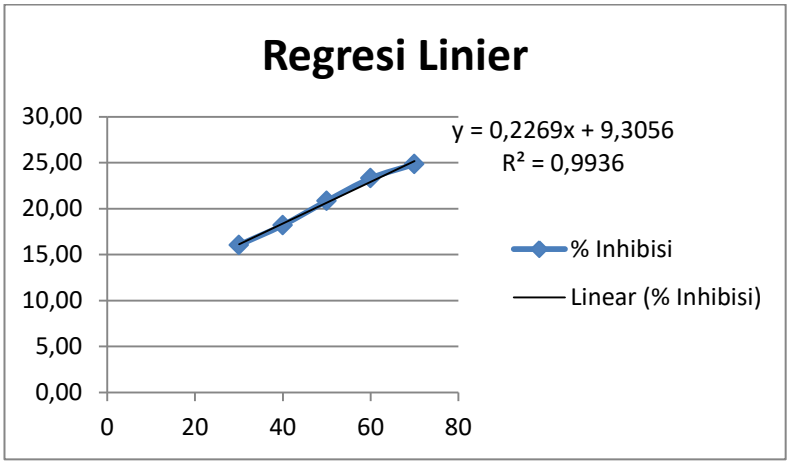

Regresi Linier
40,00
30,00
20,00
10,00
0,00
0
20
40
60
80
y = 0,2809x + 11,451
R² = 0,9809
% Inhibisi
Linear (% Inhibisi)

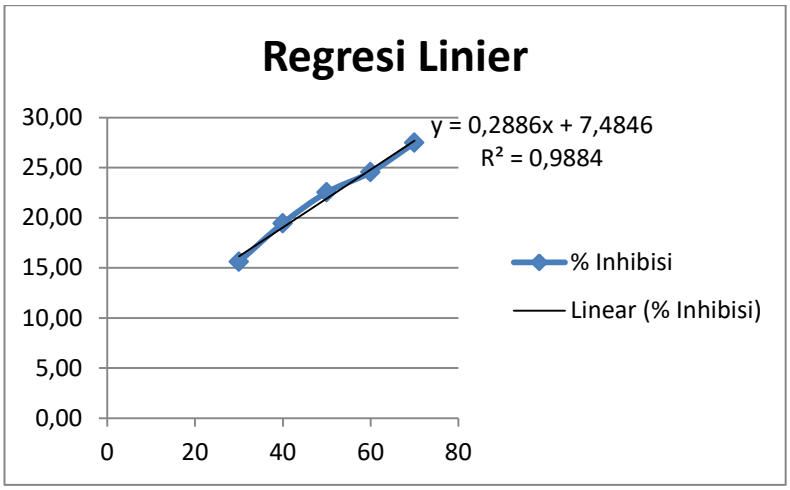

Regresi Linier
40,00
35,00
30,00
25,00
20,00
15,00
10,00
5,00
0,00
0
20
40
60
80
y = 0,3519x + 9,5988
R² = 0,9923
% Inhibisi
Linear (% Inhibisi)

Absorbansi blanko : 0,648
Perlakuan Pengendapan 2 Jam

Konsentrasi ppm	Absorbansi	%Inhibisi	IC_{50} ppm	Regresi Linier	Rata-Rata IC_{50} ± SD
Replikasi 1					
30	0,552	14,81	143,77	a = 5,8488 b = 0,3071 r = 0,9977	156,81 ± 19,60
40	0,529	18,36			
50	0,509	21,45			
60	0,492	24,07			
70	0,471	27,31			
Replikasi 2					
30	0,544	16,05	179,35	a = 9,3056 b = 0,2269 r = 0,9936	
40	0,53	18,21			
50	0,513	20,83			
60	0,497	23,30			
70	0,487	24,85			
Replikasi 3					
30	0,547	15,59	147,32	a = 7,4846 b = 0,2886 r = 0,9884	
40	0,522	19,44			
50	0,502	22,53			
60	0,489	24,54			
70	0,47	27,47			



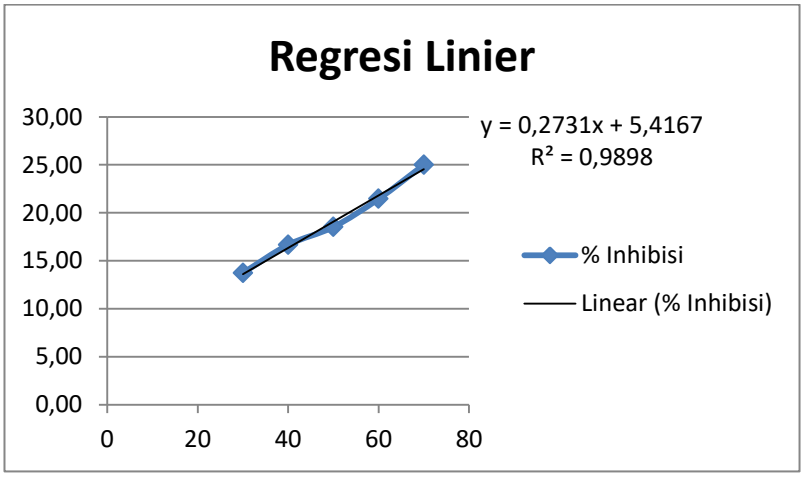

Regresi Linier
30,00
25,00
20,00
15,00
10,00
5,00
0,00
0
20
40
60
80
y = 0,2269x + 9,3056
R² = 0,9936
% Inhibisi
Linear (% Inhibisi)

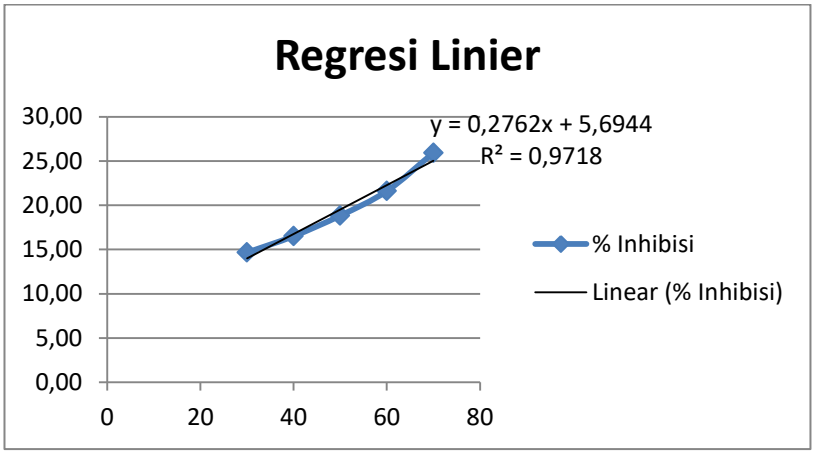

Regresi Linier
30,00
25,00
20,00
15,00
10,00
5,00
0,00
0
20
40
60
80
y = 0,2886x + 7,4846
R² = 0,9884
% Inhibisi
Linear (% Inhibisi)

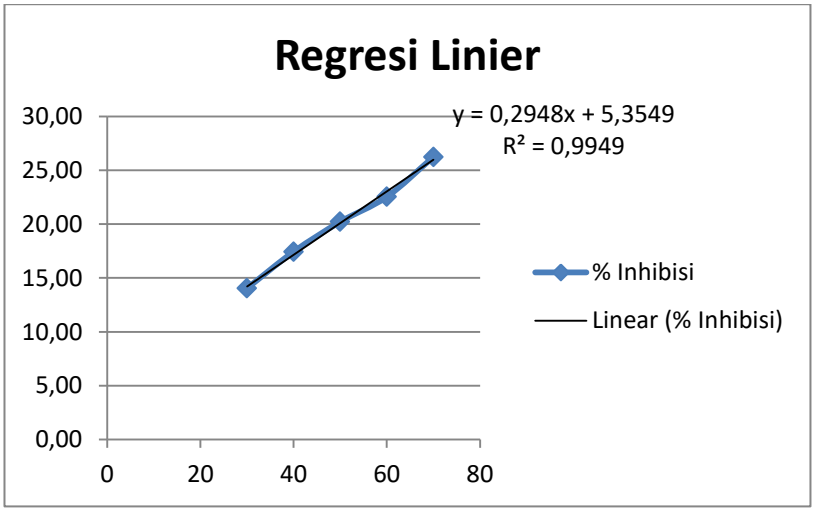
Absorbansi blanko : 0,648

Perlakuan Pengendapan 4 Jam

Konsentrasi ppm	Absorbansi	%Inhibisi	IC_{50} ppm	Regresi Linier	Rata-Rata IC_{50} ± SD
Replikasi 1					161,44 ± 1,57
30	0,559	13,73	163,25	a = 5,4167 b = 0,2731 r = 0,9898	
40	0,54	16,67			
50	0,528	18,52			
60	0,509	21,45			
70	0,486	25,00			
Replikasi 2					
30	0,553	14,66	160,41	a = 5,6944 b = 0,2762 r = 0,9718	
40	0,541	16,51			
50	0,526	18,83			
60	0,508	21,60			
70	0,48	25,93			
Replikasi 3					
30	0,557	14,04	160,65	a = 6,1265 b = 0,2731 r = 0,9949	
40	0,538	16,98			
50	0,515	20,52			
60	0,503	22,38			
70	0,486	25,00			



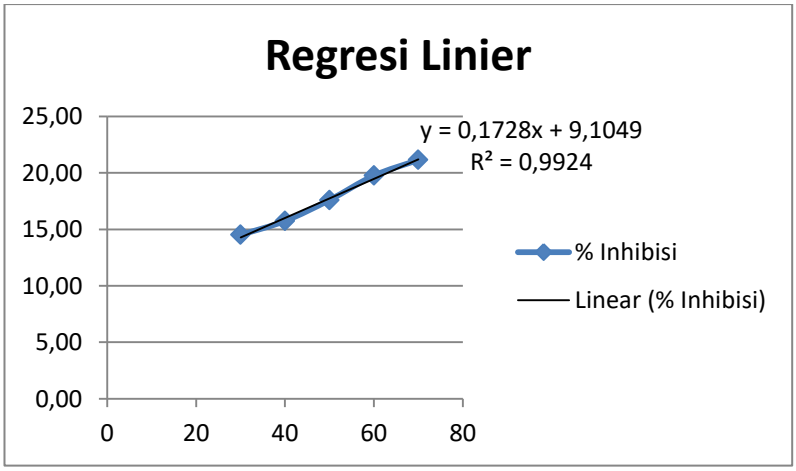

Regresi Linier
y = 0,2762x + 5,6944
R² = 0,9718
30,00
25,00
20,00
15,00
10,00
5,00
0,00
0
20
40
60
80
% Inhibisi
Linear (% Inhibisi)

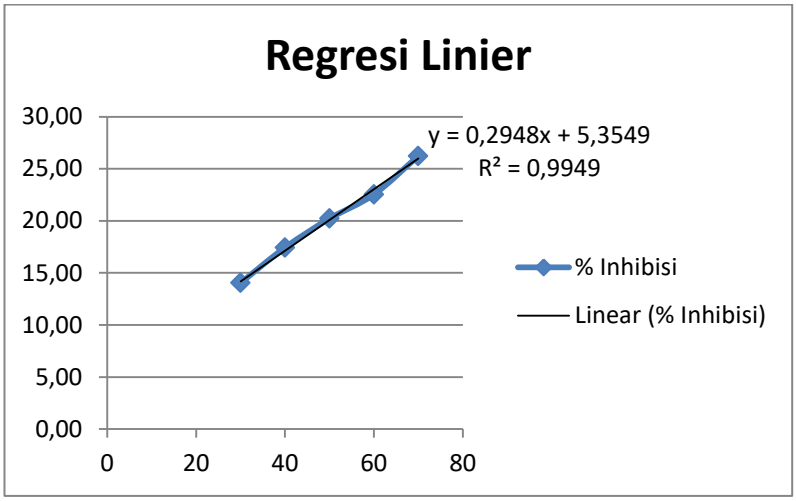

Regresi Linier
y = 0,2948x + 5,3549
R² = 0,9949
30,00
25,00
20,00
15,00
10,00
5,00
0,00
0
20
40
60
80
% Inhibisi
Linear (% Inhibisi)

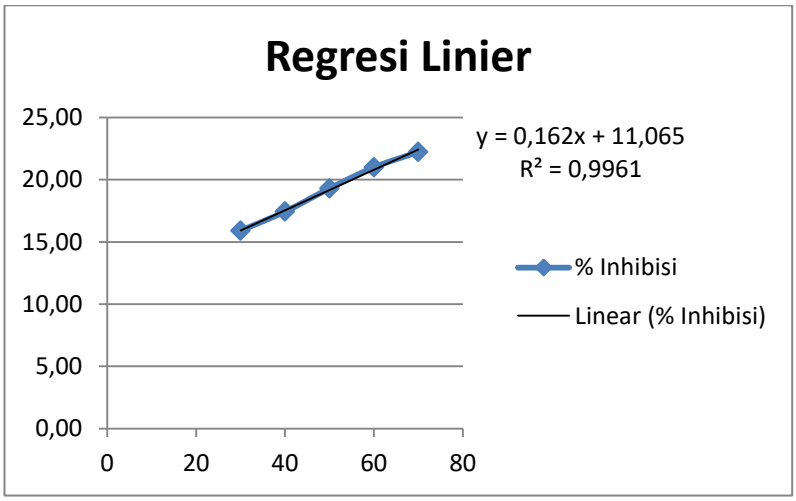
Absorbansi blanko : 0,648

Perlakuan Pengendapan 6 Jam

Konsentrasi ppm	Absorbansi	%Inhibisi	IC_{50} ppm	Regresi Linier	Rata-Rata IC_{50} ± SD
Replikasi 1					239,18 ± 2,18
30	0,554	14,51	163,25	a = 9,1049 b = 0,1728 r = 0,9924	
40	0,546	15,74			
50	0,534	17,59			
60	0,52	19,75			
70	0,511	21,14			
Replikasi 2					
30	0,545	15,90	240,53	a = 11,034 b = 0,162 r = 0,9949	
40	0,535	17,44			
50	0,522	19,44			
60	0,516	20,37			
70	0,502	22,53			
Replikasi 3					
30	0,545	15,90	240,34	a = 11,065 b = 0,162 r = 0,9961	
40	0,535	17,44			
50	0,523	19,29			
60	0,512	20,99			
70	0,504	22,22			







Perhitungan Pengenceran Seri Konsentrasi Sampel Serbuk Instan Jahe Merah.

30 ppm

$V1.N1 = V2.N2$

$100 \text{ ppm} = 5.30 \text{ ppm}$

$V1 = \frac{150}{100}$

$V1 = 1{,}5 \text{ mL}$

50 ppm

$V1.N1 = V2.N2$

$100 \text{ ppm} = 5.50 \text{ ppm}$

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

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

70 ppm

$V1.N1 = V2.N2$

$100 \text{ ppm} = 5.70 \text{ ppm}$

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

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

40 ppm

$V1.N1 = V2.N2$

$100 \text{ ppm} = 5.40 \text{ ppm}$

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

$V1 = 2 \text{ mL}$

60 ppm

$V1.N1 = V2.N2$

$100 \text{ ppm} = 5.60 \text{ ppm}$

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

$V1 = 3 \text{ mL}$

Lampiran 33. Uji Statistika One Way ANOVA Sebelum Stabilitas

A. Uji Kadar Air

Tests of Normality

		Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Perlakuan	Statistic	df	Sig.	Statistic	df	Sig.
Kadar Air	0 Jam	.202	3	.	.994	3	.853
	2 Jam	.194	3	.	.996	3	.886
	4 Jam	.219	3	.	.987	3	.780
	6 Jam	.238	3	.	.976	3	.702

Descriptives

	Perlakuan			Statistic	Std. Error
Kadar Air	0 Jam	Mean		1.1233	.28085
		95% Confidence Interval for Mean	Lower Bound	-.0851	
			Upper Bound	2.3317	
		5% Trimmed Mean		.	
		Median		1.0800	
		Variance		.237	
		Std. Deviation		.48645	
		Minimum		.66	
		Maximum		1.63	
		Range		.97	
		Interquartile Range		.	
		Skewness		.398	1.225
		Kurtosis		.	.
	2 Jam	Mean		.9800	.16773
		95% Confidence Interval for Mean	Lower Bound	.2583	
			Upper Bound	1.7017	
		5% Trimmed Mean		.	
		Median		1.0000	
		Variance		.084	
		Std. Deviation		.29052	
		Minimum		.68	
		Maximum		1.26	
		Range		.58	
		Interquartile Range		.	
		Skewness		-.308	1.225
		Kurtosis		.	.
	4 Jam	Mean		.7867	.20342
		95% Confidence Interval for Mean	Lower Bound	-.0886	
			Upper Bound	1.6619	
		5% Trimmed Mean		.	
		Median		.7400	
		Variance		.124	
		Std. Deviation		.35233	
		Minimum		.46	

		Maximum		1.16	
		Range		.70	
		Interquartile Range		.	
		Skewness		.586	1.225
		Kurtosis		.	.
	6 Jam	Mean		.6000	.19287
		95% Confidence Interval for Mean	Lower Bound	-.2299	
			Upper Bound	1.4299	
		5% Trimmed Mean		.	
		Median		.5400	
		Variance		.112	
		Std. Deviation		.33407	
		Minimum		.30	
		Maximum		.96	
		Range		.66	
		Interquartile Range		.	
		Skewness		.782	1.225
		Kurtosis		.	.

Test of Homogeneity of Variances

Kadar Air

Levene Statistic	df1	df2	Sig.
.277	3	8	.841

ANOVA

Kadar Air

	Sum of Squares	Df	Mean Square	F	Sig.
Between Groups	.468	3	.156	1.121	.396
Within Groups	1.114	8	.139		
Total	1.582	11			

Multiple Comparisons

Dependent Variable: Kadar Air

Tukey HSD

(I) Perlakuan	(J) Perlakuan	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval Lower Bound	95% Confidence Interval Upper Bound
0 Jam	2 Jam	.14333	.30462	.963	-.8322	1.1188
	4 Jam	.33667	.30462	.697	-.6388	1.3122
	6 Jam	.52333	.30462	.375	-.4522	1.4988
2 Jam	0 Jam	-.14333	.30462	.963	-1.1188	.8322
	4 Jam	.19333	.30462	.918	-.7822	1.1688
	6 Jam	.38000	.30462	.617	-.5955	1.3555
4 Jam	0 Jam	-.33667	.30462	.697	-1.3122	.6388
	2 Jam	-.19333	.30462	.918	-1.1688	.7822
	6 Jam	.18667	.30462	.925	-.7888	1.1622
6 Jam	0 Jam	-.52333	.30462	.375	-1.4988	.4522
	2 Jam	-.38000	.30462	.617	-1.3555	.5955
	4 Jam	-.18667	.30462	.925	-1.1622	.7888

Kadar Air

Tukey HSD[a]

Perlakuan	N	Subset for alpha = 0.05 1
6 Jam	3	.6000
4 Jam	3	.7867
2 Jam	3	.9800
0 Jam	3	1.1233
Sig.		.375

Waktu Alir

Tests of Normality

		Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Perlakuan	Statistic	df	Sig.	Statistic	df	Sig.
Uji Waktu Alir	0 Jam	.282	3	.	.936	3	.510
	2 Jam	.253	3	.	.964	3	.637
	4 Jam	.314	3	.	.893	3	.363
	6 Jam	.385	3	.	.750	3	.000

a. Lilliefors Significance Correction

Test Statistics[a,b]

	Uji Waktu Alir
Chi-Square	1.925
df	3
Asymp. Sig.	.588

a. Kruskal Wallis Test

b. Grouping Variable: Perlakuan

Ranks

	Perlakuan	N	Mean Rank
Uji Waktu Alir	0 Jam	3	7.67
	2 Jam	3	7.67
	4 Jam	3	6.50
	6 Jam	3	4.17
	Total	12	

Sudut Diam

Tests of Normality

		Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Perlakuan	Statistic	df	Sig.	Statistic	df	Sig.
Sudut Diam	0 Jam	.344	3	.	.841	3	.217
	2 Jam	.369	3	.	.788	3	.086
	4 Jam	.339	3	.	.851	3	.244
	6 Jam	.371	3	.	.783	3	.075

Descriptives

	Perlakuan			Statistic	Std. Error
Sudut Diam	0 Jam	Mean		24.5467	.28014
		95% Confidence Interval for Mean	Lower Bound	23.3413	
			Upper Bound	25.7520	
		5% Trimmed Mean		.	
		Median		24.7700	
		Variance		.235	
		Std. Deviation		.48521	
		Minimum		23.99	
		Maximum		24.88	
		Range		.89	
		Interquartile Range		.	
		Skewness		-1.632	1.225
		Kurtosis		.	.
	2 Jam	Mean		24.5200	.51052
		95% Confidence Interval for Mean	Lower Bound	22.3234	
			Upper Bound	26.7166	
		5% Trimmed Mean		.	
		Median		24.9900	
		Variance		.782	
		Std. Deviation		.88425	
		Minimum		23.50	
		Maximum		25.07	
		Range		1.57	
		Interquartile Range		.	
		Skewness		-1.716	1.225
		Kurtosis		.	.
	4 Jam	Mean		23.3300	.54443
		95% Confidence Interval for Mean	Lower Bound	20.9875	
			Upper Bound	25.6725	
		5% Trimmed Mean		.	
		Median		23.7500	
		Variance		.889	
		Std. Deviation		.94297	

		Minimum		22.25	
		Maximum		23.99	
		Range		1.74	
		Interquartile Range		.	
		Skewness		-1.607	1.225
		Kurtosis		.	.
	6 Jam	Mean		23.2467	.44367
		95% Confidence Interval for Mean	Lower Bound	21.3377	
			Upper Bound	25.1556	
		5% Trimmed Mean		.	
		Median		23.6600	
		Variance		.591	
		Std. Deviation		.76846	
		Minimum		22.36	
		Maximum		23.72	
		Range		1.36	
		Interquartile Range		.	
		Skewness		-1.720	1.225
		Kurtosis		.	.

Test of Homogeneity of Variances

Sudut Diam

Levene Statistic	df1	df2	Sig.
.988	3	8	.446

ANOVA

Sudut Diam

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	4.662	3	1.554	2.489	.135
Within Groups	4.994	8	.624		
Total	9.656	11			

Multiple Comparisons

Dependent Variable: Sudut Diam

Tukey HSD

(I) Perlakuan	(J) Perlakuan	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval Lower Bound	95% Confidence Interval Upper Bound
0 Jam	2 Jam	.02667	.64512	1.000	-2.0392	2.0926
	4 Jam	1.21667	.64512	.305	-.8492	3.2826
	6 Jam	1.30000	.64512	.259	-.7659	3.3659
2 Jam	0 Jam	-.02667	.64512	1.000	-2.0926	2.0392

	4 Jam	1.19000	.64512	.322	-.8759	3.2559
	6 Jam	1.27333	.64512	.273	-.7926	3.3392
4 Jam	0 Jam	-1.21667	.64512	.305	-3.2826	.8492
	2 Jam	-1.19000	.64512	.322	-3.2559	.8759
	6 Jam	.08333	.64512	.999	-1.9826	2.1492
6 Jam	0 Jam	-1.30000	.64512	.259	-3.3659	.7659
	2 Jam	-1.27333	.64512	.273	-3.3392	.7926
	4 Jam	-.08333	.64512	.999	-2.1492	1.9826

Sudut Diam

Tukey HSD[a]

Perlakuan	N	Subset for alpha = 0.05 1
6 Jam	3	23.2467
4 Jam	3	23.3300
2 Jam	3	24.5200
0 Jam	3	24.5467
Sig.		.259

Waktu Larut

Descriptives

	Perlakuan			Statistic	Std. Error
Waktu Larut	0 Jam	Mean		5.1333	.05812
		95% Confidence Interval for Mean	Lower Bound	4.8833	
			Upper Bound	5.3834	
		5% Trimmed Mean		.	
		Median		5.1200	
		Variance		.010	
		Std. Deviation		.10066	
		Minimum		5.04	
		Maximum		5.24	
		Range		.20	
		Interquartile Range		.	
		Skewness		.586	1.225
		Kurtosis		.	.
	2 Jam	Mean		3.7200	.33045
		95% Confidence Interval for Mean	Lower Bound	2.2982	
			Upper Bound	5.1418	
		5% Trimmed Mean		.	
		Median		4.0200	
		Variance		.328	

		Std. Deviation		.57236	
		Minimum		3.06	
		Maximum		4.08	
		Range		1.02	
		Interquartile Range		.	
		Skewness		-1.711	1.225
		Kurtosis		.	.
	4 Jam	Mean		3.2033	.67390
		95% Confidence Interval for Mean	Lower Bound	.3038	
			Upper Bound	6.1029	
		5% Trimmed Mean		.	
		Median		3.1200	
		Variance		1.362	
		Std. Deviation		1.16723	
		Minimum		2.08	
		Maximum		4.41	
		Range		2.33	
		Interquartile Range		.	
		Skewness		.320	1.225
		Kurtosis		.	.
	6 Jam	Mean		3.0533	.59468
		95% Confidence Interval for Mean	Lower Bound	.4946	
			Upper Bound	5.6120	
		5% Trimmed Mean		.	
		Median		3.0600	
		Variance		1.061	
		Std. Deviation		1.03002	
		Minimum		2.02	
		Maximum		4.08	
		Range		2.06	
		Interquartile Range		.	
		Skewness		-.029	1.225
		Kurtosis		.	.

Tests of Normality

		Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Perlakuan	Statistic	df	Sig.	Statistic	df	Sig.
Waktu Larut	0 Jam	.219	3	.	.987	3	.780
	2 Jam	.367	3	.	.794	3	.100
	4 Jam	.195	3	.	.996	3	.882
	6 Jam	.175	3	.	1.000	3	.989

Test of Homogeneity of Variances

Waktu Larut

Levene Statistic	df1	df2	Sig.
1.619	3	8	.260

ANOVA

Waktu Larut

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	8.087	3	2.696	3.905	.055
Within Groups	5.522	8	.690		
Total	13.609	11			

Multiple Comparisons

Dependent Variable: Waktu Larut

Tukey HSD

(I) Perlakuan	(J) Perlakuan	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval Lower Bound	95% Confidence Interval Upper Bound
0 Jam	2 Jam	1.41333	.67837	.237	-.7590	3.5857
	4 Jam	1.93000	.67837	.083	-.2424	4.1024
	6 Jam	2.08000	.67837	.061	-.0924	4.2524
2 Jam	0 Jam	-1.41333	.67837	.237	-3.5857	.7590
	4 Jam	.51667	.67837	.869	-1.6557	2.6890
	6 Jam	.66667	.67837	.763	-1.5057	2.8390
4 Jam	0 Jam	-1.93000	.67837	.083	-4.1024	.2424
	2 Jam	-.51667	.67837	.869	-2.6890	1.6557
	6 Jam	.15000	.67837	.996	-2.0224	2.3224
6 Jam	0 Jam	-2.08000	.67837	.061	-4.2524	.0924
	2 Jam	-.66667	.67837	.763	-2.8390	1.5057
	4 Jam	-.15000	.67837	.996	-2.3224	2.0224

Waktu Larut

Tukey HSD[a]

Perlakuan	N	Subset for alpha = 0.05 1
6 Jam	3	3.0533
4 Jam	3	3.2033
2 Jam	3	3.7200
0 Jam	3	5.1333
Sig.		.061

Ukuran Partikel

Tests of Normality

		Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Perlakuan Pengendapan	Statistic	df	Sig.	Statistic	df	Sig.
Ukuran Partikel 250 µm	0 Jam	.257	3	.	.961	3	.619
	2 Jam	.341	3	.	.848	3	.234
	4 Jam	.331	3	.	.865	3	.280
	6 Jam	.232	3	.	.980	3	.727
Ukuran Partikel 425 µm	0 Jam	.358	3	.	.813	3	.146
	2 Jam	.224	3	.	.984	3	.761
	4 Jam	.363	3	.	.802	3	.120

	6 Jam	.334	3	.	.861	3	.269
Ukuran Partikel 850 µm	0 Jam	.348	3	.	.832	3	.194
	2 Jam	.358	3	.	.812	3	.144
	4 Jam	.206	3	.	.993	3	.836
	6 Jam	.258	3	.	.960	3	.618
Ukuran Partikel 1.18 mm	0 Jam	.347	3	.	.835	3	.201
	2 Jam	.383	3	.	.755	3	.010
	4 Jam	.175	3	.	1.000	3	.998
	6 Jam	.327	3	.	.871	3	.300
Ukuran Partikel 2.36 mm	0 Jam	.258	3	.	.960	3	.616
	2 Jam	.385	3	.	.750	3	.000
	4 Jam	.385	3	.	.750	3	.000
	6 Jam	.385	3	.	.750	3	.000

a. Lilliefors Significance Correction

Test Statistics[a,b]

	Ukuran Partikel 250 µm	Ukuran Partikel 425 µm	Ukuran Partikel 850 µm	Ukuran Partikel 1.18 mm	Ukuran Partikel 2.36 mm
Chi-Square	1.974	3.000	.436	1.564	2.951
df	3	3	3	3	3
Asymp. Sig.	.578	.392	.933	.668	.399

a. Kruskal Wallis Test
b. Grouping Variable: Perlakuan Pengendapan

Ranks

	Perlakuan Pengendapan	N	Mean Rank
Ukuran Partikel 250 µm	0 Jam	3	5.00
	2 Jam	3	8.67
	4 Jam	3	5.33
	6 Jam	3	7.00
	Total	12	
Ukuran Partikel 425 µm	0 Jam	3	6.00
	2 Jam	3	9.33
	4 Jam	3	4.33
	6 Jam	3	6.33
	Total	12	
Ukuran Partikel 850 µm	0 Jam	3	7.00
	2 Jam	3	5.67
	4 Jam	3	7.33
	6 Jam	3	6.00
	Total	12	
Ukuran Partikel 1.18 mm	0 Jam	3	5.67
	2 Jam	3	5.33
	4 Jam	3	8.67
	6 Jam	3	6.33
	Total	12	
Ukuran Partikel 2.36 mm	0 Jam	3	9.33
	2 Jam	3	5.00
	4 Jam	3	6.00
	6 Jam	3	5.67
	Total	12	

Antioksidan

Case Processing Summary

		Cases					
		Valid		Missing		Total	
	Pengendapan	N	Percent	N	Percent	N	Percent
Antioksidan	Pengendapan 0 Jam	3	100.0%	0	0.0%	3	100.0%
	Pengendapan 2 Jam	3	100.0%	0	0.0%	3	100.0%
	Pengendapan 4 Jam	3	100.0%	0	0.0%	3	100.0%
	Pengendapan 6 Jam	3	100.0%	0	0.0%	3	100.0%

Descriptives

	Pengendapan			Statistic	Std. Error
Antioksidan	Pengendapan 0 Jam	Mean		124.2333	17.50310
		95% Confidence Interval for Mean	Lower Bound	48.9236	
			Upper Bound	199.5431	
		5% Trimmed Mean		.	
		Median		138.8300	
		Variance		919.075	
		Std. Deviation		30.31625	
		Minimum		89.38	
		Maximum		144.49	
		Range		55.11	
		Interquartile Range		.	
		Skewness		-1.664	1.225
		Kurtosis		.	.
	Pengendapan 2 Jam	Mean		154.5400	16.31509
		95% Confidence Interval for Mean	Lower Bound	84.3418	
			Upper Bound	224.7382	
		5% Trimmed Mean		.	
		Median		143.9200	
		Variance		798.547	
		Std. Deviation		28.25857	
		Minimum		133.13	
		Maximum		186.57	
		Range		53.44	
		Interquartile Range		.	
		Skewness		1.452	1.225
		Kurtosis		.	.
	Pengendapan 4 Jam	Mean		157.8733	3.35574
		95% Confidence Interval for Mean	Lower Bound	143.4347	
			Upper Bound	172.3119	

		5% Trimmed Mean		.	
		Median		158.2100	
		Variance		33.783	
		Std. Deviation		5.81232	
		Minimum		151.90	
		Maximum		163.51	
		Range		11.61	
		Interquartile Range		.	
		Skewness		-.260	1.225
		Kurtosis		.	.
	Pengendapan 6 Jam	Mean		217.0700	22.78237
		95% Confidence Interval for Mean	Lower Bound	119.0454	
			Upper Bound	315.0946	
		5% Trimmed Mean		.	
		Median		201.6600	
		Variance		1557.109	
		Std. Deviation		39.46022	
		Minimum		187.64	
		Maximum		261.91	
		Range		74.27	
		Interquartile Range		.	
		Skewness		1.489	1.225
		Kurtosis		.	.

Tests of Normality

		Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Pengendapan	Statistic	df	Sig.	Statistic	df	Sig.
Antioksidan	Pengendapan 0 Jam	.352	3	.	.826	3	.179
	Pengendapan 2 Jam	.313	3	.	.894	3	.367
	Pengendapan 4 Jam	.190	3	.	.997	3	.904
	Pengendapan 6 Jam	.319	3	.	.886	3	.341

Descriptives

Antioksidan

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean Lower Bound	Upper Bound	Minimum	Maximum
Pengendapan 0 Jam	3	124.2333	30.31625	17.50310	48.9236	199.5431	89.38	144.49
Pengendapan 2 Jam	3	154.5400	28.25857	16.31509	84.3418	224.7382	133.13	186.57
Pengendapan 4 Jam	3	157.8733	5.81232	3.35574	143.4347	172.3119	151.90	163.51
Pengendapan 6 Jam	3	217.0700	39.46022	22.78237	119.0454	315.0946	187.64	261.91
Total	12	163.4292	42.83970	12.36676	136.2101	190.6482	89.38	261.91

Test of Homogeneity of Variances

Antioksidan

Levene Statistic	df1	df2	Sig.
3.251	3	8	.081

ANOVA

Antioksidan

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	13570.611	3	4523.537	5.469	.024
Within Groups	6617.028	8	827.129		
Total	20187.639	11			

Multiple Comparisons

Dependent Variable: Antioksidan

Tukey HSD

(I) Pengendapan	(J) Pengendapan	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval Lower Bound	95% Confidence Interval Upper Bound
Pengendapan 0 Jam	Pengendapan 2 Jam	-30.30667	23.48231	.593	-105.5053	44.8920
	Pengendapan 4 Jam	-33.64000	23.48231	.515	-108.8386	41.5586
	Pengendapan 6 Jam	-92.83667*	23.48231	.018	-168.0353	-17.6380
Pengendapan 2 Jam	Pengendapan 0 Jam	30.30667	23.48231	.593	-44.8920	105.5053
	Pengendapan 4 Jam	-3.33333	23.48231	.999	-78.5320	71.8653
	Pengendapan 6 Jam	-62.53000	23.48231	.107	-137.7286	12.6686
Pengendapan 4 Jam	Pengendapan 0 Jam	33.64000	23.48231	.515	-41.5586	108.8386
	Pengendapan 2 Jam	3.33333	23.48231	.999	-71.8653	78.5320
	Pengendapan 6 Jam	-59.19667	23.48231	.131	-134.3953	16.0020
Pengendapan 6 Jam	Pengendapan 0 Jam	92.83667*	23.48231	.018	17.6380	168.0353
	Pengendapan 2 Jam	62.53000	23.48231	.107	-12.6686	137.7286
	Pengendapan 4 Jam	59.19667	23.48231	.131	-16.0020	134.3953

Antioksidan

Tukey HSD[a]

Pengendapan	N	Subset for alpha = 0.05 1	2
Pengendapan 0 Jam	3	124.2333	
Pengendapan 2 Jam	3	154.5400	154.5400
Pengendapan 4 Jam	3	157.8733	157.8733
Pengendapan 6 Jam	3		217.0700
Sig.		.515	.107

Means for groups in homogeneous subsets are displayed.

a. Uses Harmonic Mean Sample Size = 3.000.

Lampiran 34. Uji Statistika One Way ANOVA Sesudah Stabilitas

A. Kadar Air

Tests of Normality

		Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Perlakuan	Statistic	df	Sig.	Statistic	df	Sig.
Kadar Air	0 Jam	.236	3	.	.977	3	.712
	2 Jam	.341	3	.	.847	3	.232
	4 Jam	.177	3	.	1.000	3	.974
	6 Jam	.175	3	.	1.000	3	1.000

Descriptives

	Perlakuan			Statistic	Std. Error
Kadar Air	0 Jam	Mean		1.1467	.22191
		95% Confidence Interval for Mean	Lower Bound	.1919	
			Upper Bound	2.1015	
		5% Trimmed Mean		.	
		Median		1.0800	
		Variance		.148	
		Std. Deviation		.38436	
		Minimum		.80	
		Maximum		1.56	
		Range		.76	
		Interquartile Range		.	
		Skewness		.757	1.225
		Kurtosis		.	.
	2 Jam	Mean		1.0333	.23842
		95% Confidence Interval for Mean	Lower Bound	.0075	
			Upper Bound	2.0592	
		5% Trimmed Mean		.	
		Median		1.2200	
		Variance		.171	
		Std. Deviation		.41296	
		Minimum		.56	
		Maximum		1.32	
		Range		.76	
		Interquartile Range		.	
		Skewness		-1.618	1.225
		Kurtosis		.	.
	4 Jam	Mean		.9533	.24828
		95% Confidence Interval for Mean	Lower Bound	-.1149	
			Upper Bound	2.0216	
		5% Trimmed Mean		.	
		Median		.9600	

		Variance		.185	
		Std. Deviation		.43004	
		Minimum		.52	
		Maximum		1.38	
		Range		.86	
		Interquartile Range		.	
		Skewness		-.070	1.225
		Kurtosis		.	.
	6 Jam	Mean		.8000	.08083
		95% Confidence Interval for Mean	Lower Bound	.4522	
			Upper Bound	1.1478	
		5% Trimmed Mean		.	
		Median		.8000	
		Variance		.020	
		Std. Deviation		.14000	
		Minimum		.66	
		Maximum		.94	
		Range		.28	
		Interquartile Range		.	
		Skewness		.000	1.225
		Kurtosis		.	.

Test of Homogeneity of Variances

Kadar Air

Levene Statistic	df1	df2	Sig.
1.017	3	8	.435

ANOVA

Kadar Air

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	.191	3	.064	.487	.701
Within Groups	1.046	8	.131		
Total	1.237	11			

Multiple Comparisons

Dependent Variable: Kadar Air

Tukey HSD

(I) Perlakuan	(J) Perlakuan	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval Lower Bound	95% Confidence Interval Upper Bound
0 Jam	2 Jam	.11333	.29518	.979	-.8319	1.0586
	4 Jam	.19333	.29518	.911	-.7519	1.1386
	6 Jam	.34667	.29518	.658	-.5986	1.2919
2 Jam	0 Jam	-.11333	.29518	.979	-1.0586	.8319
	4 Jam	.08000	.29518	.992	-.8653	1.0253
	6 Jam	.23333	.29518	.857	-.7119	1.1786
4 Jam	0 Jam	-.19333	.29518	.911	-1.1386	.7519
	2 Jam	-.08000	.29518	.992	-1.0253	.8653
	6 Jam	.15333	.29518	.952	-.7919	1.0986

6 Jam	0 Jam	-.34667	.29518	.658	-1.2919	.5986
	2 Jam	-.23333	.29518	.857	-1.1786	.7119
	4 Jam	-.15333	.29518	.952	-1.0986	.7919

Kadar Air

Tukey HSD[a]

Perlakuan	N	Subset for alpha = 0.05 1
6 Jam	3	.8000
4 Jam	3	.9533
2 Jam	3	1.0333
0 Jam	3	1.1467
Sig.		.658

B. Waktu Alir

Tests of Normality

		Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Perlakuan	Statistic	df	Sig.	Statistic	df	Sig.
Waktu Alir	0 Jam	.340	3	.	.848	3	.235
	2 Jam	.314	3	.	.893	3	.363
	4 Jam	.292	3	.	.923	3	.463
	6 Jam	.385	3	.	.750	3	.000

a. Lilliefors Significance Correction

Test tatistics[a,b]

	Waktu Alir
Chi-Square	3.013
Df	3
Asymp. Sig.	.390

a. Kruskal Wallis Test
b. Grouping Variable: Perlakuan

Ranks

	Perlakuan	N	Mean Rank
Waktu Alir	0 Jam	3	9.00
	2 Jam	3	6.67
	4 Jam	3	6.33
	6 Jam	3	4.00
	Total	12	

C. Sudut Diam

Tests of Normality

		Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Perlakuan	Statistic	df	Sig.	Statistic	df	Sig.
Sudut Diam	0 Jam	.176	3	.	1.000	3	.980
	2 Jam	.189	3	.	.998	3	.909
	4 Jam	.348	3	.	.833	3	.196
	6 Jam	.349	3	.	.831	3	.192

Descriptives

	Perlakuan			Statistic	Std. Error
Sudut Diam	0 Jam	Mean		26.4600	.48211
		95% Confidence Interval for Mean	Lower Bound	24.3856	
			Upper Bound	28.5344	
		5% Trimmed Mean		.	
		Median		26.4500	
		Variance		.697	
		Std. Deviation		.83504	
		Minimum		25.63	
		Maximum		27.30	
		Range		1.67	
		Interquartile Range		.	
		Skewness		.054	1.225
		Kurtosis		.	.
	2 Jam	Mean		26.1200	.31501
		95% Confidence Interval for Mean	Lower Bound	24.7646	
			Upper Bound	27.4754	
		5% Trimmed Mean		.	
		Median		26.0900	
		Variance		.298	
		Std. Deviation		.54562	
		Minimum		25.59	
		Maximum		26.68	
		Range		1.09	
		Interquartile Range		.	
		Skewness		.247	1.225
		Kurtosis		.	.
	4 Jam	Mean		25.4433	.33844
		95% Confidence Interval for Mean	Lower Bound	23.9871	
			Upper Bound	26.8995	
		5% Trimmed Mean		.	
		Median		25.7200	
		Variance		.344	
		Std. Deviation		.58620	
		Minimum		24.77	
		Maximum		25.84	
		Range		1.07	
		Interquartile Range		.	
		Skewness		-1.651	1.225
		Kurtosis		.	.
	6 Jam	Mean		25.1700	.71863
		95% Confidence Interval for Mean	Lower Bound	22.0780	
			Upper Bound	28.2620	
		5% Trimmed Mean		.	

	Median	25.7600	
	Variance	1.549	
	Std. Deviation	1.24471	
	Minimum	23.74	
	Maximum	26.01	
	Range	2.27	
	Interquartile Range	.	
	Skewness	-1.654	1.225
	Kurtosis	.	.

Test of Homogeneity of Variances

Sudut Diam

Levene Statistic	df1	df2	Sig.
1.471	3	8	.294

ANOVA

Sudut Diam

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	3.186	3	1.062	1.471	.294
Within Groups	5.776	8	.722		
Total	8.962	11			

Multiple Comparisons

Dependent Variable: Sudut Diam

Tukey HSD

(I) Perlakuan	(J) Perlakuan	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval Lower Bound	95% Confidence Interval Upper Bound
0 Jam	2 Jam	.34000	.69377	.959	-1.8817	2.5617
	4 Jam	1.01667	.69377	.498	-1.2050	3.2384
	6 Jam	1.29000	.69377	.316	-.9317	3.5117
2 Jam	0 Jam	-.34000	.69377	.959	-2.5617	1.8817
	4 Jam	.67667	.69377	.767	-1.5450	2.8984
	6 Jam	.95000	.69377	.550	-1.2717	3.1717
4 Jam	0 Jam	-1.01667	.69377	.498	-3.2384	1.2050
	2 Jam	-.67667	.69377	.767	-2.8984	1.5450
	6 Jam	.27333	.69377	.978	-1.9484	2.4950
6 Jam	0 Jam	-1.29000	.69377	.316	-3.5117	.9317
	2 Jam	-.95000	.69377	.550	-3.1717	1.2717
	4 Jam	-.27333	.69377	.978	-2.4950	1.9484

Sudut Diam

Tukey HSD[a]

Perlakuan	N	Subset for alpha = 0.05 1
6 Jam	3	25.1700
4 Jam	3	25.4433
2 Jam	3	26.1200
0 Jam	3	26.4600
Sig.		.316

D. Waktu Larut

Tests of Normality

		Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Perlakuan	Statistic	df	Sig.	Statistic	df	Sig.
Waktu Larut	0 Jam	.267	3	.	.952	3	.576
	2 Jam	.285	3	.	.931	3	.494
	4 Jam	.254	3	.	.963	3	.633
	6 Jam	.298	3	.	.916	3	.437

Descriptives

	Perlakuan			Statistic	Std. Error
Waktu Larut	0 Jam	Mean		3.4867	.85526
		95% Confidence Interval for Mean	Lower Bound	-.1932	
			Upper Bound	7.1666	
		5% Trimmed Mean		.	
		Median		3.1100	
		Variance		2.194	
		Std. Deviation		1.48136	
		Minimum		2.23	
		Maximum		5.12	
		Range		2.89	
		Interquartile Range		.	
		Skewness		1.070	1.225
		Kurtosis		.	.
	2 Jam	Mean		2.6000	.74478
		95% Confidence Interval for Mean	Lower Bound	-.6045	
			Upper Bound	5.8045	
		5% Trimmed Mean		.	
		Median		2.2100	
		Variance		1.664	
		Std. Deviation		1.29000	
		Minimum		1.55	
		Maximum		4.04	
		Range		2.49	
		Interquartile Range		.	
		Skewness		1.236	1.225
		Kurtosis		.	.
	4 Jam	Mean		2.2700	.49702
		95% Confidence Interval for Mean	Lower Bound	.1315	
			Upper Bound	4.4085	
		5% Trimmed Mean		.	
		Median		2.0800	
		Variance		.741	
		Std. Deviation		.86087	
		Minimum		1.52	
		Maximum		3.21	

		Range		1.69	
		Interquartile Range		.	
		Skewness		.945	1.225
		Kurtosis		.	.
	6 Jam	Mean		1.8333	.35597
		95% Confidence Interval for Mean	Lower Bound	.3017	
			Upper Bound	3.3649	
		5% Trimmed Mean		.	
		Median		2.0400	
		Variance		.380	
		Std. Deviation		.61655	
		Minimum		1.14	
		Maximum		2.32	
		Range		1.18	
		Interquartile Range		.	
		Skewness		-1.339	1.225
		Kurtosis		.	.

Test of Homogeneity of Variances

Waktu Larut

Levene Statistic	df1	df2	Sig.
1.110	3	8	.400

ANOVA

Waktu Larut

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	4.415	3	1.472	1.182	.376
Within Groups	9.960	8	1.245		
Total	14.375	11			

Multiple Comparisons

Dependent Variable: Waktu Larut

Tukey HSD

(I) Perlakuan	(J) Perlakuan	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval Lower Bound	Upper Bound
0 Jam	2 Jam	.88667	.91102	.768	-2.0307	3.8041
	4 Jam	1.21667	.91102	.568	-1.7007	4.1341
	6 Jam	1.65333	.91102	.334	-1.2641	4.5707
2 Jam	0 Jam	-.88667	.91102	.768	-3.8041	2.0307
	4 Jam	.33000	.91102	.983	-2.5874	3.2474
	6 Jam	.76667	.91102	.834	-2.1507	3.6841
4 Jam	0 Jam	-1.21667	.91102	.568	-4.1341	1.7007
	2 Jam	-.33000	.91102	.983	-3.2474	2.5874
	6 Jam	.43667	.91102	.962	-2.4807	3.3541
6 Jam	0 Jam	-1.65333	.91102	.334	-4.5707	1.2641
	2 Jam	-.76667	.91102	.834	-3.6841	2.1507
	4 Jam	-.43667	.91102	.962	-3.3541	2.4807

Waktu Larut

Tukey HSD[a]

Perlakuan	N	Subset for alpha = 0.05 1
6 Jam	3	1.8333
4 Jam	3	2.2700
2 Jam	3	2.6000
0 Jam	3	3.4867
Sig.		.334

E. Ukuran Partikel

Tests of Normality[b,c]

		Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Pengaruh Pengendapan	Statistic	df	Sig.	Statistic	df	Sig.
Ukuran Partikel 250 µm	0 Jam	.267	3	.	.951	3	.574
	2 Jam	.308	3	.	.902	3	.391
	4 Jam	.264	3	.	.955	3	.591
	6 Jam	.213	3	.	.990	3	.809
Ukuran Partikel 425 µm	0 Jam	.317	3	.	.888	3	.349
	2 Jam	.207	3	.	.992	3	.831
	4 Jam	.177	3	.	1.000	3	.963
	6 Jam	.194	3	.	.997	3	.888
Ukuran Partikel 850 µm	0 Jam	.299	3	.	.915	3	.434
	2 Jam	.383	3	.	.753	3	.007
	4 Jam	.177	3	.	1.000	3	.962
	6 Jam	.280	3	.	.938	3	.520
Ukuran Partikel 1.18 mm	0 Jam	.298	3	.	.916	3	.438
	2 Jam	.282	3	.	.935	3	.509
	4 Jam	.312	3	.	.896	3	.372
	6 Jam	.201	3	.	.994	3	.857
Ukuran Partikel 2.36 mm	0 Jam	.385	3	.	.750	3	.000
	2 Jam	.385	3	.	.750	3	.000

a. Lilliefors Significance Correction
b. Ukuran Partikel 2.36 mm is constant when Pengaruh Pengendapan = 4 Jam. It has been omitted.
c. Ukuran Partikel 2.36 mm is constant when Pengaruh Pengendapan = 6 Jam. It has been omitted.

Ranks

	Pengaruh Pengendapan	N	Mean Rank
Ukuran Partikel 250 µm	0 Jam	3	4.00
	2 Jam	3	5.67
	4 Jam	3	8.33
	6 Jam	3	8.00
	Total	12	
Ukuran Partikel 425 µm	0 Jam	3	3.67
	2 Jam	3	5.67
	4 Jam	3	7.33
	6 Jam	3	9.33

	Total	12	
Ukuran Partikel 850 µm	0 Jam	3	7.67
	2 Jam	3	7.00
	4 Jam	3	5.67
	6 Jam	3	5.67
	Total	12	
Ukuran Partikel 1.18 mm	0 Jam	3	9.67
	2 Jam	3	8.00
	4 Jam	3	3.67
	6 Jam	3	4.67
	Total	12	
Ukuran Partikel 2.36 mm	0 Jam	3	7.33
	2 Jam	3	7.67
	4 Jam	3	5.50
	6 Jam	3	5.50
	Total	12	

Test Statistics[a,b]

	Ukuran Partikel 250 µm	Ukuran Partikel 425 µm	Ukuran Partikel 850 µm	Ukuran Partikel 1.18 mm	Ukuran Partikel 2.36 mm
Chi-Square	2.897	4.026	.692	5.462	2.212
df	3	3	3	3	3
Asymp. Sig.	.408	.259	.875	.141	.530

a. Kruskal Wallis Test
b. Grouping Variable: Pengaruh Pengendapan

F. Antioksidan

Case Processing Summary

		Cases					
		Valid		Missing		Total	
	Pengendapan	N	Percent	N	Percent	N	Percent
Antioksidan	Pengendapan 0 Jam	3	100.0%	0	0.0%	3	100.0%
	Pengendapan 2 Jam	3	100.0%	0	0.0%	3	100.0%
	Pengendapan 4 Jam	3	100.0%	0	0.0%	3	100.0%
	Pengendapan 6 Jam	3	100.0%	0	0.0%	3	100.0%

Descriptives

	Pengendapan			Statistic	Std. Error
Antioksidan	Pengendapan 0 Jam	Mean		130.4867	10.75821
		95% Confidence Interval for Mean	Lower Bound	84.1978	
			Upper Bound	176.7755	
		5% Trimmed Mean		.	
		Median		137.2300	
		Variance		347.217	
		Std. Deviation		18.63377	

		Minimum		109.42	
		Maximum		144.81	
		Range		35.39	
		Interquartile Range		.	
		Skewness		-1.415	1.225
		Kurtosis		.	.
	Pengendapan 2 Jam	Mean		156.8133	11.31484
		95% Confidence Interval for Mean	Lower Bound	108.1295	
			Upper Bound	205.4971	
		5% Trimmed Mean		.	
		Median		147.3200	
		Variance		384.077	
		Std. Deviation		19.59787	
		Minimum		143.77	
		Maximum		179.35	
		Range		35.58	
		Interquartile Range		.	
		Skewness		1.668	1.225
		Kurtosis		.	.
	Pengendapan 4 Jam	Mean		158.3667	3.55905
		95% Confidence Interval for Mean	Lower Bound	143.0533	
			Upper Bound	173.6800	
		5% Trimmed Mean		.	
		Median		160.4100	
		Variance		38.000	
		Std. Deviation		6.16445	
		Minimum		151.44	
		Maximum		163.25	
		Range		11.81	
		Interquartile Range		.	
		Skewness		-1.328	1.225
		Kurtosis		.	.
	Pengendapan 6 Jam	Mean		239.1767	1.25953
		95% Confidence Interval for Mean	Lower Bound	233.7574	
			Upper Bound	244.5960	
		5% Trimmed Mean		.	
		Median		240.3400	
		Variance		4.759	
		Std. Deviation		2.18157	
		Minimum		236.66	
		Maximum		240.53	
		Range		3.87	

	Interquartile Range	.	
	Skewness	-1.717	1.225
	Kurtosis	.	.

Tests of Normality

		Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Pengendapan	Statistic	df	Sig.	Statistic	df	Sig.
Antioksidan	Pengendapan 0 Jam	.308	3	.	.902	3	.391
	Pengendapan 2 Jam	.353	3	.	.824	3	.173
	Pengendapan 4 Jam	.297	3	.	.918	3	.444
	Pengendapan 6 Jam	.370	3	.	.787	3	.083

Descriptives

Antioksidan

	N	Mean	Std. Deviation	Std. Error	95% Confidence Interval for Mean Lower Bound	Upper Bound	Minimum	Maximum
Pengendapan 0 Jam	3	130.4867	18.63377	10.75821	84.1978	176.7755	109.42	144.81
Pengendapan 2 Jam	3	156.8133	19.59787	11.31484	108.1295	205.4971	143.77	179.35
Pengendapan 4 Jam	3	158.3667	6.16445	3.55905	143.0533	173.6800	151.44	163.25
Pengendapan 6 Jam	3	239.1767	2.18157	1.25953	233.7574	244.5960	236.66	240.53
Total	12	171.2108	44.20852	12.76190	143.1221	199.2996	109.42	240.53

Test of Homogeneity of Variances

Antioksidan

Levene Statistic	df1	df2	Sig.
5.203	3	8	.028

ANOVA

Antioksidan

	Sum of Squares	df	Mean Square	F	Sig.
Between Groups	19950.219	3	6650.073	34.365	.000
Within Groups	1548.107	8	193.513		
Total	21498.326	11			

Multiple Comparisons

Dependent Variable: Antioksidan

Tukey HSD

(I) Pengendapan	(J) Pengendapan	Mean Difference (I-J)	Std. Error	Sig.	95% Confidence Interval Lower Bound	Upper Bound
Pengendapan 0 Jam	Pengendapan 2 Jam	-26.32667	11.35821	.173	-62.6997	10.0463
	Pengendapan 4 Jam	-27.88000	11.35821	.143	-64.2530	8.4930
	Pengendapan 6 Jam	-108.69000*	11.35821	.000	-145.0630	-72.3170

Pengendapan 2 Jam	Pengendapan 0 Jam	26.32667	11.35821	.173	-10.0463	62.6997
	Pengendapan 4 Jam	-1.55333	11.35821	.999	-37.9263	34.8197
	Pengendapan 6 Jam	-82.36333*	11.35821	.000	-118.7363	-45.9903
Pengendapan 4 Jam	Pengendapan 0 Jam	27.88000	11.35821	.143	-8.4930	64.2530
	Pengendapan 2 Jam	1.55333	11.35821	.999	-34.8197	37.9263
	Pengendapan 6 Jam	-80.81000*	11.35821	.000	-117.1830	-44.4370
Pengendapan 6 Jam	Pengendapan 0 Jam	108.69000*	11.35821	.000	72.3170	145.0630
	Pengendapan 2 Jam	82.36333*	11.35821	.000	45.9903	118.7363
	Pengendapan 4 Jam	80.81000*	11.35821	.000	44.4370	117.1830

*. The mean difference is significant at the 0.05 level.

Antioksidan

Tukey HSD[a]

Pengendapan	N	Subset for alpha = 0.05	
		1	2
Pengendapan 0 Jam	3	130.4867	
Pengendapan 2 Jam	3	156.8133	
Pengendapan 4 Jam	3	158.3667	
Pengendapan 6 Jam	3		239.1767
Sig.		.143	1.000

Means for groups in homogeneous subsets are displayed.
a. Uses Harmonic Mean Sample Size = 3.000.

Lampiran 35. ***Paired Samples T-Test***

Kadar air 0 jam

Tests of Normality

		Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Uji Kadar Air	Statistic	Df	Sig.	Statistic	df	Sig.
Kadar Air	Sebelum Stabilitas	.202	3	.	.994	3	.853
	Sesudah Stabilitas	.236	3	.	.977	3	.712

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	Hasil Sebelum Stabilitas	1.1233	3	.48645	.28085
	Hasil Sesudah Stabilitas	1.1467	3	.38436	.22191

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	Hasil Sebelum Stabilitas	1.1233	3	.48645	.28085
	Hasil Sesudah Stabilitas	1.1467	3	.38436	.22191

Paired Samples Test

		Paired Differences					t	df	Sig. (2-tailed)
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference Lower	Upper			
Pair 1	Hasil Sebelum Stabilitas - Hasil Sesudah Stabilitas	-.02333	.10693	.06173	-.28895	.24229	-.378	2	.742

Kadar air 2 jam

Tests of Normality

		Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Pengendapan 2 Jam	Statistic	df	Sig.	Statistic	df	Sig.
Kadar Air 2 jam	Kadar Air Sebelum Stabilitas	.194	3	.	.996	3	.886
	Kadar Air Sesudah Stabilitas	.341	3	.	.847	3	.232

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	Kadar Air	.9800	3	.29052	.16773

	Kadar AAir	1.0333	3	.41296	.23842

Paired Samples Correlations

		N	Correlation	Sig.
Pair 1	Kadar Air & Kadar AAir	3	.942	.218

Paired Samples Test

		Paired Differences					t	df	Sig. (2-tailed)
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference Lower	Upper			
Pair 1	Kadar Air - Kadar AAir	-.05333	.17010	.09821	-.47588	.36921	-.543	2	.642

Kadar Air 4 Jam

Tests of Normality

		Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Pengendapan 4 Jam	Statistic	df	Sig.	Statistic	df	Sig.
Kadar Air 4 jam	Kadar Air Sebelum Stabilitas	.219	3	.	.987	3	.780
	Kadar Air Sesudah Stabilitas	.177	3	.	1.000	3	.974

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	Kadar Air	.7867	3	.35233	.20342
	Kadar Air	.9533	3	.43004	.24828

Paired Samples Correlations

		N	Correlation	Sig.
Pair 1	Kadar Air & Kadar Air	3	.992	.082

Paired Samples Test

		Paired Differences					t	df	Sig. (2-tailed)
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference Lower	Upper			
Pair 1	Kadar Air - Kadar Air	-.16667	.09238	.05333	-.39614	.06281	-3.125	2	.089

Kadar Air 6 Jam

Tests of Normality

		Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Pengendapan 6 Jam	Statistic	df	Sig.	Statistic	df	Sig.
Kadar Air 6 jam	Kadar Air Sebelum Stabilitas	.238	3	.	.976	3	.702
	Kadar Air Sesudah Stabilitas	.175	3	.	1.000	3	1.000

a. Lilliefors Significance Correction

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	Kadar Air	.6000	3	.33407	.19287
	Kadar Air	.8000	3	.14000	.08083

Paired Samples Correlations

		N	Correlation	Sig.
Pair 1	Kadar Air & Kadar Air	3	.988	.099

Paired Samples Test

		Paired Differences					t	df	Sig. (2-tailed)
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference Lower	Upper			
Pair 1	Kadar Air - Kadar Air	-.20000	.19698	.11372	-.68932	.28932	-1.759	2	.221

Waktu Alir

Perlakuan Pengendapan 0 Jam

Tests of Normality

		Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Pengendapan 0 Jam	Statistic	df	Sig.	Statistic	df	Sig.
Waktu Alir 0 jam	Waktu Alir Sebelum Stabilitas	.282	3	.	.936	3	.510
	Waktu Alir Sesudah Stabilitas	.340	3	.	.848	3	.235

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	Waktu Alir 0 Jam	1.2833	3	.28431	.16415
	Waktu Alir 0 Jam	1.3433	3	.08145	.04702

Paired Samples Correlations

		N	Correlation	Sig.
Pair 1	Waktu Alir 0 Jam & Waktu Alir 0 Jam	3	.133	.915

Paired Samples Test

		Paired Differences					t	df	Sig. (2-tailed)
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference Lower	Upper			
Pair 1	Waktu Alir 0 Jam - Waktu Alir 0 Jam	-.06000	.28513	.16462	-.76831	.64831	-.364	2	.750

Perlakuan Pengendapan 2 Jam

Tests of Normality

		Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Pengendapan 2 Jam	Statistic	df	Sig.	Statistic	df	Sig.
Waktu Alir 2 jam	Waktu Alir Sebelum Stabilitas	.253	3	.	.964	3	.637
	Waktu Alir Sesudah Stabilitas	.314	3	.	.893	3	.363

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	Waktu Alir 2 Jam	1.2333	3	.15275	.08819
	Waktu Alir 2 Jam	1.3000	3	.26458	.15275

Paired Samples Correlations

		N	Correlation	Sig.
Pair 1	Waktu Alir 2 Jam & Waktu Alir 2 Jam	3	.990	.091

Paired Samples Test

		Paired Differences					t	df	Sig. (2-tailed)
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference Lower	Upper			
Pair 1	Waktu Alir 2 Jam - Waktu Alir 2 Jam	.06667	.11547	.06667	-.22018	.35351	1.000	2	.423

Perlakuan Pengendapan 4 Jam

Tests of Normality

		Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Pengendapan 4 Jam	Statistic	df	Sig.	Statistic	df	Sig.
Waktu Alir 4 jam	Waktu Alir Sebelum Stabilitas	.314	3	.	.893	3	.363
	Waktu Alir Sesudah Stabilitas	.292	3	.	.923	3	.463

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	Waktu Alir 4 Jam	1.1500	3	.13229	.07638
	Waktu Alir 4 Jam	1.2667	3	.20817	.12019

Paired Samples Correlations

		N	Correlation	Sig.
Pair 1	Waktu Alir 4 Jam & Waktu Alir 4 Jam	3	.545	.633

Paired Samples Test

		Paired Differences					t	df	Sig. (2-tailed)
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference Lower	Upper			
Pair 1	Waktu Alir 4 Jam - Waktu Alir 4 Jam	-.11667	.17559	.10138	-.55287	.31953	-1.151	2	.369

Perlakuan Pengendapan 6 Jam

Tests of Normality

		Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Pengendapan 6 jam	Statistic	df	Sig.	Statistic	df	Sig.
Hasil Uji Waktu Alir	Waktu Alir Sebelum Stabilitas	.385	3	.	.750	3	.000
	Waktu Alir Sesudah Stabilitas	.385	3	.	.750	3	.000

a. Lilliefors Significance Correction

Descriptives

	Pengendapan 6 jam			Statistic	Std. Error
sHasil Uji Waktu Alir	Waktu Alir Sebelum Stabilitas	Mean		1.1000	.05000
		95% Confidence Interval for Mean	Lower Bound	.8849	
			Upper Bound	1.3151	
		5% Trimmed Mean		.	
		Median		1.1500	
		Variance		.008	
		Std. Deviation		.08660	
		Minimum		1.00	
		Maximum		1.15	
		Range		.15	
		Interquartile Range		.	
		Skewness		-1.732	1.225
		Kurtosis		.	.
	Waktu Alir Sesudah Stabilitas	Mean		1.1333	.06667
		95% Confidence Interval for Mean	Lower Bound	.8465	
			Upper Bound	1.4202	
		5% Trimmed Mean		.	
		Median		1.2000	
		Variance		.013	
		Std. Deviation		.11547	
		Minimum		1.00	
		Maximum		1.20	
		Range		.20	
		Interquartile Range		.	
		Skewness		-1.732	1.225
		Kurtosis		.	.

Ranks

		N	Mean Rank	Sum of Ranks
Waktu Alir Pengendapan 6 Jam Sesudah stabilitas - Waktu Alir Pengendapan 6 Jam Sebelum stabilitas	Negative Ranks	1[a]	2.00	2.00
	Positive Ranks	2[b]	2.00	4.00
	Ties	0[c]		
	Total	3		

a. Waktu Alir Pengendapan 6 Jam Sesudah stabilitas < Waktu Alir Pengendapan 6 Jam Sebelum stabilitas
b. Waktu Alir Pengendapan 6 Jam Sesudah stabilitas > Waktu Alir Pengendapan 6 Jam Sebelum stabilitas
c. Waktu Alir Pengendapan 6 Jam Sesudah stabilitas = Waktu Alir Pengendapan 6 Jam Sebelum stabilitas

Test Statistics[a]

	Waktu Alir Pengendapan 6 Jam Sesudah stabilitas - Waktu Alir Pengendapan 6 Jam Sebelum stabilitas
Z	-.535[b]
Asymp. Sig. (2-tailed)	.593

a. Wilcoxon Signed Ranks Test
b. Based on negative ranks.

Sudut Diam

Perlakuan Pengendapan 0 Jam

Tests of Normality

		Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Pengendapan 0 JAM	Statistic	df	Sig.	Statistic	df	Sig.
Sudut Diam 0 jam	Sudut Diam 0 Jam Sebelum Stabilitas	.344	3	.	.841	3	.217
	Sudut Diam 0 Jam Sesudah Stabilitas	.176	3	.	1.000	3	.980

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	Sudut Diam Pengendapan 0 Jam	24.5467	3	.48521	.28014
	Sudut Diam Pengendapan 0 Jam	26.4600	3	.83504	.48211

Paired Samples Correlations

		N	Correlation	Sig.
Pair 1	Sudut Diam Pengendapan 0 Jam & Sudut Diam Pengendapan 0 Jam	3	-.810	.399

Paired Samples Test

		Paired Differences					t	df	Sig. (2-tailed)
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference Lower	Upper			
Pair 1	Sudut Diam Pengendapan 0 Jam - Sudut Diam Pengendapan 0 Jam	-1.91333	1.26057	.72779	-5.04476	1.21809	-2.629	2	.119

Perlakuan Pengendapan 2 Jam

Tests of Normality

	Pengendapan 2 jam	Kolmogorov-Smirnov[a] Statistic	df	Sig.	Shapiro-Wilk Statistic	df	Sig.
Sudut Diam 2 jam	Sudut Diam Sebelum Stabilitas	.369	3	.	.788	3	.086
	Sudut Diam Sesudah Stabilitas	.189	3	.	.998	3	.909

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	Sudut Diam Pengendapan 2 Jam	24.5200	3	.88425	.51052
	Sudut Diam Pengendapan 2 Jam	26.1200	3	.54562	.31501

Paired Samples Correlations

		N	Correlation	Sig.
Pair 1	Sudut Diam Pengendapan 2 Jam & Sudut Diam Pengendapan 2 Jam	3	-.909	.274

Paired Samples Test

		Paired Differences					t	df	Sig. (2-tailed)
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference Lower	Upper			
Pair 1	Sudut Diam Pengendapan 2 Jam - Sudut Diam Pengendapan 2 Jam	-1.60000	1.39871	.80755	-5.07460	1.87460	-1.981	2	.186

Perlakuan Pengendapan 4 Jam

Tests of Normality

	Pengendapan 4 jam	Kolmogorov-Smirnov[a] Statistic	df	Sig.	Shapiro-Wilk Statistic	df	Sig.
Sudut Diam4 jam	Sudut Diam Sebelum Stabilitas	.339	3	.	.851	3	.244
	Sudut Diam Sesudah Stabilitas	.348	3	.	.833	3	.196

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	Sudut Diam Pengendapan 4 Jam	23.3300	3	.94297	.54443
	Sudut Diam Pengendapan 4 Jam	25.4433	3	.58620	.33844

Paired Samples Correlations

		N	Correlation	Sig.
Pair 1	Sudut Diam Pengendapan 4 Jam & Sudut Diam Pengendapan 4 Jam	3	-.478	.683

Paired Samples Test

		Paired Differences					t	df	Sig. (2-tailed)
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference Lower	Upper			
Pair 1	Sudut Diam Pengendapan 4 Jam - Sudut Diam Pengendapan 4 Jam	-2.11333	1.32719	.76625	-5.41026	1.18359	-2.758	2	.110

Perlakuan Pengendapan 6 Jam

Tests of Normality

		Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Perlakuan 6 jam	Statistic	df	Sig.	Statistic	df	Sig.
Sudut Diam 6 jam	Sudut Diam Sebelum Stabilitas	.371	3	.	.783	3	.075
	Sudut Diam Sesudah Stabilitas	.349	3	.	.831	3	.192

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	Sudut Diam Pengendapan 6 Jam	23.2467	3	.76846	.44367
	Sudut Diam Pengendapan 6 Jam	25.1700	3	1.24471	.71863

Paired Samples Correlations

		N	Correlation	Sig.
Pair 1	Sudut Diam Pengendapan 6 Jam & Sudut Diam Pengendapan 6 Jam	3	-.552	.627

Paired Samples Test

		Paired Differences					t	df	Sig. (2-tailed)
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference Lower	Upper			
Pair 1	Sudut Diam Pengendapan 6 Jam - Sudut Diam Pengendapan 6 Jam	-1.92333	1.78786	1.03222	-6.36462	2.51795	-1.863	2	.203

Waktu Larut

Perlakuan Pengendapan 0 Jam

Tests of Normality

		Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Pengendapan 0 jam	Statistic	df	Sig.	Statistic	df	Sig.
Waktu Larut 0 jam	Waktu Larut Sebelum Stabilitas	.219	3	.	.987	3	.780
	Waktu Larut Sesudah Stabilitas	.267	3	.	.952	3	.576

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	Waktu Larut Pengendapan 0 Jam	5.1333	3	.10066	.05812
	Waktu Larut Pengendapan 0 Jam	3.4867	3	1.48136	.85526

Paired Samples Correlations

		N	Correlation	Sig.
Pair 1	Waktu Larut Pengendapan 0 Jam & Waktu Larut Pengendapan 0 Jam	3	-.590	.599

Paired Samples Test

		Paired Differences					t	df	Sig. (2-tailed)
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference Lower	Upper			
Pair 1	Waktu Larut Pengendapan 0 Jam - Waktu Larut Pengendapan 0 Jam	1.64667	1.54287	.89077	-2.18602	5.47936	1.849	2	.206

Perlakuan Pengendapan 2 Jam

Tests of Normality

		Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Pengendapan 2 jam	Statistic	df	Sig.	Statistic	df	Sig.
Waktu Larut 2 jam	Waktu Larut Sebelum Stabilitas	.367	3	.	.794	3	.100
	Waktu Larut Sesudah Stabilitas	.285	3	.	.931	3	.494

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	Waktu Larut Pengendapan 2 Jam	3.7200	3	.57236	.33045
	Waktu Larut Pengendapan 2 Jam	2.6000	3	1.29000	.74478

Paired Samples Correlations

		N	Correlation	Sig.
Pair 1	Waktu Larut Pengendapan 2 Jam & Waktu Larut Pengendapan 2 Jam	3	.741	.469

Paired Samples Test

		Paired Differences					t	df	Sig. (2-tailed)
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference Lower	Upper			
Pair 1	Waktu Larut Pengendapan 2 Jam - Waktu Larut Pengendapan 2 Jam	1.12000	.94726	.54690	-1.23312	3.47312	2.048	2	.177

Perlakuan Pengendapan 4 Jam

Tests of Normality

		Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Pengendapan 4 jam	Statistic	df	Sig.	Statistic	df	Sig.
Waktu Larut 4 jam	Uji Waktu Larut Sebelum Stabilitas	.195	3	.	.996	3	.882
	Waktu Larut Sesudah Stabilitas	.254	3	.	.963	3	.633

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	Waktu Larut Pengendapan 4 Jam	3.2033	3	1.16723	.67390
	Waktu Larut Pengendapan 4 Jam	2.2700	3	.86087	.49702

Paired Samples Correlations

		N	Correlation	Sig.
Pair 1	Waktu Larut Pengendapan 4 Jam & Waktu Larut Pengendapan 4 Jam	3	.702	.505

Paired Samples Test

		Paired Differences					t	df	Sig. (2-tailed)
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference Lower	Upper			
Pair 1	Waktu Larut Pengendapan 4 Jam - Waktu Larut Pengendapan 4 Jam	.93333	.83267	.48074	-1.13512	3.00179	1.941	2	.192

Perlakuan Pengendapan 6 Jam

Tests of Normality

		Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Pengendapan 6 jam	Statistic	df	Sig.	Statistic	df	Sig.
Waktu Larut 0 jam	Waktu Larut Sebelum Stabilitas	.175	3	.	1.000	3	.989
	Waktu Larut Sesudah Stabilitas	.298	3	.	.916	3	.437

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	Waktu Larut Pengendapan 6 Jam	3.0533	3	1.03002	.59468
	Waktu Larut Pengendapan 6 Jam	1.8333	3	.61655	.35597

Paired Samples Correlations

		N	Correlation	Sig.
Pair 1	Waktu Larut Pengendapan 6 Jam & Waktu Larut Pengendapan 6 Jam	3	.222	.858

Paired Samples Test

		Paired Differences					t	df	Sig. (2-tailed)
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference Lower	Upper			
Pair 1	Watu Larut Pengendapan 6 Jam - Waktu Larut Pengendapan 6 Jam	1.22000	1.07685	.62172	-1.45504	3.89504	1.962	2	.189

Ukuran Partikel

Perlakuan Pengendapan 0 Jam

Tests of Normality

		Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Ukuran Partikel 0 jam	Statistic	df	Sig.	Statistic	df	Sig.
Hasil Uji Ukuran Partikel 0 jam	Sebelum stabilitas	.150	15	.200*	.937	15	.346
	Sesudah Satabilitas	.127	15	.200*	.933	15	.306

*. This is a lower bound of the true significance.
a. Lilliefors Significance Correction

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	Ukuran Partikel Perlakuan 0 Jam Pengendapan	15.5700	15	9.69026	2.50202
	Ukuran Partikel Perlakuan 0 Jam Pengendapan	15.5347	15	10.56799	2.72864

Paired Samples Test

		Paired Differences					t	df	Sig. (2-tailed)
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference Lower	Upper			
Pair 1	Ukuran Partikel Perlakuan 0 Jam Pengendapan - Ukuran Partikel Perlakuan 0 Jam Pengendapan	.03533	3.75284	.96898	-2.04292	2.11359	.036	14	.971

Perlakuan Pengendapan 2 Jam

Tests of Normality

		Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	UkuranPartikel	Statistic	df	Sig.	Statistic	df	Sig.
Hasil Uji	Sebelum Satabilitas	.127	15	.200*	.921	15	.199
	Sesudah Stabilitas	.126	15	.200*	.953	15	.566

*. This is a lower bound of the true significance.
a. Lilliefors Significance Correction

Paired Samples Correlations

		N	Correlation	Sig.
Pair 1	Ukuran Partikel Pengendapan 2 Jam & Ukuran Partikel Pengendapan 2 Jam	15	.863	.000

Paired Samples Test

		Paired Differences					t	df	Sig. (2-tailed)
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference Lower	Upper			
Pair 1	Ukuran Partikel Pengendapan 2 Jam - Ukuran Partikel Pengendapan 2 Jam	-.24467	6.20806	1.60291	-3.68257	3.19324	-.153	14	.881

Perlakuan Pengendapan 4 Jam

Tests of Normality

	Uji Ukuran Partikel	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
Ukuran Partikel 4 Jam Pengendapan	Sebelum Stabilitas	.177	15	.200*	.887	15	.060
	Sesudah Stabilitas	.162	15	.200*	.917	15	.176

*. This is a lower bound of the true significance.
a. Lilliefors Significance Correction

Paired Samples Correlations

		N	Correlation	Sig.
Pair 1	Ukuran Partikel Pengendapan 4 jam & Ukuran Partikel Pengendapan 4 jam	15	.788	.000

Paired Samples Test

		Paired Differences					t	df	Sig. (2-tailed)
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference Lower	Upper			
Pair 1	Ukuran Partikel Pengendapan 4 jam - Ukuran Partikel Pengendapan 4 jam	-.74400	8.77974	2.26692	-5.60606	4.11806	-.328	14	.748

Perlakuan Pengendapan 6 Jam

Tests of Normality

	PerlakuanUji	Kolmogorov-Smirnov[a]			Shapiro-Wilk		
		Statistic	df	Sig.	Statistic	df	Sig.
Hasil Uji Ukuran Partikel Pengendapan 6 Jam	SebelumStabilitas	.134	15	.200*	.929	15	.267
	Sesudah Stabilitas	.171	15	.200*	.906	15	.117

*. This is a lower bound of the true significance.

a. Lilliefors Significance Correction

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	Uji Ukuran Partikel Pengendapan 6 Jam	16.3107	15	10.46827	2.70289
	Uji Ukuran Partikel Pengendapan 6 Jam	17.4427	15	15.28453	3.94645

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	Uji Ukuran Partikel Pengendapan 6 Jam	16.3107	15	10.46827	2.70289
	Uji Ukuran Partikel Pengendapan 6 Jam	17.4427	15	15.28453	3.94645

Paired Samples Test

		Paired Differences					t	df	Sig. (2-tailed)
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference Lower	Upper			
Pair 1	Uji Ukuran Partikel Pengendapan 6 Jam - Uji Ukuran Partikel Pengendapan 6 Jam	-1.13200	9.35649	2.41584	-6.31345	4.04945	-.469	14	.647

Antioksidan

Perlakuan Pengendapan 0 Jam

Tests of Normality

		Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Antioksidan 0 Jam	Statistic	df	Sig.	Statistic	df	Sig.
Hasil IC50	Sebelum Stabilitas	.352	3	.	.826	3	.179
	Sesudah Stabilitas	.317	3	.	.889	3	.351

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	Antioksidan Perlakuan 0 Jam	124.2333	3	30.31625	17.50310
	Antioksidan Perlakuan 0 Jam	120.4867	3	14.74847	8.51503

Paired Samples Correlations

		N	Correlation	Sig.
Pair 1	Antioksidan Perlakuan 0 Jam & Antioksidan Perlakuan 0 Jam	3	.576	.609

Paired Samples Test

		Paired Differences					t	df	Sig. (2-tailed)
		Mean	SStd. Deviation	Std. Error Mean	95% Confidence Interval of the Difference Lower	Upper			
Pair 1	Antioksidan Perlakuan 0 Jam - Antioksidan Perlakuan 0 Jam	3.74667	24.92942	14.39300	-58.18143	65.67477	.260	2	.819

Perlakuan Pengendapan 2 Jam

Tests of Normality

		Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Antioksidan 2 Jam	Statistic	df	Sig.	Statistic	df	Sig.
Hasil IC50	Sebelum Stabilitas	.313	3	.	.894	3	.367
	Sesudah Stabilitas	.353	3	.	.824	3	.173

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	Antioksidan Perlakuan 2 Jam	147.8733	3	17.06693	9.85360
	Antioksidan Perlakuan 2 Jam	156.8133	3	19.59787	11.31484

Paired Samples Correlations

		N	Correlation	Sig.
Pair 1	Antioksidan Perlakuan 2 Jam & Antioksidan Perlakuan 2 Jam	3	-.685	.520

Paired Samples Test

		Paired Differences					t	df	Sig. (2-tailed)
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference Lower	Upper			
Pair 1	Antioksidan Perlakuan 2 Jam - Antioksidan Perlakuan 2 Jam	-8.94000	33.66825	19.43838	-92.57658	74.69658	-.460	2	.691

Perlakuan Pengendapan 4 Jam

Tests of Normality

		Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Antioksidan 4 Jam	Statistic	df	Sig.	Statistic	df	Sig.
Hasil IC50	Sebelum Stabilitas	.190	3	.	.997	3	.904
	Sesudah Stabilitas	.297	3	.	.918	3	.444

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	Antioksidan Perlakuan 4 Jam	157.8733	3	5.81232	3.35574
	Antioksidan Perlakuan 4 Jam	161.4367	3	1.57497	.90931

Paired Samples Correlations

		N	Correlation	Sig.
Pair 1	Antioksidan Perlakuan 4 Jam & Antioksidan Perlakuan 4 Jam	3	.879	.317

Paired Samples Test

		Paired Differences					t	df	Sig. (2-tailed)
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference Lower	Upper			
Pair 1	Antioksidan Perlakuan 4 Jam - Antioksidan Perlakuan 4 Jam	-3.56333	4.49162	2.59324	-14.72113	7.59446	-1.374	2	.303

Perlakuan Pengendapan 6 Jam

Tests of Normality

		Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	Antioksidan 6 Jam	Statistic	df	Sig.	Statistic	df	Sig.
Hasil IC50	Sebelum Stabilitas	.319	3	.	.886	3	.341
	Sesudah Stabilitas	.370	3	.	.787	3	.083

Paired Samples Statistics

		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	Antioksidan Perlakuan 6 Jam	217.0700	3	39.46022	22.78237
	Antioksidan Perlakuan 6 Jam	239.1767	3	2.18157	1.25953

Paired Samples Correlations

		N	Correlation	Sig.
Pair 1	Antioksidan Perlakuan 6 Jam & Antioksidan Perlakuan 6 Jam	3	-.991	.086

Paired Samples Test

		Paired Differences					t	df	Sig. (2-tailed)
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference Lower	Upper			
Pair 1	Antioksidan Perlakuan 6 Jam - Antioksidan Perlakuan 6 Jam	-22.10667	41.62297	24.03103	-125.50385	81.29052	-.920	2	.455