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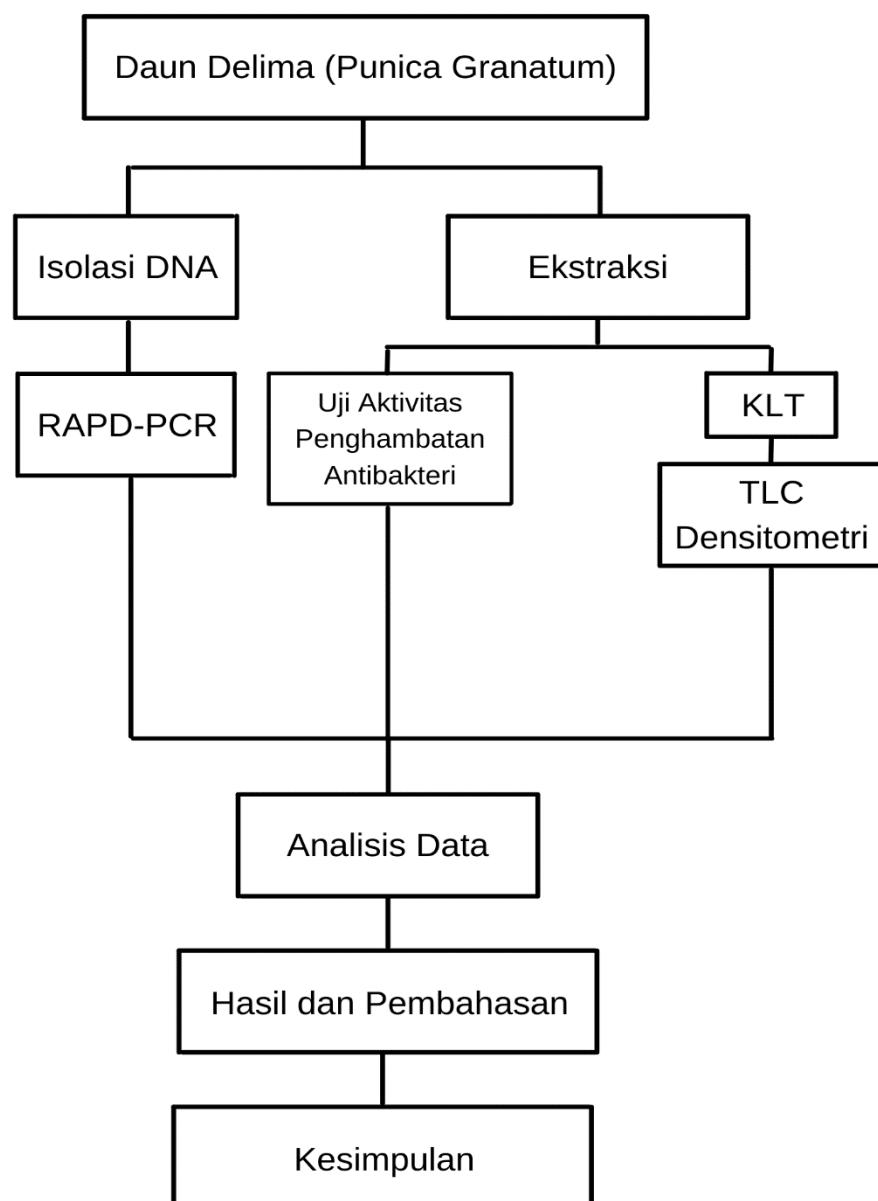
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LAMPIRAN

Lampiran 1. Skema kerja



Lampiran 2. Perhitungan bahan-bahan yang digunakan pada penelitian

A. Pengujian penghambatan antibakteri

1. Pembuatan DMSO 10%

$$10\% = 10 \text{ ml} = \frac{10 \text{ ml}}{100 \text{ ml}}$$

$$= \frac{10 \text{ ml}}{100 \text{ ml}} \times \frac{x}{5 \text{ ml}}$$

$$= \frac{50 \text{ ml}}{100 \text{ ml}} = x$$

$$X = 0,5 \text{ ml} = 5 \text{ ml aquadest}$$

2. Pembuatan medium MHA

$$\text{MHA} = 38 \text{ gr dalam } 1000 \text{ ml}$$

Untuk membuat 7,6 gr MHA dalam 200 ml aquadest

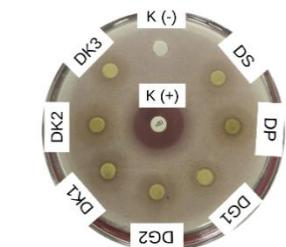
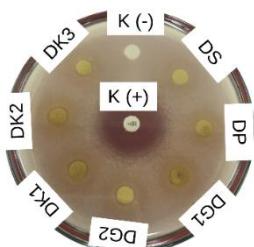
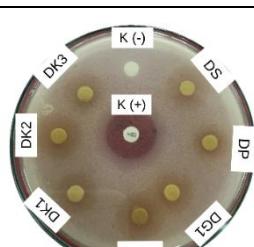
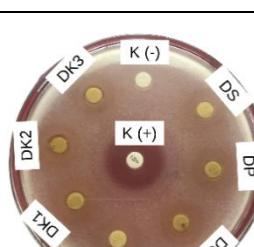
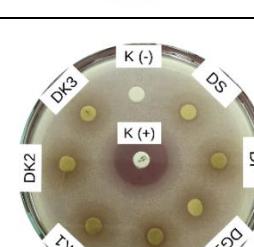
$$= \frac{38 \text{ gr}}{1000 \text{ ml}} = \frac{x}{200 \text{ ml}}$$

$$= 1000 \cdot x = 38 \text{ gr} \times 200 \text{ ml}$$

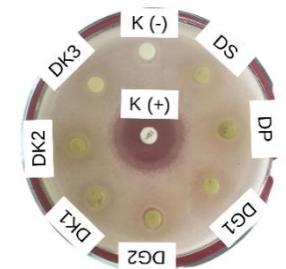
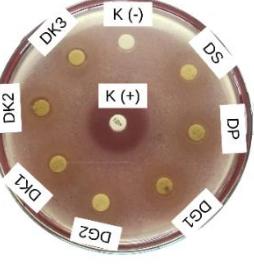
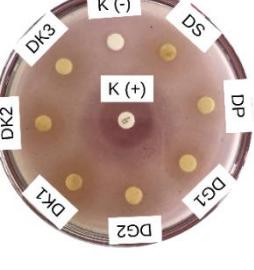
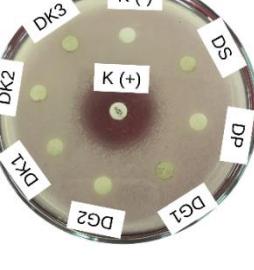
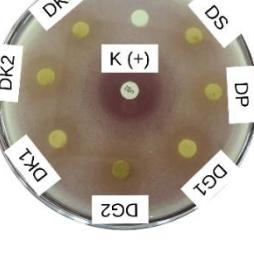
$$= \frac{7600 \text{ gr}}{1000 \text{ ml}}$$

$$= 7,6 \text{ gr MHA}$$

Lampiran 3. Gambar uji aktivitas antibakteri**A. Bakteri *Staphylococcus aureus***

	Ekstrak etanol 96 % delima
	Ekstrak etanol 70% delima
	Ekstrak etanol 30% delima
	Ekstrak etil asetat delima
	Ekstrak air delima

B. Pseudomonas aeruginosa

	Ekstrak etanol 96% delima
	Ekstrak etanol 70% delima
	Ekstrak etanol 30% delima
	Ekstrak etil asetat delima
	Ekstrak air delima

Lampiran 4. Tabel Pengukuran Uji Aktivitas Ekstrak Daun *P. granatum* terhadap bakteri *S. aureus* dan *P. aeruginosa*.

A. Bakteri *S. aureus*

Ekstrak etanol 96% delima	Pengukuran 1	Pengukuran 2	Pengukuran 3	Pengukuran 4
Delima Soppeng (Putih)	7,51	7,62	7,70	7,49
Delima Polewali (Merah)	6,87	6,50	6,43	6,25
Delima Gowa (Putih)	8,19	7,89	7,86	7,64
Delima Gowa (Merah)	7,39	7,12	7,23	7,49
Delima Kediri (Putih)	7,04	7,02	7,09	7,06
Delima Kediri (Merah)	7,45	7,22	7,25	7,16
Delima Kediri (Ungu)	7,18	7,22	7,01	7,34
Kloramfenikol	19,63	19,95	19,46	19,74
DMSO 10%	0	0	0	0

Ekstrak etanol 70% delima	Pengukuran 1	Pengukuran 2	Pengukuran 3	Pengukuran 4
Delima Soppeng (Putih)	6,13	6,28	6,39	6,23
Delima Polewali (Merah)	6,74	6,41	6,79	6,67
Delima Gowa (Putih)	6,49	6,13	6,20	6,33
Delima Gowa (Merah)	6,61	6,74	6,67	6,74
Delima Kediri (Putih)	7,20	7,13	7,21	7,16
Delima Kediri (Merah)	7,96	7,53	7,76	7,70
Delima Kediri (Ungu)	6,80	6,75	6,61	6,75
Kloramfenikol	19,96	19,91	19,76	19,97
DMSO 10%	0	0	0	0

Ekstrak etanol 30% delima	Pengukuran 1	Pengukuran 2	Pengukuran 3	Pengukuran 4
Delima Soppeng (Putih)	7,17	6,96	7,13	7,76
Delima Polewali (Merah)	6,03	5,99	6,12	6,00
Delima Gowa (Putih)	7,65	7,21	7,41	7,39
Delima Gowa (Merah)	0	0	0	0
Delima Kediri (Putih)	0	0	0	0
Delima Kediri (Merah)	0	0	0	0
Delima Kediri (Ungu)	0	0	0	0
Kloramfenikol	19,54	19,90	19,95	19,82
DMSO 10%	0	0	0	0

Ekstrak etil asetat delima	Pengukuran 1	Pengukuran 2	Pengukuran 3	Pengukuran 4
Delima Soppeng (Putih)	7,27	6,95	7,24	7,18
Delima Polewali (Merah)	7,45	7,22	7,38	7,34
Delima Gowa (Putih)	7,55	7,38	7,45	7,32
Delima Gowa (Merah)	7,08	7,14	7,10	7,02
Delima Kediri (Putih)	7,21	7,13	7,14	7,10
Delima Kediri (Merah)	7,12	7,07	7,21	7,11
Delima Kediri (Ungu)	7,21	7,16	6,94	6,85
Kloramfenikol	19,60	19,67	19,43	19,84
DMSO 10%	0	0	0	0

Ekstrak air delima	Pengukuran 1	Pengukuran 2	Pengukuran 3	Pengukuran 4
Delima Soppeng (Putih)	0	0	0	0
Delima Polewali (Merah)	0	0	0	0
Delima Gowa (Putih)	0	0	0	0
Delima Gowa (Merah)	0	0	0	0
Delima Kediri (Putih)	0	0	0	0
Delima Kediri (Merah)	0	0	0	0
Delima Kediri (Ungu)	0	0	0	0
Kloramfenikol	19,78	19,51	19,20	19,18
DMSO 10%	0	0	0	0

B. Bakteri *P. aeruginosa*

Ekstrak etanol 96% delima	Pengukuran 1	Pengukuran 2	Pengukuran 3	Pengukuran 4
Delima Soppeng (Putih)	6,67	6,69	6,71	6,60
Delima Polewali (Merah)	6,58	6,66	6,67	6,57
Delima Gowa (Putih)	7,10	7,33	7,22	7,30
Delima Gowa (Merah)	6,80	6,94	6,89	6,99
Delima Kediri (Putih)	7,79	7,57	8,15	7,68
Delima Kediri (Merah)	7,26	7,35	7,31	7,24
Delima Kediri (Ungu)	7,57	7,20	7,12	7,17
Kloramfenikol	22,47	22,17	22,28	22,15
DMSO 10%	0	0	0	0

Ekstrak etanol 70% delima	Pengukuran 1	Pengukuran 2	Pengukuran 3	Pengukuran 4
Delima Soppeng (Putih)	6,48	6,40	6,28	6,47
Delima Polewali (Merah)	6,49	7,53	7,62	6,60
Delima Gowa (Putih)	7,00	7,28	7,29	7,09
Delima Gowa (Merah)	7,26	7,34	6,85	6,35
Delima Kediri (Putih)	7,69	7,81	7,33	7,60
Delima Kediri (Merah)	7,10	6,99	7,34	7,09
Delima Kediri (Ungu)	7,50	7,49	7,63	7,71
Kloramfenikol	23,64	23,50	23,46	23,84
DMSO 10%	0	0	0	0

Ekstrak etanol 30% delima	Pengukuran 1	Pengukuran 2	Pengukuran 3	Pengukuran 4
Delima Soppeng (Putih)	6,82	6,89	6,81	6,89
Delima Polewali (Merah)	7,12	7,34	7,16	6,89
Delima Gowa (Putih)	0	0	0	0
Delima Gowa (Merah)	0	0	0	0
Delima Kediri (Putih)	0	0	0	0
Delima Kediri (Merah)	0	0	0	0
Delima Kediri (Ungu)	0	0	0	0
Kloramfenikol	22,40	22,76	22,38	22,28
DMSO 10%	0	0	0	0

Ekstrak etil asetat delima	Pengukuran 1	Pengukuran 2	Pengukuran 3	Pengukuran 4
Delima Soppeng (Putih)	0	0	0	0
Delima Polewali (Merah)	0	0	0	0
Delima Gowa (Putih)	0	0	0	0
Delima Gowa (Merah)	0	0	0	0
Delima Kediri (Putih)	0	0	0	0
Delima Kediri (Merah)	0	0	0	0
Delima Kediri (Ungu)	0	0	0	0
Kloramfenikol	22,98	22,79	22,86	22,97
DMSO 10%	0	0	0	0

Ekstrak air delima	Pengukuran 1	Pengukuran 2	Pengukuran 3	Pengukuran 4
Delima Soppeng (Putih)	0	0	0	0
Delima Polewali (Merah)	0	0	0	0
Delima Gowa (Putih)	0	0	0	0
Delima Gowa (Merah)	0	0	0	0
Delima Kediri (Putih)	0	0	0	0
Delima Kediri (Merah)	0	0	0	0
Delima Kediri (Ungu)	0	0	0	0
Kloramfenikol	22,30	22,21	22,28	22,20
DMSO 10%	0	0	0	0

Lampiran 5. Dokumentasi penelitian



Gambar 19.
Daun Delima
Soppeng (Putih)



Gambar 20.
Daun Delima
Polewali (Merah)



Gambar 21.
Daun Delima
Gowa (Merah)



Gambar 22.
Daun Delima
Gowa (Putih)



Gambar 23.
Daun Delima
Kediri (Merah)



Gambar 24.
Daun Delima
Kediri (Putih)



Gambar 25.
Daun Delima
Kediri (Ungu)



Gambar 26.
Penimbangan
simpisia delima



Gambar 27.
Proses
maserasi



Gambar 28.
Preparasi
penotolan
ekstrak



Gambar 29.
Proses
penggerusan
daun delima



Gambar 30.
Proses isolasi
DNA



Gambar 31.
Proses preparasi
sampel untuk di
PCR



Gambar 32.
Proses sampel
di PCR



Gambar 33.
Sampel dalam
mesin PCR



Gambar 34.
Proses
pemasukan
sampel ke
elektroforesis

Lampiran 6. Analisis TLC Densitometri

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Analysis Report

Method	C:\CAMAG\winCATS\Data\2021\september\E delima\20SEP 254.cme	
Created by	camag	Saturday, January 01, 2005 12:03:24 AM
Last modified by	camag	Saturday, January 01, 2005 12:10:48 AM
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Validated	Design	
Description :		
Analysis	C:\CAMAG\winCATS\Data\2021\Mei\Satria\20050101-184.cna	
Created/used by	camag	Saturday, January 01, 2005 1:10:34 AM
Current user	camag	

Stationary phase

Executed by	camag	Saturday, January 01, 2005 12:15:02 AM
Plate size (X x Y)	20.0 x 10.0 cm	
Material	HPTLC plates silica gel 60 F 254	
Manufacturer	E. MERCK KGaA	
Batch		
GLP code		
Pre-washing	No	
Modification	No	

Definitions - Screening

Executed by	camag	Saturday, January 01, 2005 12:10:57 AM
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Samples

ED 1
ED 2
ED 3
ED 4
ED 5
ED 6
ED 7
ED8
ED9
ED10
ED11
ED12
ED13
ED14
ED15
ED16
ED17
ED18
ED19

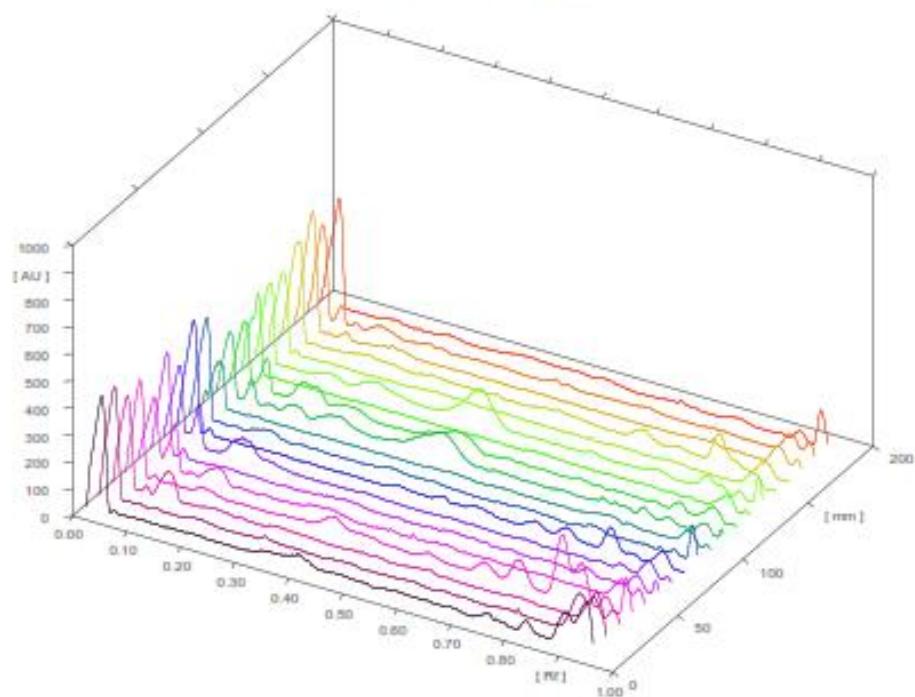
Substance name	Rf	Window size	Manufacturer	Batch number	Expiry date	Product number
Substance 1	0.03	0.900				
Substance 2	0.05	0.500				
Substance 3	0.06	1.400				
Substance 4	0.10	1.500				
Substance 5	0.14	0.600				
Substance 6	0.16	0.500				
Substance 7	0.16	3.900				

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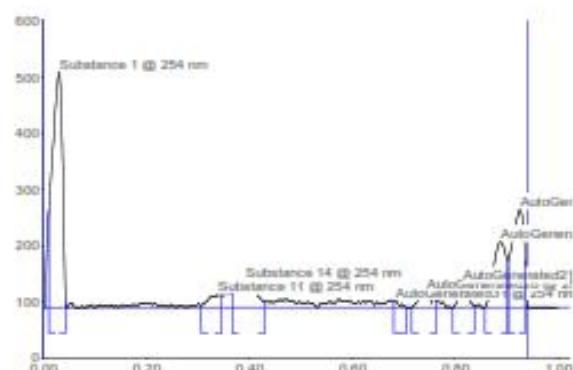
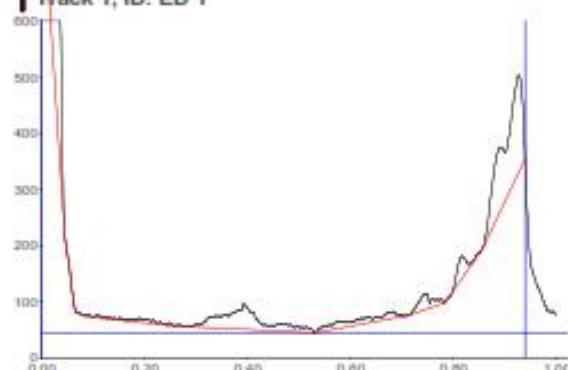
Integration**Properties**

Data filtering	Savitsky-Golay 7
Baseline correction	Lowest Slope
Peak threshold min. slope	5
Peak threshold min. height	10 AU
Peak threshold min. area	50
Peak threshold max. height	990 AU
Track start position	10.0 mm
Track end position	92.8 mm
Display scaling	Automatic

All tracks at Wavelength



Track 1, ID: ED 1



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Analysis Report

Method	C:\CAMAG\winCATS\Data\2021\september\E delima\21 sep 254.cme	
Created by	camag	Saturday, January 01, 2005 12:36:04 AM
Last modified by	camag	Saturday, January 01, 2005 12:37:14 AM
SOP document		
Validated	Design	
Description :		
Analysis	C:\CAMAG\winCATS\Data\2021\Mei\Satria\20050101-197.cna	
Created/used by	camag	Saturday, January 01, 2005 1:16:17 AM
Current user	camag	

Stationary phase

Executed by	camag	Saturday, January 01, 2005 12:39:55 AM
Plate size (X x Y)	20.0 x 10.0 cm	
Material	HPTLC plates silica gel 60 F 254	
Manufacturer	E. MERCK KGaA	
Batch		
GLP code		
Pre-washing	No	
Modification	No	

Definitions - Screening

Executed by	camag	Saturday, January 01, 2005 12:37:21 AM
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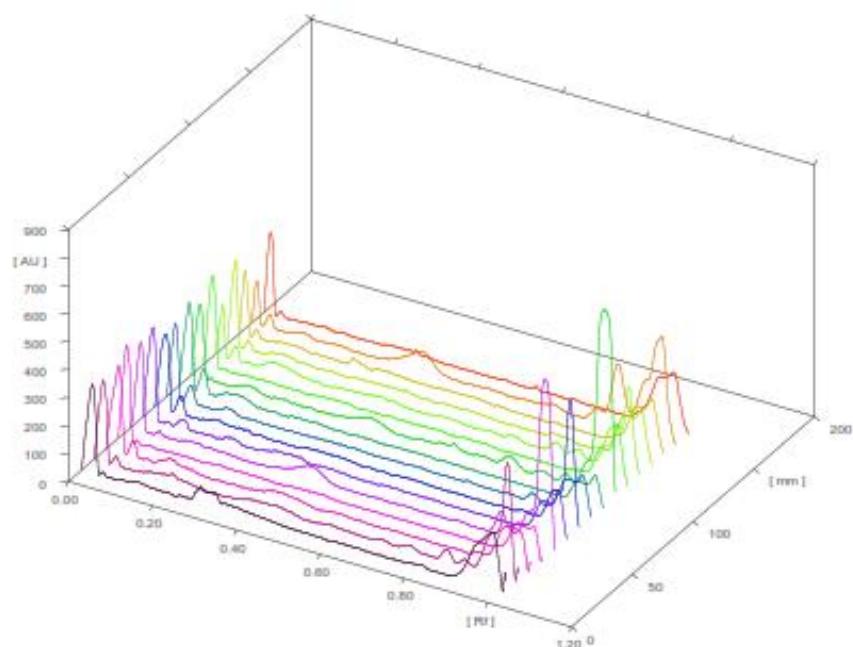
Samples

ED 1
 ED 2
 ED 3
 ED 4
 ED 5
 ED 6
 ED 7
 ED8
 ED9
 ED10
 ED11
 ED12
 ED13
 ED14
 ED15
 ED16

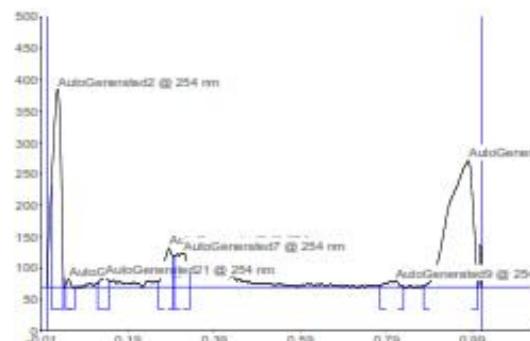
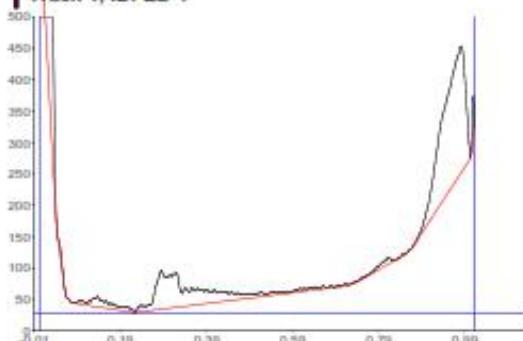
Substance name	Rf	Window size	Manufacturer	Batch number	Expiry date	Product number
AutoGenerated1	0.97	3.000				
AutoGenerated2	0.02	1.600				
AutoGenerated3	0.86	3.000				
AutoGenerated4	0.99	0.500				
AutoGenerated5	0.05	2.600				
AutoGenerated6	0.88	2.000				
AutoGenerated7	0.38	9.300				
AutoGenerated8	0.28	1.200				
AutoGenerated9	0.82	1.400				
AutoGenerated10	0.77	2.000				

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All tracks at Wavelength



Track 1, ID: ED 1



Peak	Start Rf	Start Height	Max Rf	Max Height	Max %	End Rf	End Height	Area	Area %	Assigned substance
1	0.01	161.1	0.03	315.3	46.78	0.04	14.1	5195.1	28.04	AutoGenerated2
2	0.04	2.0	0.05	13.1	1.94	0.06	0.0	95.7	0.52	AutoGenerated5
3	0.12	6.1	0.14	16.3	2.41	0.15	10.3	269.2	1.45	AutoGenerated21
4	0.26	8.2	0.28	62.6	9.29	0.29	49.0	1197.8	6.47	AutoGenerated8
5	0.30	49.3	0.32	54.4	8.07	0.33	21.2	1338.4	7.22	AutoGenerated7
6	0.78	2.3	0.81	10.6	1.57	0.83	0.0	253.5	1.37	AutoGenerated9
7	0.88	0.7	0.98	201.8	29.94	1.00	4.1	10175.4	54.93	AutoGenerated1

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Analysis Report

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Last modified by	camag	Saturday, January 01, 2005 1:22:06 AM
SOP document		
Validated	Design	
Description :		
Analysis	C:\CAMAG\winCATS\Data\2021\Mei\Satria\20050101-187.cna	
Created/used by	camag	Saturday, January 01, 2005 2:17:28 AM
Current user	camag	

Stationary phase

Executed by	camag	Saturday, January 01, 2005 1:25:01 AM
Plate size (X x Y)	20.0 x 10.0 cm	
Material	HPTLC plates silica gel 60 F 254	
Manufacturer	E. MERCK KGaA	
Batch		
GLP code		
Pre-washing	No	
Modification	No	

Definitions - Screening

Executed by	camag	Saturday, January 01, 2005 1:22:12 AM
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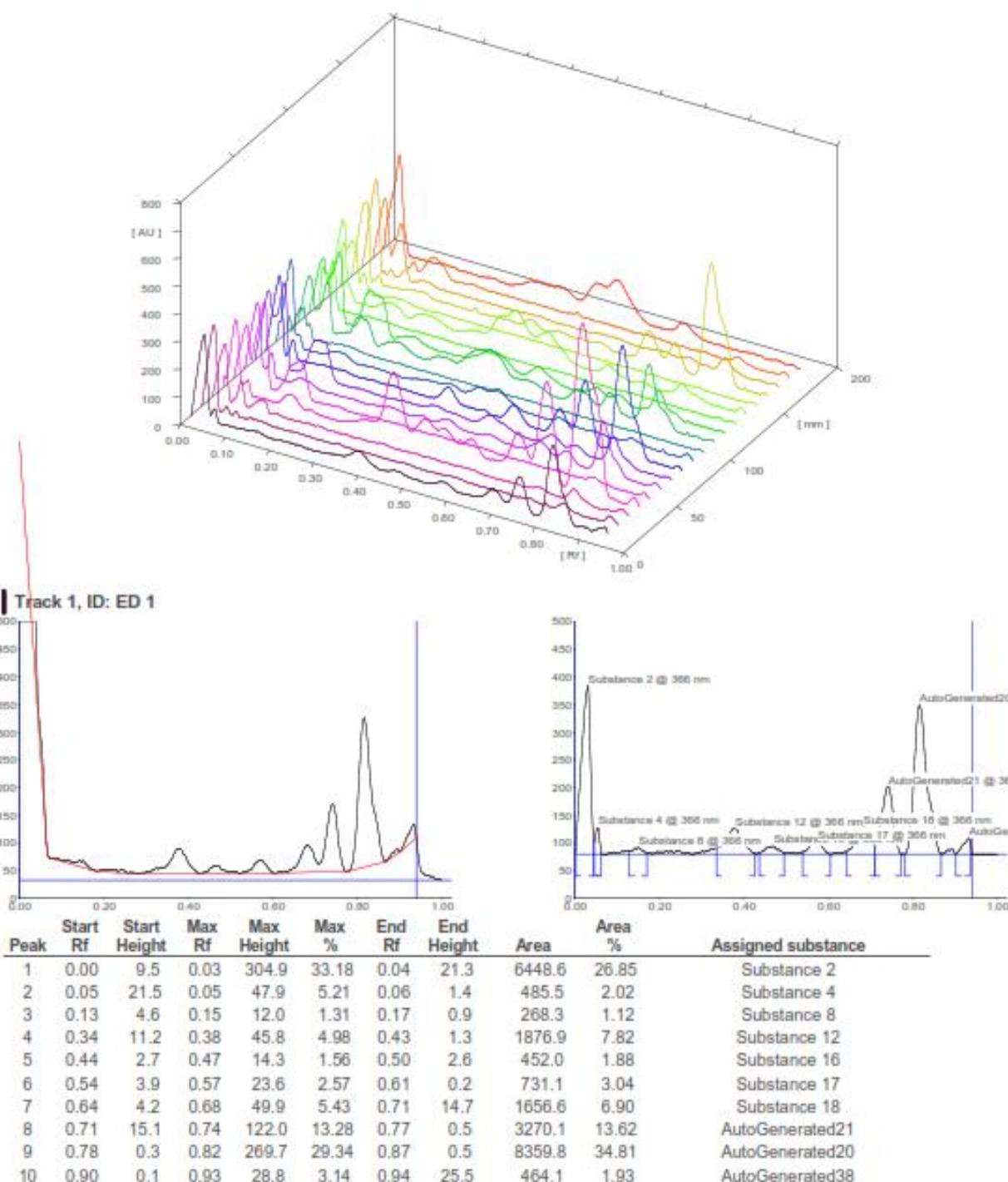
Samples

ED 1
 ED 2
 ED 3
 ED 4
 ED 5
 ED 6
 ED 7
 ED 8
 ED 9
 ED10
 ED11
 ED12
 ED13
 ED14
 ED15
 ED16
 ED17
 ED18
 ED19

Substance name	Rf	Window size	Manufacturer	Batch number	Expiry date	Product number
Substance 1	0.01	0.500				
Substance 2	0.03	1.300				
Substance 3	0.05	0.500				
Substance 4	0.06	1.700				
Substance 5	0.10	0.800				
Substance 6	0.12	7.200				
Substance 7	0.12	0.500				

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All tracks at Wavelength



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Analysis Report

Method	C:\CAMAG\winCATS\Data\2021\september\E delima\21 sep 366.cme	
Created by	camag	Saturday, January 01, 2005 1:26:04 AM
Last modified by	camag	Saturday, January 01, 2005 1:26:26 AM
SOP document		
Validated	Design	
Description :		
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Created/used by	camag	Saturday, January 01, 2005 2:06:18 AM
Current user	camag	

Stationary phase

Executed by	camag	Saturday, January 01, 2005 1:29:05 AM
Plate size (X x Y)	20.0 x 10.0 cm	
Material	HPTLC plates silica gel 60 F 254	
Manufacturer	E. MERCK KGaA	
Batch		
GLP code		
Pre-washing	No	
Modification	No	

Definitions - Screening

Executed by	camag	Saturday, January 01, 2005 1:26:46 AM
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Samples

ED 1
 ED 2
 ED 3
 ED 4
 ED 5
 ED 6
 ED 7
 ED8
 ED9
 ED10
 ED11
 ED12
 ED13
 ED14
 ED15
 ED16

Substance name	Rf	Window size	Manufacturer	Batch number	Expiry date	Product number
AutoGenerated1	0.02	1.600				
AutoGenerated2	0.83	2.600				
AutoGenerated3	0.05	2.000				
AutoGenerated4	0.06	0.500				
AutoGenerated5	0.73	3.600				
AutoGenerated6	0.86	0.500				
AutoGenerated7	0.43	3.800				
AutoGenerated8	0.13	4.100				
AutoGenerated9	0.38	3.300				
AutoGenerated10	0.67	2.800				

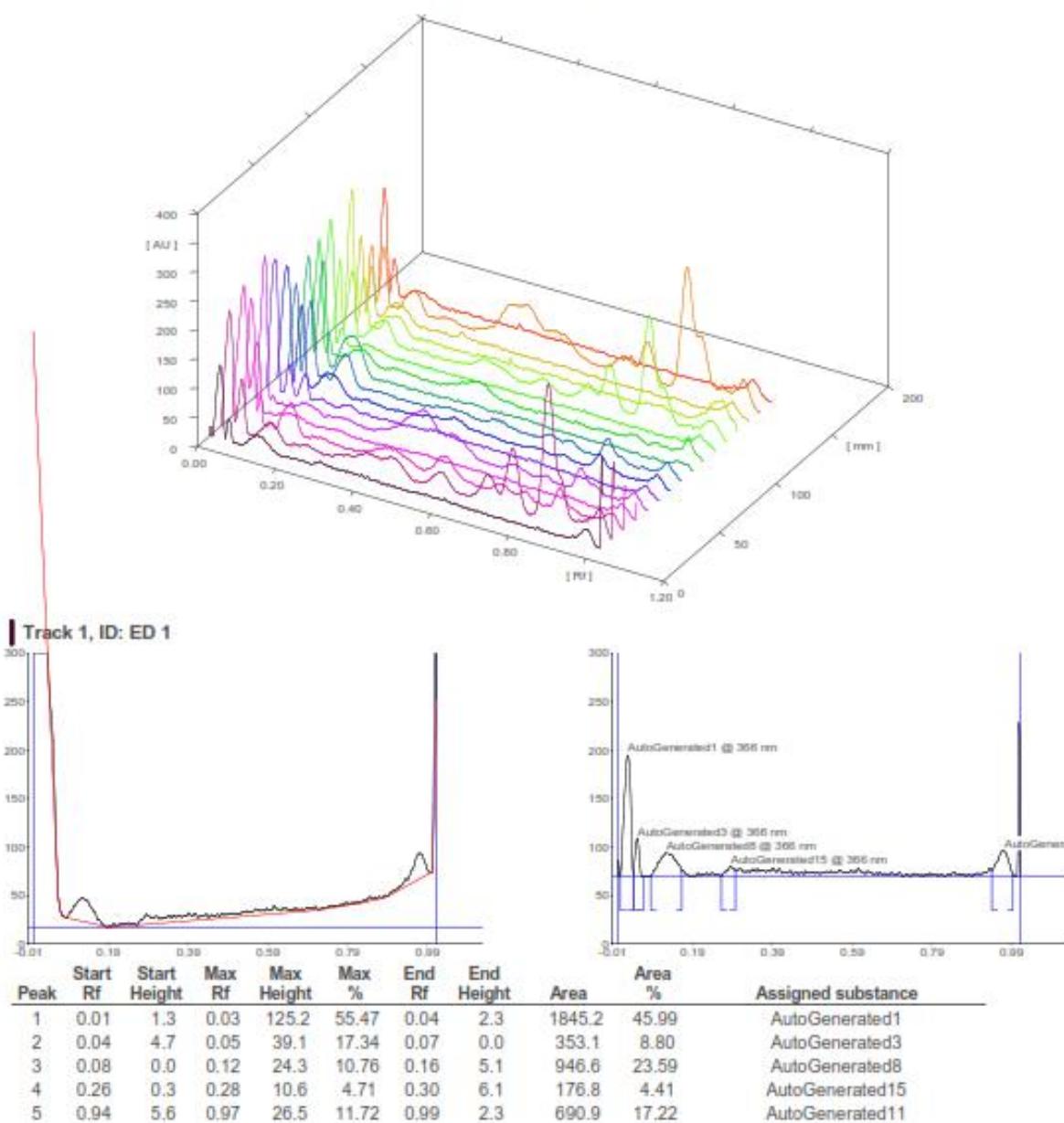
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 Saturday, January 01, 2005 2:10:40 AM

Approved :
 Report ID : 07D5010107020612

SN 1410W024, V1.4.3
 Page 1 of 18

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All tracks at Wavelength



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Analysis Report

Method	C:\CAMAG\winCATS\Data\2021\september\E delima\21 sep.2. 254.cme	
Created by	camag	Saturday, January 01, 2005 3:57:28 AM
Last modified by	camag	Saturday, January 01, 2005 3:59:33 AM
SOP document		
Validated	Design	
Description :		
Analysis	C:\CAMAG\winCATS\Data\2021\Mei\Satria\20050101-203.cna	
Created/used by	camag	Saturday, January 01, 2005 5:13:16 AM
Current user	camag	

Stationary phase

Executed by	camag	Saturday, January 01, 2005 4:02:30 AM
Plate size (X x Y)	20.0 x 10.0 cm	
Material	HPTLC plates silica gel 60 F 254	
Manufacturer	E. MERCK KGaA	
Batch		
GLP code		
Pre-washing	No	
Modification	No	

Definitions - Screening

Executed by	camag	Saturday, January 01, 2005 3:59:39 AM
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Samples

ED 1
 ED 2
 ED 3
 ED 4
 ED 5
 ED 6
 ED 7
 ED8
 ED9
 ED10
 ED11
 ED12
 ED13
 ED14
 ED15
 ED16
 ED17
 ED18
 ED19

Substance name	Rf	Window size	Manufacturer	Batch number	Expiry date	Product number
AutoGenerated1	0.76	26.500				
AutoGenerated2	0.67	9.700				
AutoGenerated3	0.91	6.600				
AutoGenerated4	0.30	10.600				
AutoGenerated5	0.87	0.500				
AutoGenerated6	0.90	0.500				
AutoGenerated7	0.03	1.700				

User : camag
 Saturday, January 01, 2005 5:18:02 AM

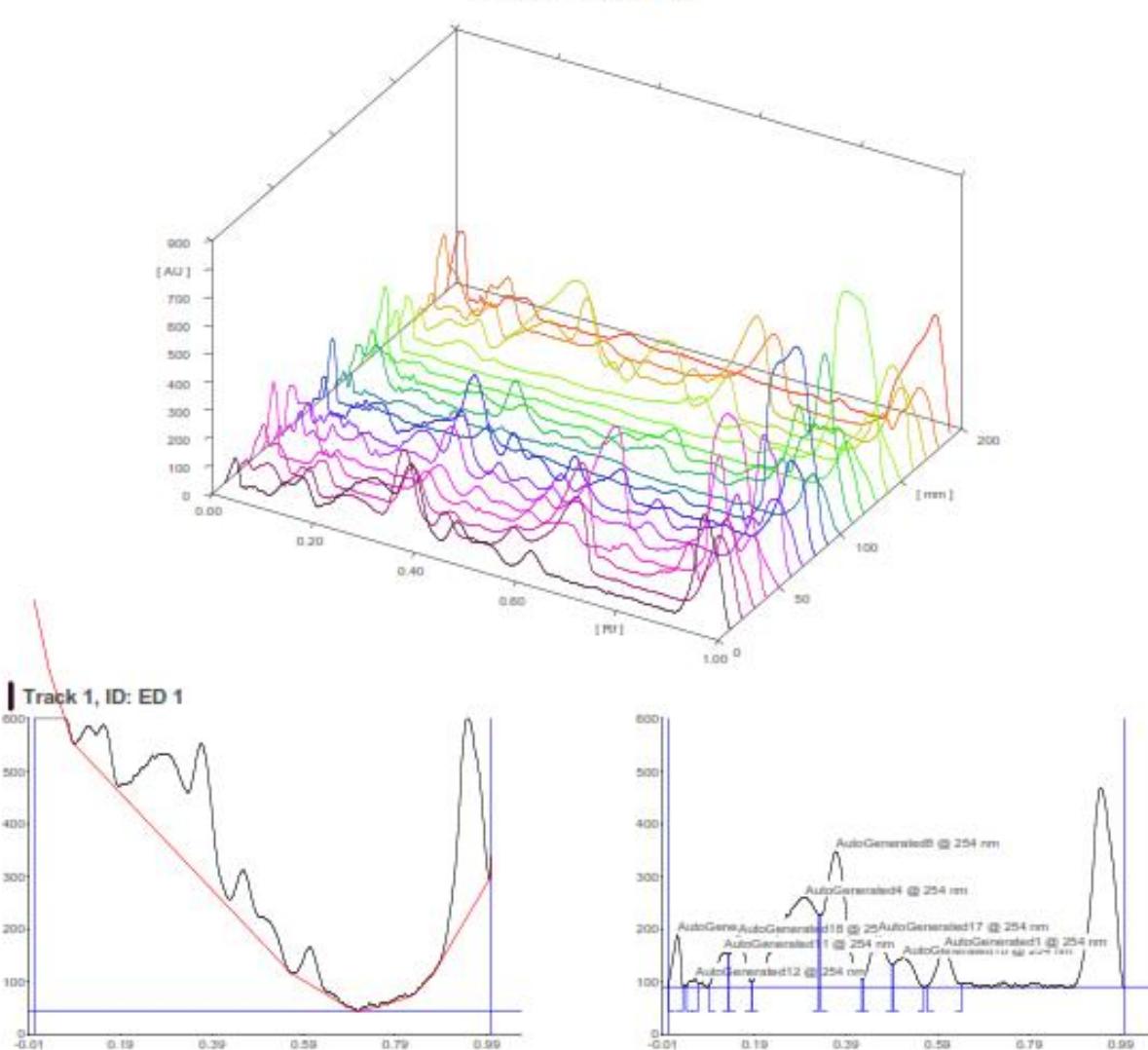
Approved :
 Report ID : 07D5010107050D10

SN 1410W024, V1.4.3
 Page 1 of 26

winCATS Planar Chromatography Manager**Integration****Properties**

Data filtering	Savitsky-Golay 7
Baseline correction	Lowest Slope
Peak threshold min. slope	5
Peak threshold min. height	10 AU
Peak threshold min. area	50
Peak threshold max. height	990 AU
Track start position	11.0 mm
Track end position	94.5 mm
Display scaling	Automatic

All tracks at Wavelength



winCATS Planar Chromatography Manager

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Analysis Report

Method	C:\CAMAG\winCATS\Data\2021\september\E delima\22 sep 254.cme	
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Last modified by	camag	Saturday, January 01, 2005 12:05:24 AM
SOP document		
Validated	Design	
Description :		
Analysis	C:\CAMAG\winCATS\Data\2021\Mei\Satria\20050101-203.cna	
Created/used by	camag	Saturday, January 01, 2005 12:58:40 AM
Current user	camag	

Stationary phase

Executed by	camag	Saturday, January 01, 2005 12:07:58 AM
Plate size (X x Y)	20.0 x 10.0 cm	
Material	HPTLC plates silica gel 60 F 254	
Manufacturer	E. MERCK KGaA	
Batch		
GLP code		
Pre-washing	No	
Modification	No	

Definitions - Screening

Executed by	camag	Saturday, January 01, 2005 12:05:31 AM
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Samples

ED 1
 ED 2
 ED 3
 ED 4
 ED 5
 ED 6
 ED 7
 ED8
 ED9
 ED10
 ED11
 ED12
 ED13
 ED14
 ED15
 ED16

Substance name	Rf	Window size	Manufacturer	Batch number	Expiry date	Product number
AutoGenerated1	0.90	6.000				
AutoGenerated2	0.77	6.200				
AutoGenerated3	0.56	4.100				
AutoGenerated4	0.03	1.600				
AutoGenerated5	0.30	8.600				
AutoGenerated6	0.70	3.500				
AutoGenerated7	0.27	2.500				
AutoGenerated8	0.75	1.500				
AutoGenerated9	0.61	3.200				
AutoGenerated10	0.13	10.400				

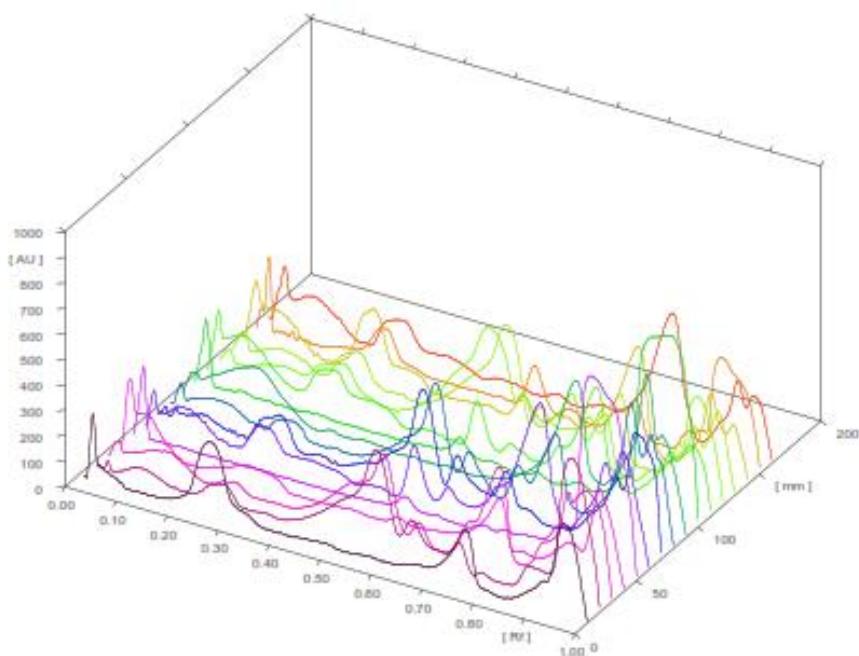
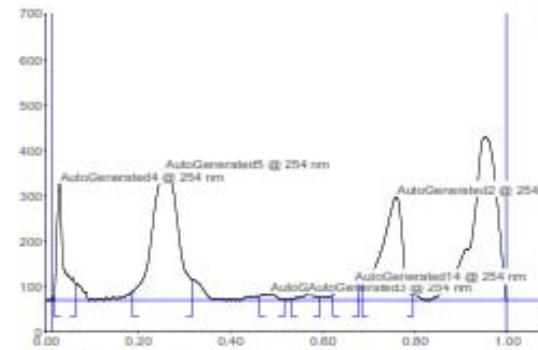
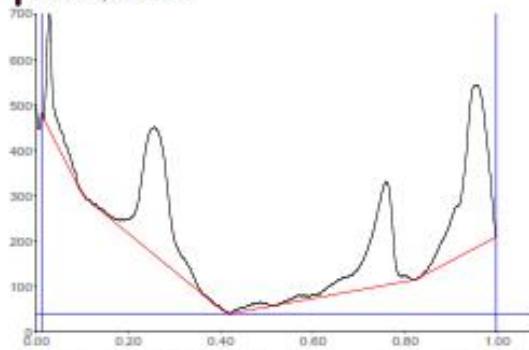
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 Saturday, January 01, 2005 12:59:51 AM

Approved :
 Report ID : 07D5010107003A28

SN 1410W024, V1.4.3
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winCATS Planar Chromatography Manager

All tracks at Wavelength

**Track 1, ID: ED 1**

Peak	Start Rf	Start Height	Max Rf	Max Height	Max %	End Rf	End Height	Area	Area %	Assigned substance
1	0.02	8.8	0.03	255.8	31.01	0.06	36.1	3712.6	11.93	AutoGenerated4
2	0.19	19.0	0.26	281.5	34.12	0.32	45.0	15450.6	49.65	AutoGenerated5
3	0.46	8.7	0.49	13.2	1.60	0.52	1.2	409.0	1.31	AutoGenerated20
4	0.53	2.6	0.57	12.4	1.50	0.60	5.8	428.9	1.38	AutoGenerated3
5	0.62	12.6	0.67	34.5	4.19	0.68	34.4	1217.3	3.91	AutoGenerated14
6	0.69	34.5	0.76	227.6	27.59	0.80	12.2	9902.2	31.82	AutoGenerated2

winCATS Planar Chromatography Manager

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Analysis Report

Method	C:\CAMAG\winCATS\Data\2021\september\E delima\21 sep.2. 366.cme	
Created by	camag	Saturday, January 01, 2005 5:21:14 AM
Last modified by	camag	Saturday, January 01, 2005 5:21:40 AM
SOP document	Design	
Validated	Last saved using Version: WinCATS 1.4.3 by camag at 1/1/2005 5:21:39 AM	
Analysis	C:\CAMAG\winCATS\Data\2021\september\E delima\21 sep.cna	
Created/used by	camag	Saturday, January 01, 2005 4:36:23 AM
Current user	camag	

Stationary phase

Executed by	camag	Saturday, January 01, 2005 3:26:12 AM
Plate size (X x Y)	20.0 x 10.0 cm	
Material	HPTLC plates silica gel 60 F 254	
Manufacturer	E. MERCK KGaA	
Batch		
GLP code		
Pre-washing	No	
Modification	No	

Definitions - Screening

Executed by	camag	Saturday, January 01, 2005 3:21:17 AM
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Samples

ED 1
 ED 2
 ED 3
 ED 4
 ED 5
 ED 6
 ED 7
 ED8
 ED9
 ED10
 ED11
 ED12
 ED13
 ED14
 ED15
 ED16
 ED17
 ED18
 ED19

Substance name	Rf	Window size	Manufacturer	Batch number	Expiry date	Product number
AutoGenerated1	0.93	5.900				
AutoGenerated2	0.86	10.800				
AutoGenerated3	0.81	10.200				
AutoGenerated4	0.34	5.900				
AutoGenerated5	0.89	3.300				
AutoGenerated6	0.41	6.700				

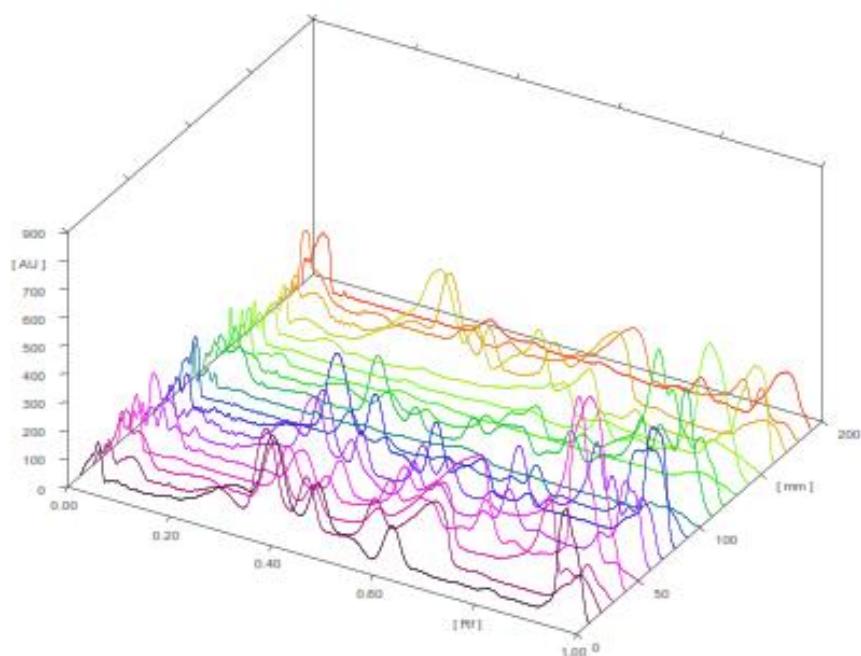
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Approved :
 Report ID : 07D5010107042417

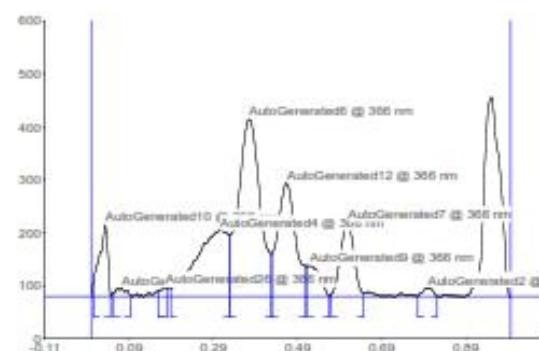
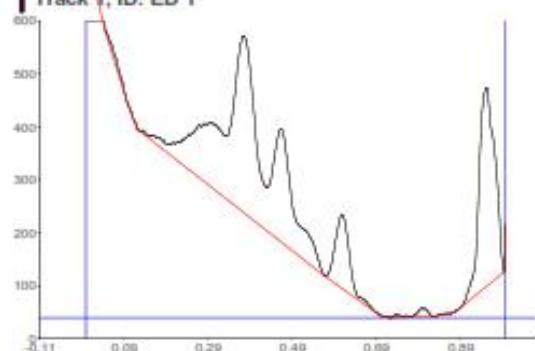
SN 1410W024, V1.4.3
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winCATS Planar Chromatography Manager

All tracks at Wavelength



Track 1, ID: ED 1



Peak	Start Rf	Start Height	Max Rf	Max Height	Max %	End Rf	End Height	Area	Area %	Assigned substance
1	0.01	30.7	0.03	134.6	12.75	0.05	2.3	2644.4	5.87	AutoGenerated10
2	0.05	5.6	0.07	16.1	1.53	0.09	2.6	369.8	0.82	AutoGenerated14
3	0.16	10.1	0.18	17.2	1.63	0.18	14.8	276.9	0.61	AutoGenerated26
4	0.19	14.8	0.31	123.7	11.72	0.33	116.7	9238.1	20.50	AutoGenerated4
5	0.33	116.7	0.38	334.9	31.74	0.43	80.3	17131.4	38.01	AutoGenerated6
6	0.43	80.7	0.47	213.8	20.26	0.51	57.5	8957.5	19.87	AutoGenerated12
7	0.52	57.0	0.52	58.1	5.50	0.57	0.2	1685.5	3.74	AutoGenerated9
8	0.57	4.5	0.61	140.4	13.30	0.65	5.5	4391.7	9.74	AutoGenerated7
9	0.78	0.5	0.80	16.6	1.57	0.83	0.0	374.0	0.83	AutoGenerated2

winCATS Planar Chromatography Manager

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Analysis Report

Method	C:\CAMAG\winCATS\Data\2021\september\E delima\22 sep 366.cme	
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Last modified by	camag	Saturday, January 01, 2005 1:01:43 AM
SOP document		
Validated	Design	
Description :		
Analysis	C:\CAMAG\winCATS\Data\2021\Mei\Satria\20050101-205.cna	
Created/used by	camag	Saturday, January 01, 2005 1:53:46 AM
Current user	camag	

Stationary phase

Executed by	camag	Saturday, January 01, 2005 1:04:15 AM
Plate size (X x Y)	20.0 x 10.0 cm	
Material	HPTLC plates silica gel 60 F 254	
Manufacturer	E. MERCK KGaA	
Batch		
GLP code		
Pre-washing	No	
Modification	No	

Definitions - Screening

Executed by	camag	Saturday, January 01, 2005 1:01:52 AM
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Samples

ED 1
 ED 2
 ED 3
 ED 4
 ED 5
 ED 6
 ED 7
 ED8
 ED9
 ED10
 ED11
 ED12
 ED13
 ED14
 ED15
 ED16

Substance name	Rf	Window size	Manufacturer	Batch number	Expiry date	Product number
AutoGenerated1	0.84	13.000				
AutoGenerated2	0.91	3.600				
AutoGenerated3	0.56	4.200				
AutoGenerated4	0.72	7.000				
AutoGenerated5	0.61	3.200				
AutoGenerated6	0.80	9.600				
AutoGenerated7	0.04	1.600				
AutoGenerated8	0.74	0.500				
AutoGenerated9	0.15	14.000				
AutoGenerated10	0.08	5.100				

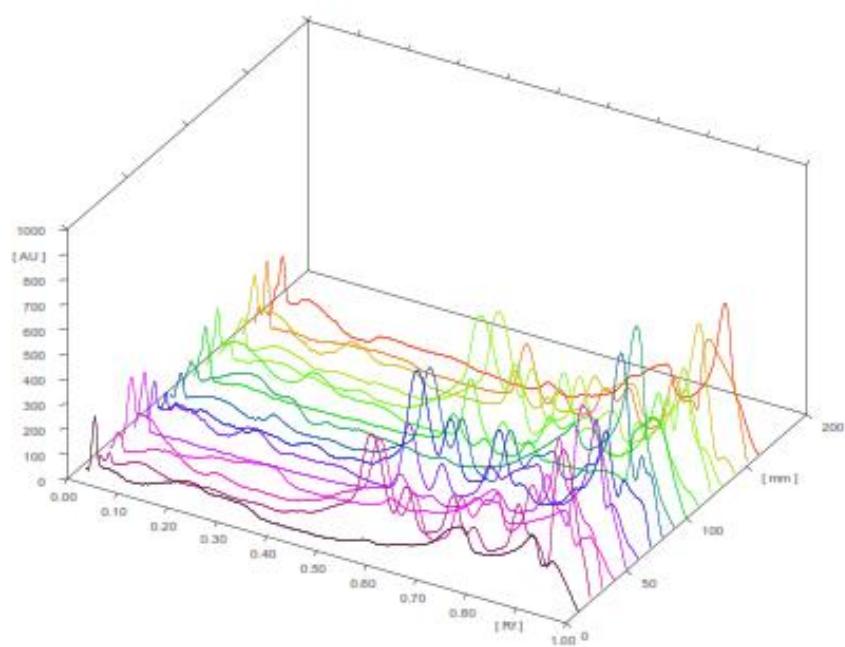
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Approved :
 Report ID : 07D501010701352E

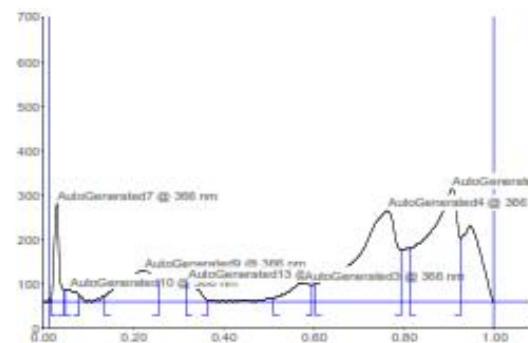
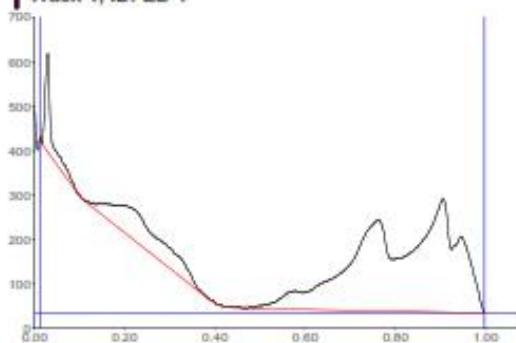
SN 1410W024, V1.4.3
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winCATS Planar Chromatography Manager

All tracks at Wavelength



Track 1, ID: ED 1



Peak	Start Rf	Start Height	Max Rf	Max Height	Max %	End Rf	End Height	Area	Area %	Assigned substance
1	0.02	3.7	0.03	221.7	25.62	0.05	26.4	2289.7	5.02	AutoGenerated7
2	0.05	26.7	0.06	28.4	3.28	0.08	14.1	652.0	1.43	AutoGenerated10
3	0.14	11.4	0.23	69.9	8.08	0.26	46.3	4923.5	10.80	AutoGenerated9
4	0.32	42.3	0.32	43.6	5.04	0.37	2.6	1143.4	2.51	AutoGenerated13
5	0.51	8.1	0.58	42.2	4.87	0.60	37.3	1990.1	4.37	AutoGenerated3
6	0.60	40.0	0.77	204.7	23.66	0.79	116.8	17971.9	39.42	AutoGenerated4
7	0.81	119.7	0.91	254.7	29.44	0.93	142.2	16617.3	36.45	AutoGenerated1