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LAMPIRAN 1

DATA HASIL VERIFIKASI

Tabel VII. 1
Data Hasil Verifikasi Oksitetrasiklin dengan Pelarut Metanol-Kloroform

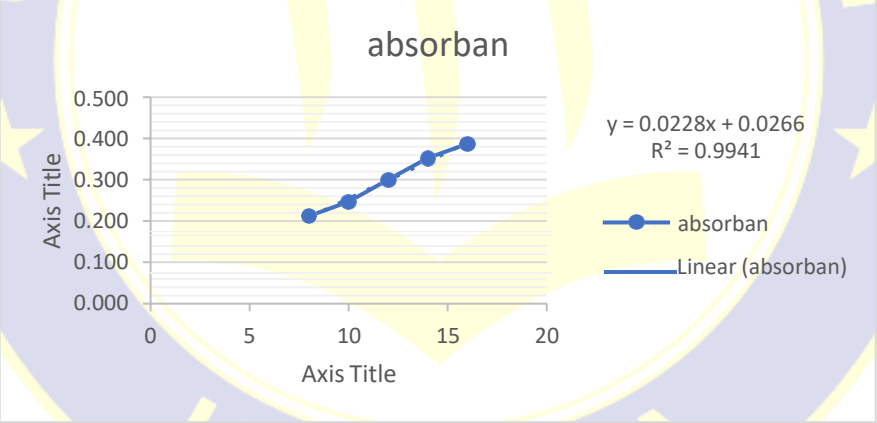
Parameter	Hasil Pengujian	Syarat	Kesimpulan
Linieritas	0,9941	$R^2 = 1$	Sesuai
Presisi	0,0075	RSD < 2	Sesuai
Akurasi	98,605	98-102%	Sesuai
LOD	0,848	Rendah	Sesuai
LOQ	2,827	Rendah	Sesuai

LAMPIRAN 2

DATA HASIL LINIERITAS

Tabel VII. 2
Data Linieritas Oksitetrasiklin dengan Pelarut Metanol-Kloroform

Konsetrasi (ppm)	Absorban
8	**0,217**
10	**0,247**
12	**0,300**
14	**0,352**
16	**0,387**



Gambar VII. 1 Kurva kalibrasi linieritas

LAMPIRAN 3

DATA HASIL PRESISI

Tabel VII. 3
Data Presisi Oksitetrasiklin dengan Pelarut Metanol-Kloroform

Konsentrasi	Absorban	X	X^2
12,0	0,299	11,947	142,740
12,0	0,306	12,254	150,170
12,0	0,309	12,386	153,412
12,0	0,312	12,518	156,689
12,0	0,293	11,684	136,521
12,0	0,305	12,211	149,097
Σ		73,000	888,628
rata-rata		12,167	148,105

Diperoleh kurva kalibrasi y = bx + a

y = 0,0228x + 0,0266

$$SD = \frac{n.\Sigma x^2 - (\Sigma x)^2}{n(n-1)}$$

$$SD = \frac{6.888,628(73,000)^2}{6.(6-1)} = \frac{5.331,7701 - 5.329}{30} = 0,0923$$

$$\%RSD = \frac{SD}{x} \times 100\%$$

$$= \frac{0,0923}{12,167} \times 100\% = 0,0075\%$$

$$\% \text{ ketelitian alat} = 100\% - \frac{SD}{x}$$

$$= 100\% - \frac{0,0923}{12,167} = 99,24\%$$

LAMPIRAN 4

DATA HASIL AKURASI

Tabel VII. 4
Data Akurasi Oksitetrasiklin dengan Pelarut Metanol-Kloroform

Konsentrasi	Absorban	C sebenarnya	%recovery
9,6	0,229	9,466165414	98,60589
12	0,3	12,39849624	103,3208
14,4	0,371	14,80451128	102,80911

9,6 ppm

C sebenarnya = $\frac{0,229 + 0,0266}{0,0228}$ = 9,466

% recovery = $\frac{9,466}{9,6}$ x 100% = 98,605 %

12 ppm

C sebenarnya = $\frac{0,307 + 0,0266}{0,0228}$ = 12,399

% recovery = $\frac{12,399}{12}$ x 100% = 103,32%

14,4 ppm

C sebenarnya = $\frac{0,371 + 0,0266}{0,0228}$ = 14,805

% recovery = $\frac{14,805}{14,4}$ x 100% = 102,809 %

LAMPIRAN 5

DATA HASIL LOD DAN LOQ

Tabel VII. 5
Data LOD dan LOQ Oksitetrasiklin dengan Pelarut Metanol-Kloroform

Konsentrasi (ppm)	y	yi	y-yi	$(y-yi)^2$
8	0,212	0,209	0,003	0,00001
10	0,247	0,2546	-0,0076	0,00006
12	0,3	0,3002	-0,0002	0,00000
14	0,352	0,3458	0,0062	0,00004
16	0,387	0,3914	-0,0044	0,00002
Σ		1,501	-0,003	0,00012
rata-rata		0,3002	-0,0006	0,00002
SB		0,0064		
LOD		0,848		
LOQ		2,827		

Diperoleh kurva kalibrasi y = bx + a

y = 0,0228x + 0,0266

SB = $\sqrt{\frac{\Sigma\,(y-yi)^2}{n-2}} = \sqrt{\frac{0,00012}{5-2}}$ **= 0,0064**

LOD = $\frac{3\,x\,SB}{slope} = \frac{3\,x\,0,0064}{0,0228}$ **= 0,848 ppm**

LOQ = $\frac{10\,x\,SB}{slope} = \frac{10\,x\,0,0064}{0,0228}$ **= 2,827 ppm**

LAMPIRAN 6

SINTESIS DAN EKSTRAKSI PTM DAN PTTM

Tabel VII. 6
Hasil Sintesis PTM dan PTTM

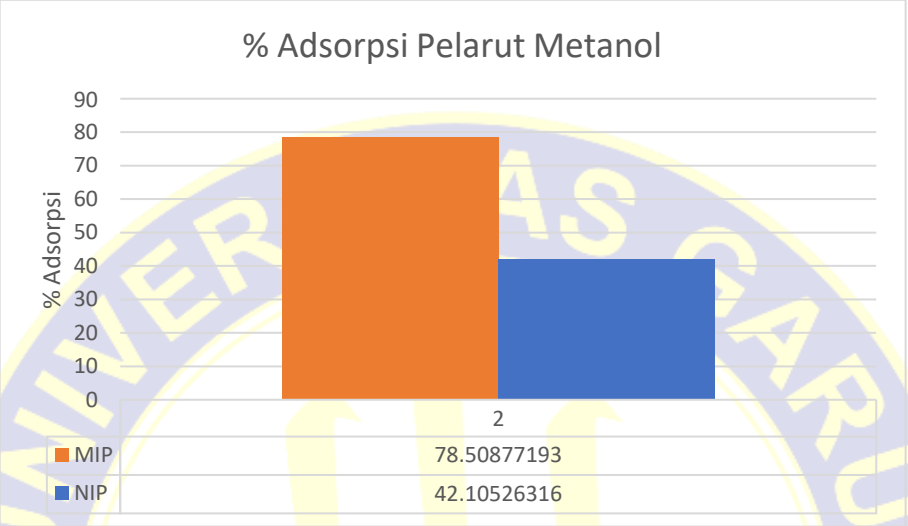
Polimer	Massa (gram)
PTM	9,822
PTTM	5,427

Tabel VII. 7
Hasil Pengukuran Ekstraksi Cetakan PTM

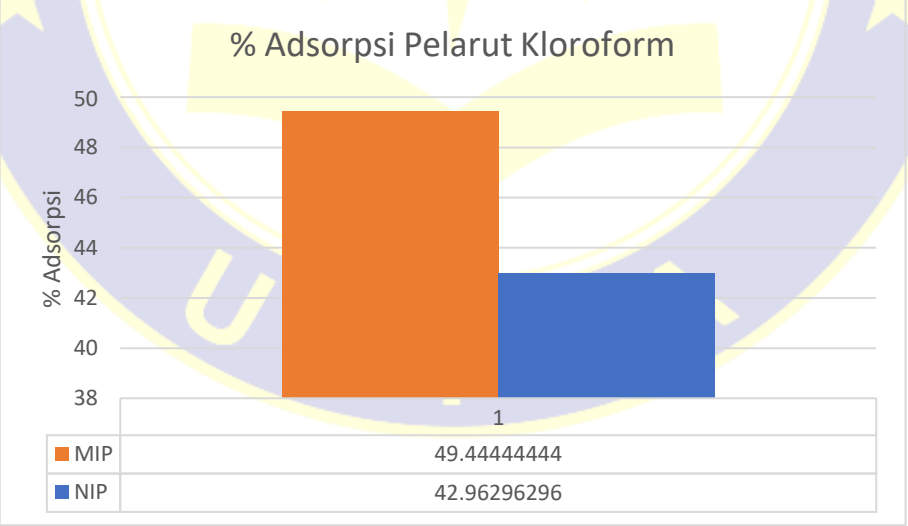
Jam ke-	Absorban
24 jam ke 1	2.978
24 jam ke 2	0.232
24 jam ke 3	0.115
24 jam ke 4	0.003

LAMPIRAN 7

HASIL EVALUASI UJI KEMAMPUAN PADA BERBAGAI PELARUT

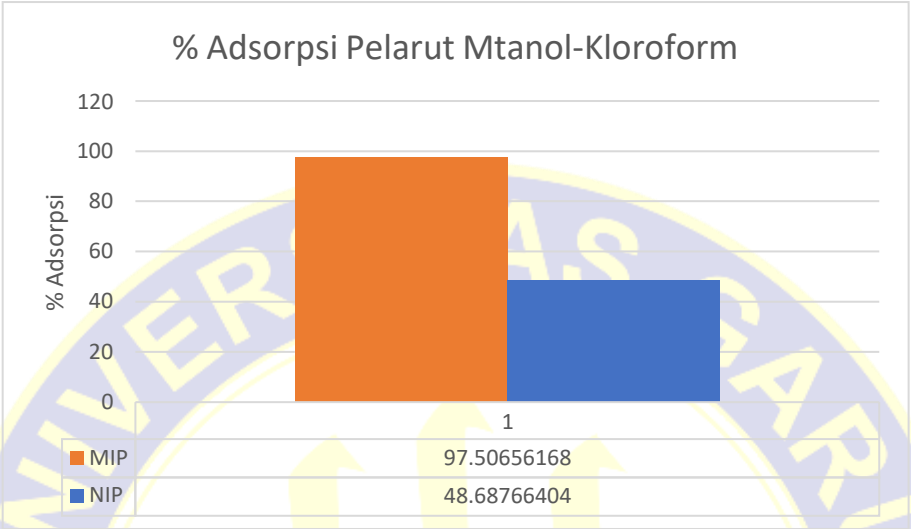


Gambar VII. 2 Uji kemampuan adsorpsi pada pelarut metanol



Gambar VII. 3 Uji kemampuan adsorpsi pada pelarut kloroform

LAMPIRAN 7
(LANJUTAN)



Gambar VII. 4 Uji kemampuan adsorpsi pada pelarut metanol-kloroform

LAMPIRAN 8

HASIL EVALUASI UJI KAPASITAS ADSORPSI

Tabel VII. 8
Uji Kapasitas Adsorpsi PTM Oksitetrasiklin

Konsentrasi (ppm)	F (mg/L)	B (mg/g)	Log F	Log B
8 ppm	6,468677494	6,125290023	0,810815499	0,787126657
10 ppm	8,121085595	7,51565762	0,909614088	0,875966987
12 ppm	9,647463457	9,410146174	0,984413142	0,97359637

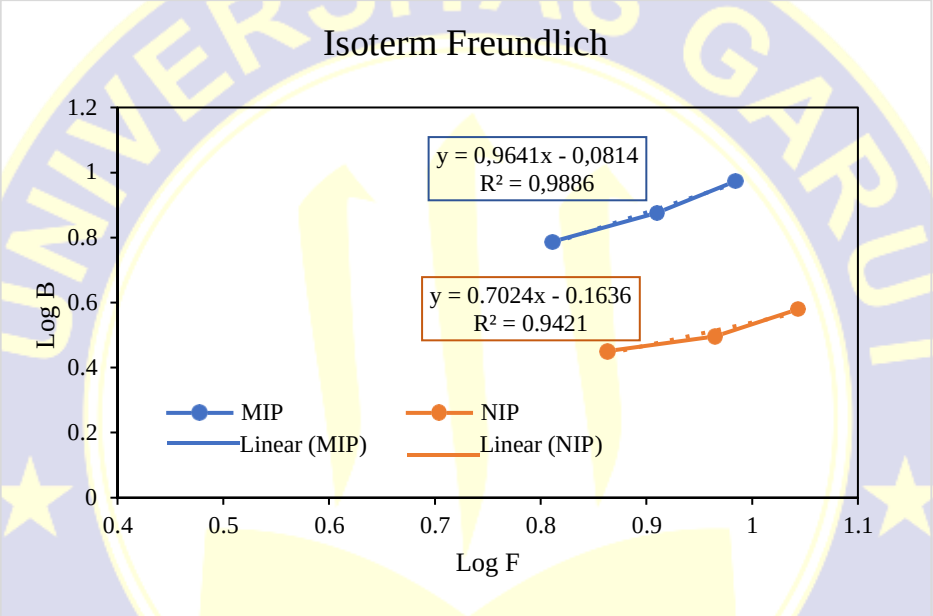
Log a	a	1/n	n	R2
-0,0814	0,829086799	0,9641	1,037236801	0,9886

Tabel VII. 9
Uji Kapasitas Adsorpsi PTTM Oksitetrasiklin

Konsentrasi (ppm)	F (mg/L)	B (mg/g)	Log F	Log B
8 ppm	7,294663573	2,821345708	0,863005267	0,450456305
10 ppm	9,217118998	3,131524008	0,964595194	0,495755746
12 ppm	11,05073087	3,797076526	1,043391002	0,57944935

LAMPIRAN 8
(LANJUTAN)

Log a	A	1/n	n	R2
-0,1636	0,686119875	0,7024	1,423690205	0,9421



Gambar VII. 5 Kurva Isoterm Freundlich uji kapasitas adsorpsi PTM dan PTTM

LAMPIRAN 9

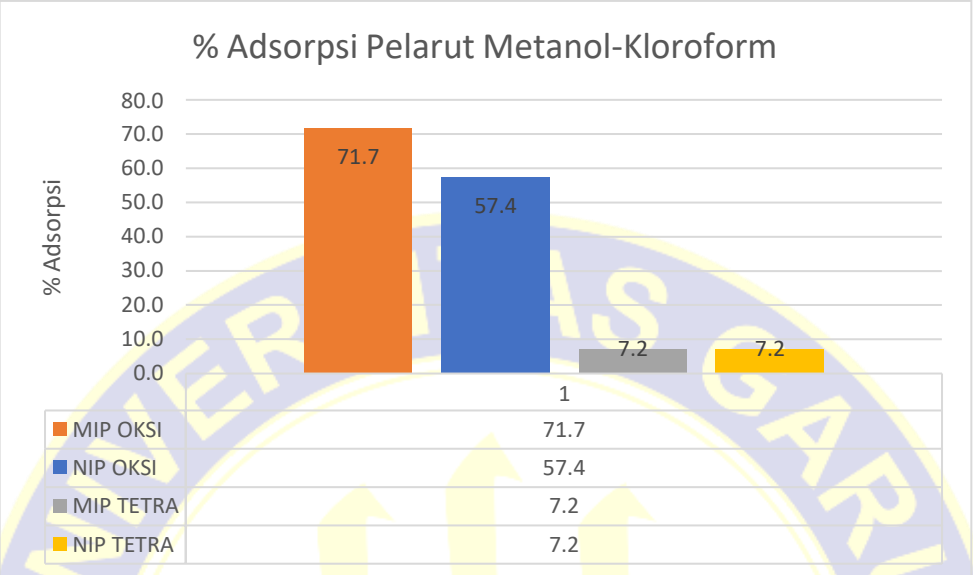
HASIL EVALUASI UJI SELEKTIVITAS PTM OKSITETRASIKLIN DAN TETRASIKLIN

Tabel VII. 10
Uji Selektivitas PTM Oksitetrasiklin dan Tetrasiklin

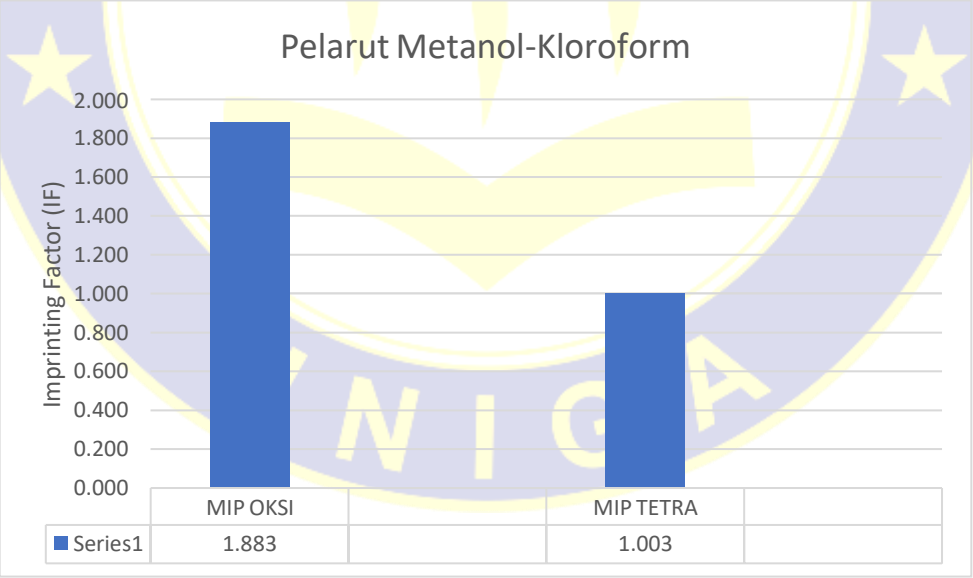
100,000			A Sebelum	C (Ci) Sebelum	A Sesudah	C (Cf) Sesudah	ΔC (Ci-Cf)
a	0,095	MIP OKSI	0,375	5,732	0,174	1,622	4,110
b	0,049	NIP OKSI	0,520	8,697	0,276	3,708	4,990
r^2	0,997	MIP TETRA	0,428	6,816	0,404	6,325	0,491
m (mg)	20,000	NIP TETRA	0,401	6,264	0,379	5,814	0,450

% Adsorbsi	KD	Sorben	(IF) Imprinting Faktor	KD
71,709	1,267	MIP OKSI	1,883	1,267
57,371	0,673			0,673
7,201	0,039	MIP TETRA	1,003	0,039
7,183	0,039			0,039

LAMPIRAN 9
(LANJUTAN)



Gambar VII. 6 Kurva % adsorpsi dalam pelarut Metanol + Kloroform



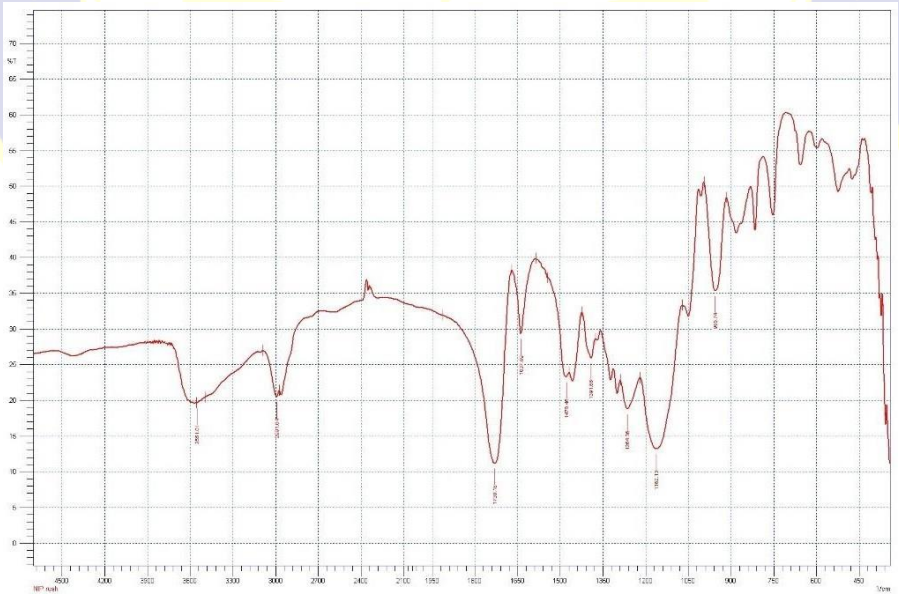
Gambar VII. 7 Kurva nilai imprinting factor

LAMPIRAN 10

HASIL KARAKTERISASI FTIR

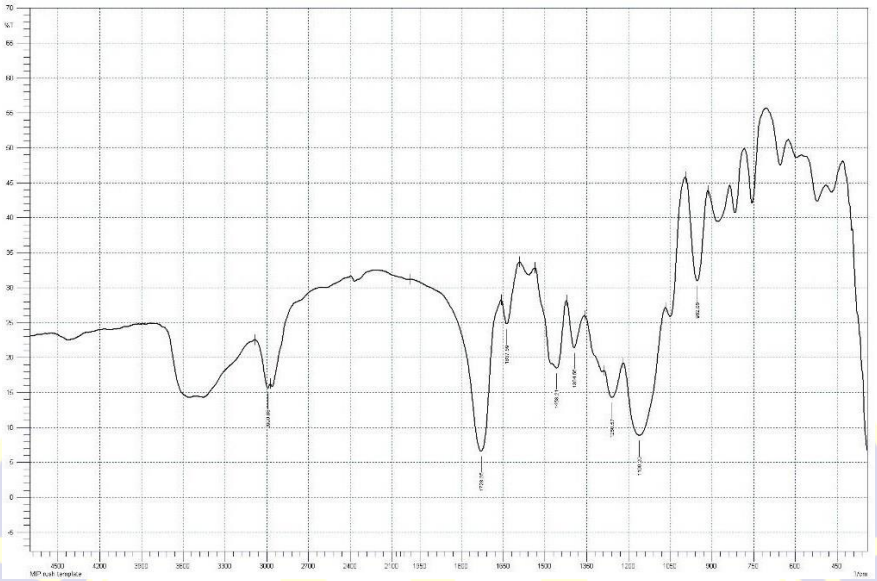
Tabel VII.11
Bilangan Gelombang cm^{-1}

PTM Sebelum Ekstraksi	PTTM Sesudah Ekstraksi	NIP	Gugus Fungsi
3427	3420	3551	O-H
1728.25	1725.36	-	C=C
1637.59	1637.59	1637.59	C=O
1458.21	1456.28	1478.46	C-H
1394.56	1390.70	1391.66	C-H
1258.57	1299.08	1264.36	C-N
1160.20	-	1162.13	C-O
952.85	952.86	955.74	C-H



Gambar VII. 8 Hasil IR PTTM

LAMPIRAN 10
(LANJUTAN)



Gambar VII. 9 Hasil IR PTM

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2. SMKN 1 Garut (2018-2020)

- **Pengalaman Organisasi**
  - ✓ Karate

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- **Pengalaman Organisasi**

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