

LAMPIRAN

Lampiran 1 : Data dan analisis data pemeriksaan toksisitas akut

	toksik	hati	ginjal
1	1	15.00	12.50
2	1	17.00	13.00
3	1	13.00	11.50
4	1	13.50	9.50
5	1	16.00	9.50
6	1	15.00	10.50
7	1	16.00	9.00
8	1	15.50	10.00
9	1	16.50	12.50
10	1	12.50	9.50
11	2	15.00	11.50
12	2	12.00	10.00
13	2	17.50	12.00
14	2	12.00	9.50
15	2	15.50	10.00
16	2	17.50	12.50
17	2	17.50	8.50
18	2	14.50	11.00
19	2	12.50	10.00
20	2	14.50	14.00
21	3	15.00	8.00
22	3	11.00	9.50
23	3	16.50	9.50
24	3	17.00	11.50
25	3	15.00	10.50
26	3	16.50	9.50
27	3	14.00	11.50
28	3	15.00	11.00
29	3	12.50	13.50
30	3	18.00	12.50

	toksik	hati	ginjal
31	4	14.00	11.50
32	4	14.50	11.00
33	4	11.50	12.00
34	4	17.00	9.00
35	4	16.50	9.00
36	4	17.00	12.00
37	4	16.50	11.00
38	4	15.00	10.50
39	4	15.50	9.50
40	4	14.50	12.50

- - Description of Subpopulations - -

Summaries of HATI ukuran sel hepar toksik
By levels of TOKSIK kelompok perlakuan toksikologi

Variable	Value	Label	Mean	Std Dev	Cases
TOKSIK	1	kontrol	15.0000	1.5275	10
TOKSIK	2	pe 67,5 mg	14.8500	2.1991	10
TOKSIK	3	pe 135 mg	15.0500	2.1272	10
TOKSIK	4	pe 270 mg	15.2000	1.7029	10

- - Description of Subpopulations - -

Summaries of GINJAL ukuran sel glomerulus toksik
By levels of TOKSIK kelompok perlakuan toksikologi

Variable	Value	Label	Mean	Std Dev	Cases
TOKSIK	1	kontrol	10.7500	1.4954	10
TOKSIK	2	pe 67,5 mg	10.9000	1.6296	10
TOKSIK	3	pe 135 mg	10.7000	1.6364	10
TOKSIK	4	pe 270 mg	10.8000	1.2737	10

----- ONEWAY -----

Variable GINJAL ukuran sel glomerulus toksik
By Variable TOKSIK kelompok perlakuan toksikologi

Analysis of Variance

Source	D.F.	Sum of Squares	Mean Squares	F Ratio	F Prob.
Between Groups	3	.2187	.0729	.0317	.9923
Within Groups	36	82.7250	2.2979		
Total	39	82.9437			

----- ONEWAY -----

Variable HATI ukuran sel hepar toksik
By Variable TOKSIK kelompok perlakuan toksikologi

Analysis of Variance

Source	D.F.	Sum of Squares	Mean Squares	F Ratio	F Prob.
Between Groups	3	.6250	.2083	.0571	.9818
Within Groups	36	131.3500	3.6486		
Total	39	131.9750			

***** Analysis of Variance *****

EFFECT .. TOKSIK

Multivariate Tests of Significance

Test Name	Value	Approx. F	Hypoth. DF	Error DF	Sig. of F
Hotellings	.00761	.04312	6.00	68.00	1.000

EFFECT .. TOKSIK (Cont.)

Univariate F-tests

Variable	Hypoth. SS	Error SS	Hypoth. MS	Error MS	F	Sig. of F
HATI	.62500	131.35000	.20833	3.64861	.05710	.982
GINJAL	.21875	82.72500	.07292	2.29792	.03173	.992

Lampiran 2 : Data dan analisis data pemeriksaan karsinogenisitas

	karsinog	mikrosk	makrosk
1	1	2	2
2	1	2	2
3	1	2	2
4	1	2	2
5	1	2	2
6	1	2	2
7	1	2	2
8	1	2	2
9	1	2	2
10	1	2	2
11	2	2	2
12	2	2	2
13	2	2	2
14	2	2	2
15	2	2	2
16	2	2	2
17	2	2	2
18	2	2	2
19	2	2	2
20	2	2	2
21	3	2	2
22	3	2	2
23	3	2	2
24	3	2	2
25	3	2	2
26	3	2	2
27	3	2	2
28	3	2	2
29	3	2	2
30	3	2	2

	karsinog	mikrosk	makrosk
31	4	2	2
32	4	2	2
33	4	2	2
34	4	2	2
35	4	2	2
36	4	2	2
37	4	2	2
38	4	2	2
39	4	2	2
40	4	2	2
41	5	2	2
42	5	2	2
43	5	2	1
44	5	1	1
45	5	2	2
46	5	2	2
47	5	2	2
48	5	1	1
49	5	2	1
50	5	2	1

- - - - - Kruskal-Wallis 1-Way Anova

MIKROSK	mikroskopik kar.in vivo		
by TOKSIK	kelompok perlakuan toksikolog		
Mean Rank	Cases		
28.00	10	TOKSIK = 1	kontrol
28.00	10	TOKSIK = 2	pe 67,5 mg
28.00	10	TOKSIK = 3	pe 135 mg
28.00	10	TOKSIK = 4	pe 270 mg
15.50	10	TOKSIK = 5	ra 67,5 mg

Chi-Square	D.F.	Significance
8.1667	4	.0857

- - - - - Kruskal-Wallis 1-Way Anova

MAKROSK	makroskopik kar.in vivo		
by TOKSIK	kelompok perlakuan toksikologi		
Mean Rank	Cases		
26.50	10	TOKSIK = 1	kontrol
26.50	10	TOKSIK = 2	pe 67,5 mg
26.50	10	TOKSIK = 3	pe 135 mg
26.50	10	TOKSIK = 4	pe 270 mg
21.50	10	TOKSIK = 5	ra 67,5 mg

Chi-Square	D.F.	Significance
21.7778	4	.0002

Lampiran 3 : Data dan analisis data pemeriksaan teratogenisitas (janin usia 14 hari)

	terato14	jumjanin	beratj	diametj
2	1	5	.63	7
3	1	6	.59	11
4	1	3	.60	13
5	1	6	.61	12
6	1	10	.57	9
7	1	9	.59	10
8	1	11	.61	9
9	1	8	.59	11
10	1	7	.58	9
11	2	10	.61	10
12	2	6	.59	10
13	2	9	.59	8
14	2	10	.62	11
15	2	8	.60	9
16	2	8	.56	12
17	2	9	.61	11
18	2	6	.59	9
19	2	10	.62	9
20	2	9	.57	11
21	3	6	.59	16
22	3	6	.61	15
23	3	11	.60	14
24	3	10	.57	14
25	3	9	.58	11
26	3	8	.60	12
27	3	9	.59	9
28	3	11	.57	10
29	3	11	.58	9
30	3	8	.62	11

- - Description of Subpopulations - -

Summaries of DIAMETJ diameter janin - terato
By levels of TERATO14 kelompok perlakuan h-14 janin/terato

Variable	Value	Label	Mean	Std Dev	Cases
TERATO14	1	kontrol	9.9000	1.8529	10
TERATO14	2	p1-pemberian h1	10.0000	1.2472	10
TERATO14	3	p2-pemberian h9	12.1000	2.5144	10

Rerata dan simpang baku jumlah janin usia 14 hari setelah pemberian poliester EBP-2421

- - Description of Subpopulations - -

Summaries of JUMJANIN jumlah janin - terato
By levels of TERATO14 kelompok perlakuan h-14 janin/terato

Variable	Value	Label	Mean	Std Dev	Cases
TERATO14	1	kontrol	7.5000	2.3688	10
TERATO14	2	p1-pemberian h1	8.5000	1.5092	10
TERATO14	3	p2-pemberian h9	8.9000	1.9120	10

Rerata dan simpang baku berat janin usia 14 hari setelah mendapat poliester EBP-2421

- - Description of Subpopulations - -

Summaries of BERATJ berat janin - terato
By levels of TERATO14 kelompok perlakuan h-14 janin/terato

Variable	Value	Label	Mean	Std Dev	Cases
TERATO14	1	kontrol	.5990	.0185	10
TERATO14	2	p1-pemberian h1	.5960	.0201	10
TERATO14	3	p2-pemberian h9	.5910	.0166	10

Analisis manova terhadap jumlah janin, berat janin dan diameter janin usia 14 hari

* * * * * A n a l y s i s o f V a r i a n c e -- design 1 * * * * *

EFFECT .. TERATO14
Multivariate Tests of Significance

Test Name	Value	Approx. F	Hypoth. DF	Error DF	Sig. of F	Pillais
Hotellings	.55733	2.22931	6.00	48.00	.056	

EFFECT .. TERATO14 (Cont.)
Univariate F-tests

Variable	Hypoth. SS	Error SS	Hypoth. MS	Error MS	F	Sig. of F
DIAMETJ	30.86667	101.80000	15.43333	3.77037	4.09332	.028
BERATJ	.00033	.00922	.00016	.00034	.47831	.625
JUMJANIN	10.40000	103.90000	5.20000	3.84815	1.35130	.276

- - - - - O N E W A Y - - - - -

Variable BERATJ berat janin - terato
By Variable TERATO14 kelompok perlakuan h-14 janin/terato

Analysis of Variance

Source	D.F.	Sum of Squares	Mean Squares	F Ratio	F Prob.
Between Groups	2	.0003	.0002	.4783	.6250
Within Groups	27	.0092	.0003		
Total	29	.0095			

Analisis varian satu jalan terhadap diameter janin usia 14 hari

- - - - - O N E W A Y - - - - -

Variable DIAMETJ diameter janin - terato
By Variable TERATO14 kelompok perlakuan h-14 janin/terato

Analysis of Variance

Source	D.F.	Sum of Squares	Mean Squares	F Ratio	F Prob.
Between Groups	2	30.8667	15.4333	4.0933	.0280
Within Groups	27	101.8000	3.7704		
Total	29	132.6667			

Analisis varian satu jalan terhadap jumlah janin usia 14 hari

- - - - - O N E W A Y - - - - -

Variable JUMJANIN jumlah janin - terato
By Variable TERATO14 kelompok perlakuan h-14 janin/terato

Analysis of Variance

Source	D.F.	Sum of Squares	Mean Squares	F Ratio	F Prob.
Between Groups	2	10.4000	5.2000	1.3513	.2759
Within Groups	27	103.9000	3.8481		
Total	29	114.3000			

Lampiran 4 : Data dan analisis data pemeriksaan teratogenisitas (janin usia 20 hari)

	terato20	jumanak	beratan	panjan
1	1	6	2.78	31.00
2	1	8	3.05	36.00
3	1	9	2.94	28.00
4	1	5	2.06	39.00
5	1	8	2.91	38.00
6	1	6	3.01	40.00
7	1	7	2.99	38.00
8	1	5	2.90	41.00
9	1	9	3.10	39.00
10	1	8	3.11	38.00
11	2	9	2.97	31.00
12	2	7	3.10	41.00
13	2	10	2.86	35.00
14	2	8	3.08	38.00
15	2	4	2.87	40.00
16	2	5	3.92	38.00
17	2	6	3.86	39.00
18	2	9	2.90	40.00
19	2	6	3.01	36.00
20	2	5	3.10	39.00
21	3	4	3.53	40.00
22	3	7	2.91	36.00
23	3	10	3.00	29.00
24	3	3	3.51	41.00
25	3	7	3.14	31.00
26	3	10	3.23	30.00
27	3	8	2.90	39.00
28	3	9	3.10	31.00
29	3	11	3.00	35.00
30	3	6	3.24	29.00

Rerata dan simpang baku berat anak tikus usia 20 hari

- - Description of Subpopulations - -

Summaries of BERATAN berat anak - terato
By levels of TERATO20 kelompok perlakuan h-20 anak

Variable	Value	Label	Mean	Std Dev	Cases
TERATO20	1	kontrol	2.8855	.3066	10
TERATO20	2	p1-pemberian h1	3.1670	.3917	10
TERATO20	3	p2-pemberian h6	3.1560	.2251	10

Rerata dan simpang baku jumlah anak tikus usia 20 hari

- - Description of Subpopulations - -

Summaries of JUMANAK jumlah anak - terato
By levels of TERATO20 kelompok perlakuan h-20 anak

Variable	Value	Label	Mean	Std Dev	Cases
TERATO20	1	kontrol	7.1000	1.5239	10
TERATO20	2	p1-pemberian h1	7.1000	2.0248	10
TERATO20	3	p2-pemberian h6	7.5000	2.6352	10

Rerata dan simpang baku panjang anak tikus usia 20 hari

- - Description of Subpopulations - -

Summaries of PANJAN panjang anak - terato
By levels of TERATO20 kelompok perlakuan h-20 anak

Variable	Value	Label	Mean	Std Dev	Cases
TERATO20	1	kontrol	36.8000	4.1312	10
TERATO20	2	p1-pemberian h1	37.7000	2.9833	10
TERATO20	3	p2-pemberian h6	34.1000	4.7011	10

Analisis manova terhadap jumlah anak, panjang anak dan berat anak tikus usia 20 hari

***** Analysis of Variance *****

EFFECT .. TERATO20

Multivariate Tests of Significance

Test Name	Value	Approx. F	Hypoth. DF	Error DF	Sig. of F
Hotellings	.39491	1.57962	6.00	48.00	.174

EFFECT .. TERATO20 (Cont.)

Univariate F-tests

Variable	Hypoth. SS	Error SS	Hypoth. MS	Error MS	F	Sig. of F
JUMANAK	1.06667	120.30000	.53333	4.45556	.11970	.888
BERATAN	.50845	2.68314	.25422	.09938	2.55820	.096
PANJAN	70.20000	432.60000	35.10000	16.02222	2.19071	.131

----- ONEWAY -----

Variable BERATAN berat anak - terato
By Variable TERATO20 kelompok perlakuan h-20 anak

Analysis of Variance

Source	D.F.	Sum of Squares	Mean Squares	F Ratio	F Prob.
Between Groups	2	.5084	.2542	2.5582	.0961
Within Groups	27	2.6831	.0994		
Total	29	3.1916			

Analisis varian satu jalan terhadap jumlah anak tikus usia 20 hari

----- ONEWAY -----

Variable JUMANAK jumlah anak - terato
By Variable TERATO20 kelompok perlakuan h-20 anak

Analysis of Variance

Source	D.F.	Sum of Squares	Mean Squares	F Ratio	F Prob.
Between Groups	2	1.0667	.5333	.1197	.8877
Within Groups	27	120.3000	4.4556		
Total	29	121.3667			

Analisis varian satu jalan terhadap panjang badan anak tikus usia 20 hari

----- ONEWAY -----

Variable PANJAN panjang anak - terato
By Variable TERATO20 kelompok perlakuan h-20 anak

Analysis of Variance

Source	D.F.	Sum of Squares	Mean Squares	F Ratio	F Prob.
Between Groups	2	70.2000	35.1000	2.1907	.1313
Within Groups	27	432.6000	16.0222		
Total	29	502.8000			

Lampiran 5 : Data dan analisis data pemeriksaan hipersensitivitas kontak

	hipers	awal	dua	tiga
1	1	.31	.31	.31
2	1	.31	.31	.31
3	1	.35	.35	.35
4	1	.33	.33	.33
5	1	.30	.30	.30
6	1	.33	.33	.33
7	1	.33	.33	.33
8	1	.31	.31	.31
9	1	.32	.32	.32
10	1	.30	.30	.30
11	2	.30	.30	.30
12	2	.34	.34	.34
13	2	.32	.32	.32
14	2	.30	.30	.30
15	2	.29	.29	.29
16	2	.33	.33	.33
17	2	.33	.33	.33
18	2	.31	.31	.32
19	2	.34	.34	.34
20	2	.34	.34	.34
21	3	.32	.32	.32
22	3	.33	.33	.33
23	3	.33	.34	.34
24	3	.34	.34	.34
25	3	.30	.30	.30
26	3	.32	.32	.32
27	3	.32	.32	.32
28	3	.36	.36	.36
29	3	.31	.31	.31
30	3	.33	.33	.33

Rerata dan simpang baku tebal daun telinga tikus sebelum perlakuan

- - Description of Subpopulations - -

Summaries of AWAL tebal telinga awal - alergi
By levels of HIPERS kelompok alergi

Variable	Value	Label	Mean	Std Dev	Cases
HIPERS	1	kontrol	.3190	.0160	10
HIPERS	2	p1-salep pe	.3200	.0189	10
HIPERS	3	a-salep a	.3260	.0165	10

Rerata dan simpang baku tebal daun telinga tikus hari ke 2 setelah perlakuan

- - Description of Subpopulations - -

Summaries of DUA tebal telinga 2 hari setelah perlakuan-a
By levels of HIPERS kelompok alergi

Variable	Value	Label	Mean	Std Dev	Cases
HIPERS	1	kontrol	.3190	.0160	10
HIPERS	2	p1-salep pe	.3200	.0189	10
HIPERS	3	a-salep a	.3270	.0170	10

Rerata dan simpang baku tebal daun telinga tikus 3 hari setelah perlakuan

- - Description of Subpopulations - -

Summaries of TIGA tebal telinga 3 hari setelah perlakuan-al
By levels of HIPERS kelompok alergi

Variable	Value	Label	Mean	Std Dev	Case
HIPERS	1	kontrol	.3190	.0160	10
HIPERS	2	p1-salep pe	.3210	.0185	10
HIPERS	3	a-salep a	.3270	.0170	10

Hasil analisis manova terhadap tebal daun telinga tikus sebelum dan sesudah perlakuan

***** Analysis of Variance -- design 1*****

EFFECT .. HIPERS

Multivariate Tests of Significance

Test Name	Value	Approx. F	Hypoth. DF	Error DF	Sig. of F
Hotellings	.17686	.70742	6.00	48.00	.645

EFFECT .. HIPERS (Cont.)

Univariate F-tests

Variable	Hypoth. SS	Error SS	Hypoth. MS	Error MS	F	Sig. of F
AWAL	.00029	.00793	.00014	.00029	.48802	.619
DUA	.00038	.00810	.00019	.00030	.63333	.539
TIGA	.00035	.00799	.00017	.00030	.58573	.564

Analisis varian satu jalan terhadap tebal daun telinga tikus sebelum perlakuan

----- ONEWAY -----

Variable AWAL tebal telinga awal - alergi
By Variable HIPERS kelompok alergi

Analysis of Variance

Source	D.F.	Sum of Squares	Mean Squares	F Ratio	F Prob.
Between Groups	2	.0003	.0001	.4880	.6192
Within Groups	27	.0079	.0003		
Total	29	.0082			

Analisis varian satu jalan terhadap tebal daun telinga tikus 2 hari setelah perlakuan

----- ONEWAY -----

Variable DUA tebal telinga 2 hari setelah perlakuan-a
By Variable HIPERS kelompok alergi

Analysis of Variance

Source	D.F.	Sum of Squares	Mean Squares	F Ratio	F Prob.
Between Groups	2	.0004	.0002	.6333	.5385
Within Groups	27	.0081	.0003		
Total	29	.0085			

Analisis varian satu jalan tebal daun telinga tikus 3 hari setelah perlakuan

----- ONEWAY -----

Variable TIGA tebal telinga 3 hari setelah perlakuan-al
By Variable HIPERS kelompok alergi

Analysis of Variance

Source	D.F.	Sum of Squares	Mean Squares	F Ratio	F Prob.
Between Groups	2	.0003	.0002	.5857	.5636
Within Groups	27	.0080	.0003		
Total	29	.0083			

Lampiran 6 : Data dan analisis data pemeriksaan mikrobiologis

	c.alb	koloni
1	1	19
2	1	21
3	1	24
4	1	25
5	1	17
6	1	28
7	1	21
8	1	19
9	1	19
10	1	18
11	2	9
12	2	11
13	2	12
14	2	15
15	2	15
16	2	13
17	2	9
18	2	10
19	2	11
20	2	9
21	3	16
22	3	25
23	3	17
24	3	24
25	3	14
26	3	19
27	3	13
28	3	28
29	3	17
30	3	15

Analisis varian satu jalan terhadap jumlah koloni C. albicans

----- O N E W A Y -----

Variable KOLONI jumlah sel candida - mikro
By Variable C.ALB kelompok perlakuan candida

Analysis of Variance

Source	D.F.	Sum of Squares	Mean Squares	F Ratio	F Prob.
Between Groups	2	509.0250	254.5125	14.3344	.0000
Within Groups	37	656.9500	17.7554		
Total	39	1165.9750			

Rerata dan simpang baku jumlah koloni C. albicans

-- Description of Subpopulations --

Summaries of KOLONI jumlah sel candida - mikro
By levels of C.ALB kelompok perlakuan candida

Variable	Value	Label	Mean	Std Dev	Cases
C.ALB	1	kontrol/tanpa pelike	19.9500	4.4305	10
C.ALB	2	pe dalam pelikel	11.4000	2.3190	10
C.ALB	3	ra dalam pelikel	18.8000	5.1164	10

Lampiran 7 : Data dan analisis data pemeriksaan kekuatan transversa

	kel.tran	transv		kel.tran	transv		kel.tran	transv
1	1	88.933	31	2	57.660	61	3	88.367
2	1	88.078	32	2	46.543	62	3	83.558
3	1	90.949	33	2	51.522	63	3	84.108
4	1	101.455	34	2	57.904	64	3	80.137
5	1	98.644	35	2	46.910	65	3	85.207
6	1	87.589	36	2	58.393	66	3	81.726
7	1	107.318	37	2	62.180	67	3	78.794
8	1	96.446	38	2	47.276	68	3	83.313
9	1	88.490	39	2	51.796	69	3	80.016
10	1	88.200	40	2	56.438	70	3	80.626
11	1	92.475	41	2	45.810	71	3	78.427
12	1	92.109	42	2	60.225	72	3	70.120
13	1	100.111	43	2	53.018	73	3	70.364
14	1	87.039	44	2	55.582	74	3	82.947
15	1	105.669	45	2	55.339	75	3	70.854
16	1	95.529	46	2	56.072	76	4	70.364
17	1	100.966	47	2	56.560	77	4	73.785
18	1	93.208	48	2	59.126	78	4	75.618
19	1	106.035	49	2	59.247	79	4	78.672
20	1	93.270	50	2	63.157	80	4	76.962
21	1	89.666	51	3	88.078	81	4	78.427
22	1	91.621	52	3	78.915	82	4	88.628
23	1	94.125	53	3	79.038	83	4	83.313
24	1	88.017	54	3	88.383	84	4	82.947
25	1	88.628	55	3	85.390	85	4	69.632
26	2	51.186	56	3	74.396	86	4	80.626
27	2	47.398	57	3	88.628	87	4	72.807
28	2	59.737	58	3	76.351	88	4	80.259
29	2	51.918	59	3	88.017	89	4	74.762
30	2	58.759	60	3	74.274	90	4	70.120

	kel.tran	transv		kel.tran	transv
91	4	75.250	121	5	72.930
92	4	78.794	122	5	77.328
93	4	81.726	123	5	77.938
94	4	80.016	124	5	65.722
95	4	77.328	125	5	73.785
96	4	88.017	126	6	65.722
97	4	70.243	127	6	59.247
98	4	77.938	128	6	68.776
99	4	85.207	129	6	56.560
100	4	85.390	130	6	64.989
101	5	69.632	131	6	66.333
102	5	80.259	132	6	60.225
103	5	75.618	133	6	58.393
104	5	68.410	134	6	57.660
105	5	73.540	135	6	59.737
106	5	76.962	136	6	59.126
107	5	78.794	137	6	76.106
108	5	65.967	138	6	77.328
109	5	62.424	139	6	57.904
110	5	66.333	140	6	72.930
111	5	70.243	141	6	75.861
112	5	71.220	142	6	67.432
113	5	74.762	143	6	63.157
114	5	70.854	144	6	55.582
115	5	66.899	145	6	77.938
116	5	67.432	146	6	65.967
117	5	75.250	147	6	61.080
118	5	73.908	148	6	56.072
119	5	63.645	149	6	76.962
120	5	65.356	150	6	74.762

- - Description of Subpopulations - -

Summaries of By levels of	TRANSV KEL.TRAN	resin akrilik kelompok transversa			
Variable	Value	Label	Mean	Std Dev	Cases
For Entire Population			74.12034	13.71958	150
KEL.TRAN	1	re	94.10280	6.37466	25
KEL.TRAN	2	pe	54.79024	5.15694	25
KEL.TRAN	3	si2,5	80.72136	5.65751	25
KEL.TRAN	4	si5	78.27324	5.48664	25
KEL.TRAN	5	si7,5	71.40044	5.08692	25
KEL.TRAN	6	si10	65.43396	7.65134	25

- - - - - O N E W A Y - - - - -

Variable	TRANSV	resin akrilik
By Variable	KEL.TRAN	kelompok transversa

Analysis of Variance

Source	D.F.	Sum of Squares	Mean Squares	F Ratio	F Prob.
Between Groups	5	22915.5643	4583.1129	128.6424	.0000
Within Groups	144	5130.2560	35.6268		
Total	149	28045.8203			

Lampiran 8 : Data dan analisis data pemeriksaan kekerasan

	kel.kek	kekern		kel.kek	kekern		kel.kek	kekern
1	1	16.09	31	2	27.51	61	3	16.08
2	1	14.65	32	2	28.73	62	3	16.31
3	1	16.67	33	2	28.53	63	3	16.41
4	1	16.39	34	2	29.14	64	3	16.37
5	1	16.13	35	2	30.87	65	3	16.44
6	1	16.39	36	2	24.43	66	3	15.84
7	1	16.84	37	2	28.63	67	3	16.04
8	1	18.11	38	2	28.53	68	3	16.02
9	1	19.39	39	2	28.94	69	3	15.80
10	1	18.59	40	2	30.98	70	3	16.35
11	1	19.48	41	2	29.43	71	3	15.87
12	1	15.13	42	2	28.63	72	3	15.07
13	1	14.67	43	2	28.47	73	3	16.48
14	1	16.79	44	2	25.94	74	3	15.01
15	1	18.84	45	2	30.98	75	4	16.06
16	1	18.12	46	2	29.36	76	4	11.79
17	1	16.35	47	2	25.57	77	4	12.17
18	1	15.39	48	2	28.39	78	4	12.28
19	1	18.35	49	2	24.86	79	4	12.31
20	1	18.31	50	2	30.81	80	4	11.15
21	1	19.41	51	3	16.06	81	4	11.71
22	1	14.88	52	3	16.08	82	4	12.38
23	1	16.74	53	3	16.15	83	4	11.31
24	1	16.38	54	3	16.08	84	4	11.09
25	1	14.69	55	3	16.20	85	4	11.19
26	2	24.35	56	3	15.32	86	4	12.31
27	2	24.52	57	3	16.25	87	4	12.39
28	2	26.31	58	3	16.12	88	4	12.36
29	2	24.73	59	3	16.38	89	4	11.07
30	2	28.10	60	3	16.31	90	4	12.13

	kel.kek	kekersn		kel.kek	kekersn
91	4	12.01	121	5	13.72
92	4	12.06	122	5	13.54
93	4	11.01	123	5	12.67
94	4	11.08	124	5	12.81
95	4	11.04	125	5	12.49
96	4	11.48	126	6	26.81
97	4	11.58	127	6	27.52
98	4	11.12	128	6	26.35
99	4	11.02	129	6	26.99
100	4	12.37	130	6	25.81
101	5	13.58	131	6	26.46
102	5	13.61	132	6	24.98
103	5	12.24	133	6	26.57
104	5	13.65	134	6	27.47
105	5	13.47	135	6	26.13
106	5	13.57	136	6	25.98
107	5	13.69	137	6	26.52
108	5	12.27	138	6	25.26
109	5	12.44	139	6	26.05
110	5	13.66	140	6	27.01
111	5	13.62	141	6	26.88
112	5	13.61	142	6	24.08
113	5	12.30	143	6	26.54
114	5	14.04	144	6	26.16
115	5	13.62	145	6	27.02
116	5	13.62	146	6	26.83
117	5	13.75	147	6	26.29
118	5	14.17	148	6	27.01
119	5	12.45	149	6	26.47
120	5	12.55	150	6	26.07

-- Description of Subpopulations --

Summaries of By levels of	KEKERSN KEL.KEK	kekerasan kelompok hardness	Mean	Std Dev	Cases
Variable	Value	Label			
KEL.KEK	1	ra	16.9112	1.5767	25
KEL.KEK	2	pe	27.8696	2.1775	25
KEL.KEK	3	si2,5	16.0425	.4003	24
KEL.KEK	4	si5	11.8642	1.0098	26
KEL.KEK	5	si7,5	13.2456	.6209	25
KEL.KEK	6	si10	26.3704	.7667	25

--- O N E W A Y ---

Variable KEKERSN kekerasan
By Variable KEL.KEK kelompok hardness

Analysis of Variance

Source	D.F.	Sum of Squares	Mean Squares	F Ratio	F Prob.
Between Groups	5	5781.0719	1156.2144	736.7096	.0000
Within Groups	144	225.9980	1.5694		
Total	149	6007.0698			

Lampiran 9 : Data dan analisis data pemeriksaan kekuatan geser

	kel.gsr	geser		kel.gsr	geser		kel.gsr	geser
1	1	64.0884	31	2	47.7996	61	3	61.4605
2	1	65.0589	32	2	47.9669	62	3	61.0490
3	1	66.3432	33	2	53.1460	63	3	62.4196
4	1	63.6002	34	2	50.3567	64	3	61.1650
5	1	65.3378	35	2	48.5764	65	3	60.0819
6	1	66.4174	36	2	52.1355	66	3	2.6688
7	1	65.7280	37	2	48.0498	67	3	59.9337
8	1	64.3128	38	2	52.4236	68	3	63.2431
9	1	64.0107	39	2	51.2576	69	3	63.1404
10	1	65.8069	40	2	52.2612	70	3	63.3799
11	1	66.2080	41	2	51.3952	71	3	59.3032
12	1	67.1303	42	2	48.7673	72	3	62.6835
13	1	65.9100	43	2	50.2372	73	3	60.8741
14	1	66.1694	44	2	51.9413	74	3	62.3590
15	1	65.0179	45	2	51.2119	75	3	62.5423
16	1	65.4491	46	2	52.5810			
17	1	64.7866	47	2	48.2379			
18	1	64.9752	48	2	51.1872			
19	1	66.9627	49	2	50.3195			
20	1	65.7376	50	2	51.4280			
21	1	65.4890	51	3	61.3717			
22	1	66.1741	52	3	59.3196			
23	1	65.8256	53	3	58.3424			
24	1	66.4287	54	3	56.1528			
25	1	64.2516	55	3	55.7267			
26	2	52.9524	56	3	62.3324			
27	2	48.1879	57	3	63.2239			
28	2	52.7625	58	3	57.1884			
29	2	47.9317	59	3	55.9316			
30	2	48.7329	60	3	62.9954			

- - Description of Subpopulations - -

Summaries of By levels of	GESER KEL.GSR	kekuatan geser kelompok shear			
Variable	Value	Label	Mean	Std Dev	Cases
KEL.GSR	1	ra	65.488804	.938039	25
KEL.GSR	2	pe	50.473888	1.870121	25
KEL.GSR	3	si2,5	58.355556	11.848730	25

- - - - - O N E W A Y - - - - -

Variable GESER kekuatan geser
By Variable KEL.GSR kelompok shear

Analysis of Variance

Source	D.F.	Sum of Squares	Mean Squares	F Ratio	F Prob.
Between Groups	2	2820.4302	1410.2151	29.2233	.0000
Within Groups	72	3474.4720	48.2566		
Total	74	6294.9021			

Lampiran 10 : Data dan analisis data pemeriksaan perubahan dimensi

	kel.dim	dimensi1	dimensi2	beda.mm	persen
1	1	215.9486	215.4376	.5110	.2366
2	1	213.5956	213.5956	.0000	.0000
3	1	214.5848	214.5848	.0000	.0000
4	1	214.2162	214.2162	.0000	.0000
5	1	214.2250	214.2250	.0000	.0000
6	1	215.5049	215.5049	.0000	.0000
7	1	215.3550	215.3550	.0000	.0000
8	1	214.6778	214.6778	.0000	.0000
9	1	213.8091	213.4458	.3633	.1699
10	1	213.3435	213.3435	.0000	.0000
11	1	214.5231	214.4208	.1023	.0477
12	1	214.3232	214.3232	.0000	.0000
13	1	214.6851	214.6851	.0000	.0000
14	1	213.7628	213.7628	.0000	.0000
15	1	214.7801	214.7801	.0000	.0000
16	1	215.0450	215.0450	.0000	.0000
17	1	215.2420	215.2420	.0000	.0000
18	1	215.2548	215.2548	.0000	.0000
19	1	214.2661	214.2661	.0000	.0000
20	1	214.3755	214.3755	.0000	.0000
21	1	212.8763	212.8763	.0000	.0000
22	1	214.5303	214.5303	.0000	.0000
23	1	214.7801	214.7801	.0000	.0000
24	1	213.5980	213.5980	.0000	.0000
25	1	214.5750	214.5750	.0000	.0000
26	2	213.3414	213.3414	.0000	.0000
27	2	212.6201	212.6201	.0000	.0000
28	2	212.7886	212.7886	.0000	.0000
29	2	214.5803	214.5803	.0000	.0000
30	2	214.1090	214.1090	.0000	.0000

	kel.dlm	dimensi1	dimensi2	beda.mm	persen
31	2	213.0282	213.0282	.0000	.0000
32	2	213.0369	213.0369	.0000	.0000
33	2	214.1139	214.1139	.0000	.0000
34	2	214.2636	214.2636	.0000	.0000
35	2	212.8896	212.8896	.0000	.0000
36	2	211.8480	211.8480	.0000	.0000
37	2	214.4653	214.4653	.0000	.0000
38	2	214.1475	214.1475	.0000	.0000
39	2	213.2955	213.2955	.0000	.0000
40	2	214.1205	213.7088	.4117	.1923
41	2	213.2488	213.2488	.0000	.0000
42	2	214.6279	214.6279	.0000	.0000
43	2	213.2346	213.2346	.0000	.0000
44	2	214.4653	214.4653	.0000	.0000
45	2	213.2471	213.2471	.0000	.0000
46	2	213.6900	213.6900	.0000	.0000
47	2	212.8285	212.6722	.1563	.0734
48	2	213.2433	213.2433	.0000	.0000
49	2	212.4139	212.4139	.0000	.0000
50	2	214.0591	214.0591	.0000	.0000
51	3	211.8575	211.8575	.0000	.0000
52	3	213.8547	213.8547	.0000	.0000
53	3	212.6178	212.6178	.0000	.0000
54	3	214.2185	214.2185	.0000	.0000
55	3	213.4033	213.4033	.0000	.0000
56	3	213.3512	213.3512	.0000	.0000
57	3	214.1475	213.8415	.3060	.1429
58	3	214.2582	214.2582	.0000	.0000
59	3	214.9791	214.9791	.0000	.0000
60	3	213.5561	213.5561	.0000	.0000

	kel.dim	dimensi1	dimensi2	beda.mm	persen
61	3	212.3788	212.3788	.0000	.0000
62	3	214.0591	214.0591	.0000	.0000
63	3	214.8300	214.8300	.0000	.0000
64	3	212.5257	212.5257	.0000	.0000
65	3	214.5231	214.5231	.0000	.0000
66	3	213.7800	213.7800	.0000	.0000
67	3	213.4033	213.4033	.0000	.0000
68	3	212.5180	212.5180	.0000	.0000
69	3	213.4537	213.4537	.0000	.0000
70	3	213.4033	213.4033	.0000	.0000
71	3	215.5548	215.5548	.0000	.0000
72	3	213.9658	213.9658	.0000	.0000
73	3	214.0138	214.0138	.0000	.0000
74	3	212.7302	212.4720	.2582	.1214
75	3	213.2955	213.2955	.0000	.0000

-- Description of Subpopulations --

Summaries of By levels of	PERSEN KEL.DIM	beda 1dan 2 kelompok dimensi	Mean	Std Dev	Cases
Variable	Value	Label			
KEL.DIM	1	ra	.018169	.057332	25
KEL.DIM	2	pe	.010629	.040589	25
KEL.DIM	3	si2,5	.010571	.036718	25

----- O N E W A Y -----

Variable PERSEN beda 1dan 2
By Variable KEL.DIM kelompok dimensi

Analysis of Variance

Source	D.F.	Sum of Squares	Mean Squares	F Ratio	F Prob.
Between Groups	2	.0010	.0005	.2280	.7967
Within Groups	72	.1508	.0021		
Total	74	.1517			

Lampiran 11 : Data dan analisis data pemeriksaan kehalusan permukaan

	kel.per	pemk
1	1	139.00
2	1	100.00
3	1	117.67
4	1	120.00
5	1	119.67
6	1	134.00
7	1	111.00
8	1	121.00
9	1	122.00
10	1	118.00
11	2	143.00
12	2	195.67
13	2	150.67
14	2	166.33
15	2	175.33
16	2	162.33
17	2	180.00
18	2	155.00
19	2	173.00
20	2	163.67

t-tests for independent samples of KEL.PER kelompok bahan

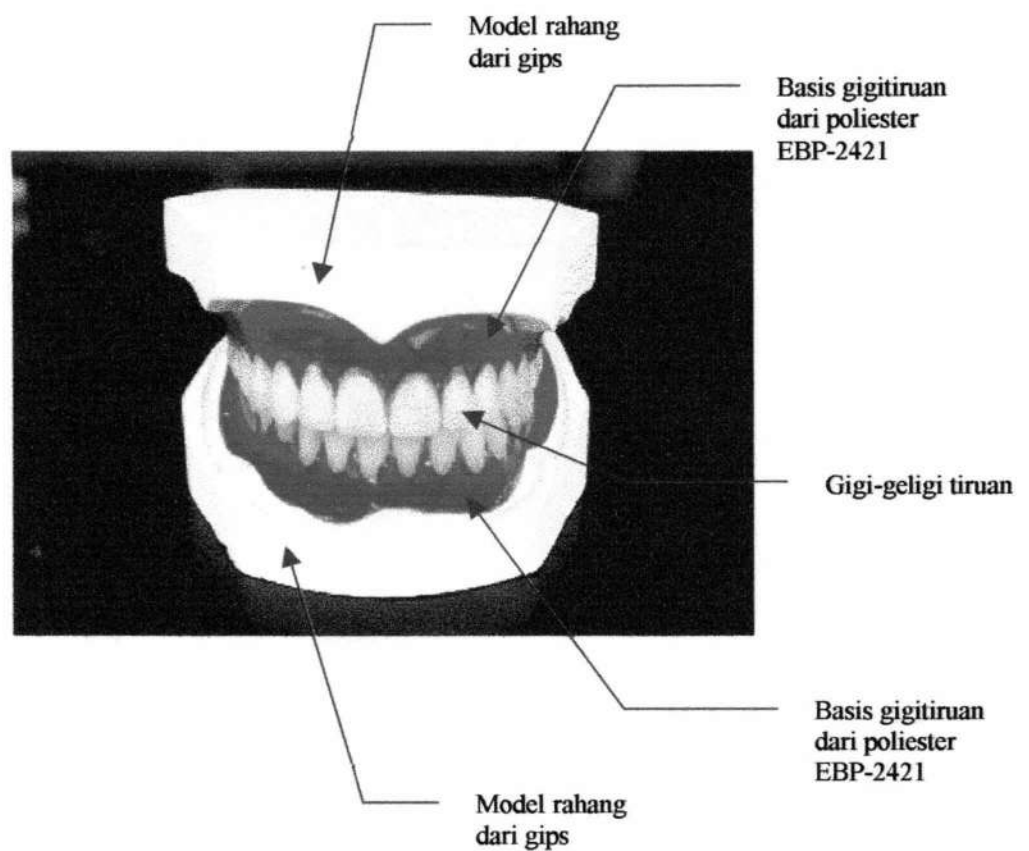
Variable	Number of Cases	Mean	SD	SE of Mean
PERMK kehalusan permukaan				
pe	10	120.2340	10.811	3.419
ra	10	168.5000	16.011	5.063

Mean Difference = -48.2660

Levene's Test for Equality of Variances: F= 2.407 P= .138

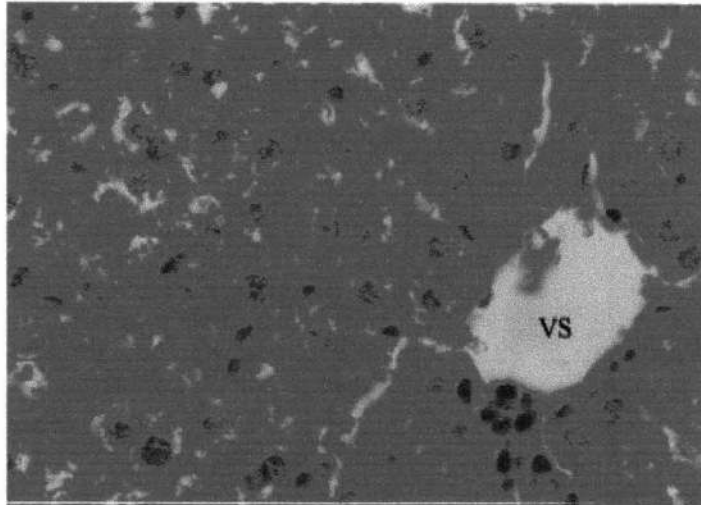
t-test for Equality of Means				95%	
Variances	t-value	df	2-Tail Sig	SE of Diff	CI for Diff
Equal	-7.90	18	.000	6.109	(-61.104, -35.428)
Unequal	-7.90	15.79	.000	6.109	(-61.220, -35.312)

Lampiran 12 : Contoh hasil gigitiran lengkap dengan basis gigitiran terbuat dari poliester EBP-2421

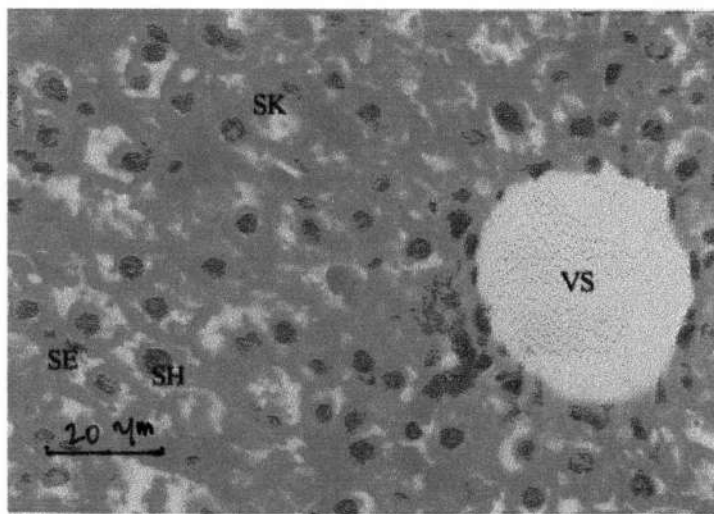


Lampiran 13 : Gambaran histologik sel hati tikus setelah mendapat bubuk poliester EBP-2421 dengan takaran 270 mg. Pewarnaan HE

A. Kelompok perlakuan



B. Kelompok kontrol



Keterangan :

VS - vena sentralis

SH - sel hepatosit

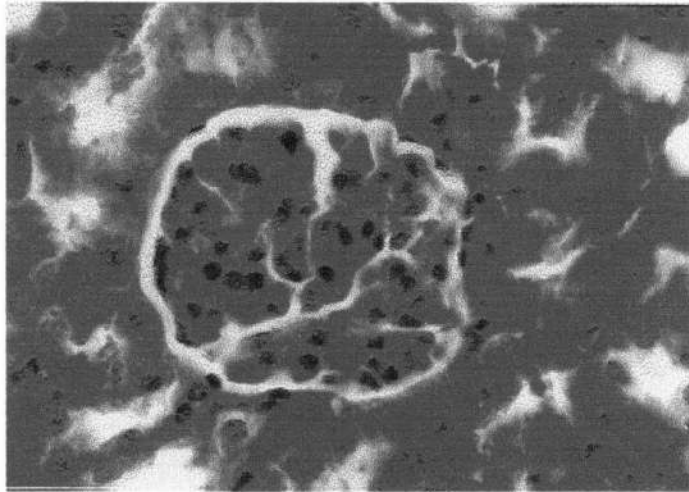
SK - sel Kupfer

SE - sel endothel

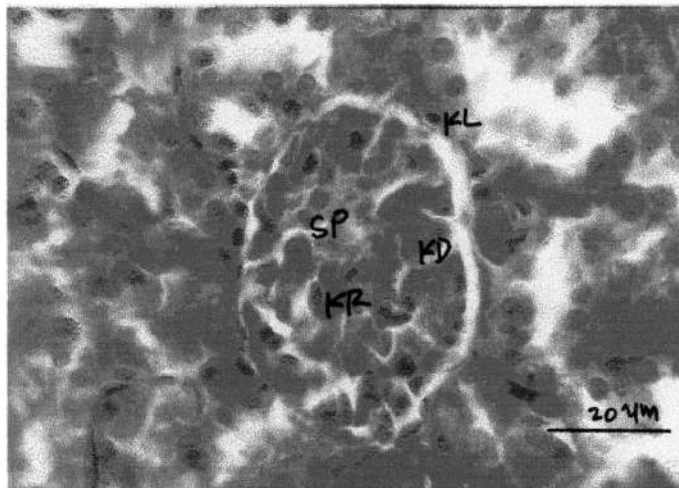
Baik pada kelompok perlakuan maupun kontrol tidak terlihat adanya kelainan pada sel hepatosit

Lampiran 14 : Gambaran histologik sel ginjal tikus setelah mendapat bubuk poliester EBP-2421 dengan takaran 270 mg. Pewarnaan HE.

A. Kelompok perlakuan



B. Kelompok kontrol



Keterangan :

KR - kopuskulum renale

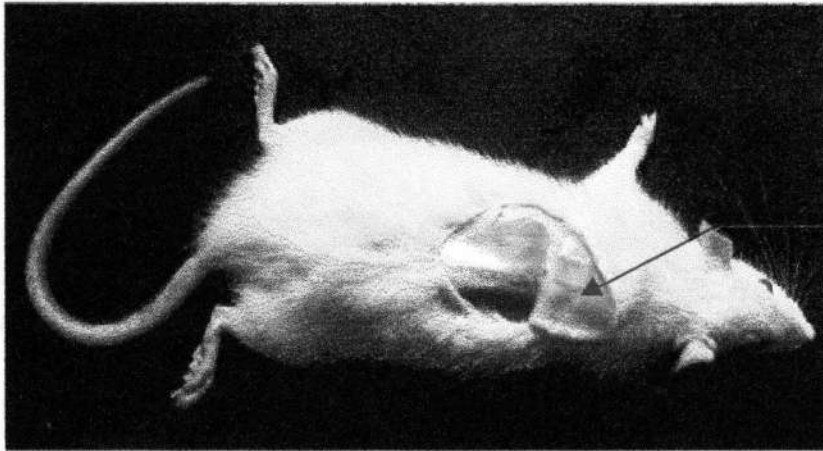
SP - sel podosit

KL - kapsula luar

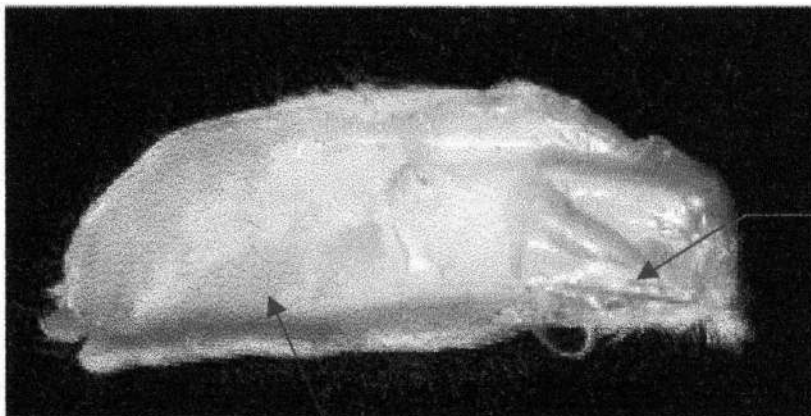
KD - kapsula dalam

Baik pada kelompok perlakuan maupun kontrol tidak terlihat adanya kelainan pada sel podosit

Lampiran 15 : Gambaran makroskopik tikus setelah 5 bulan mendapat implan strip poliester EBP-2421. Terlihat strip implan masih tetap menempel pada kulit setelah 5 bulan.



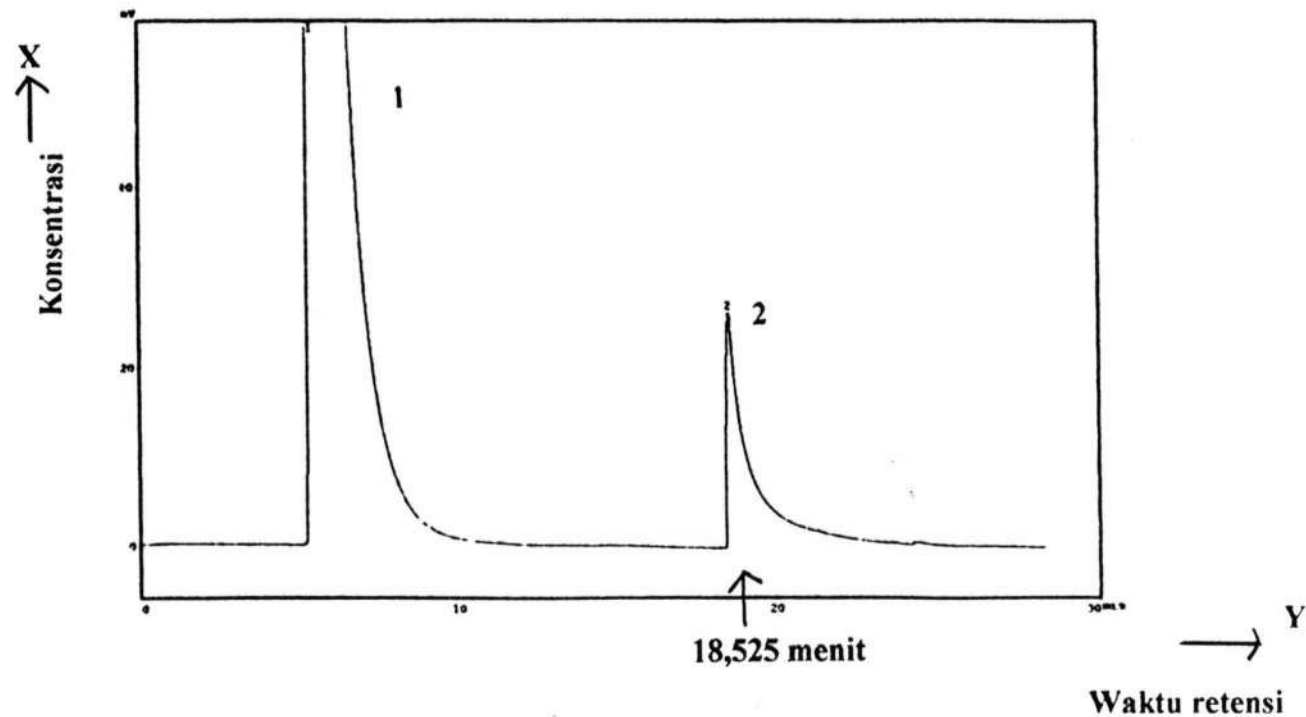
Punggung tikus dengan strip poliester EBP-2421 yang tetap menempel selama 5 bulan



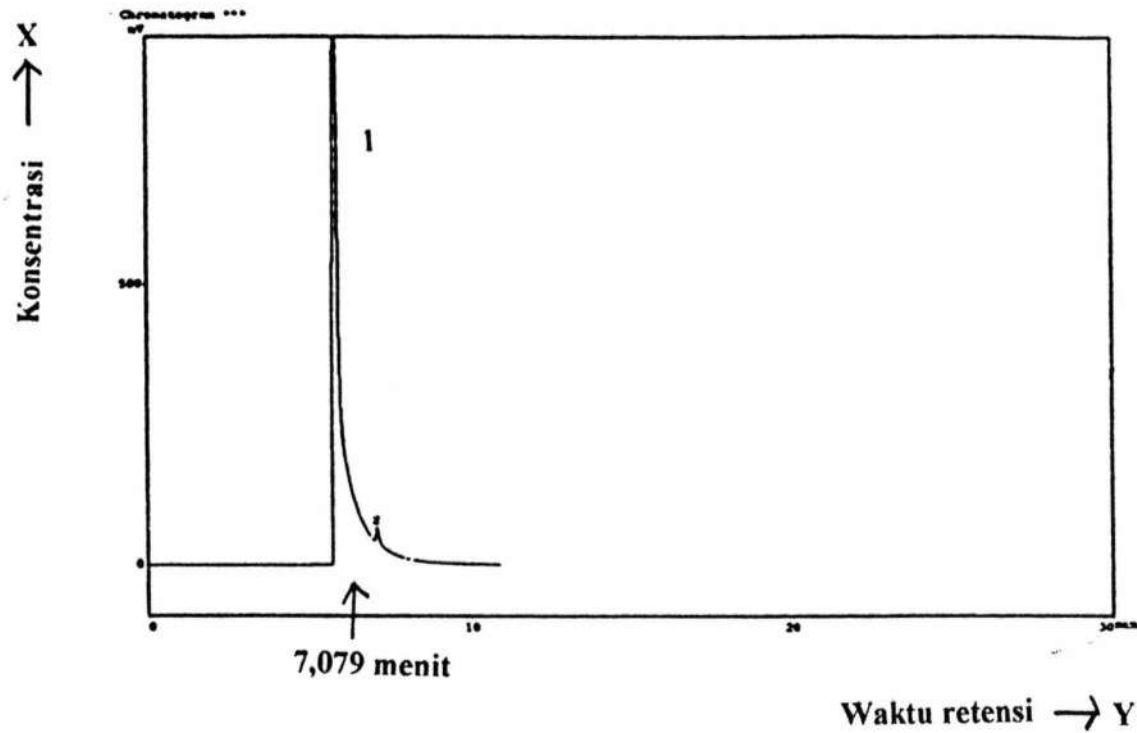
Strip poliester EBP-2421 yang selama 5 bulan tidak berubah bentuk dan ukuran

Irisan kulit punggung tikus dengan strip poliester EBP-2421 yang tetap menempel selama 5 bulan

Lampiran 16 : Kromatogram standar anhidrida ftalat

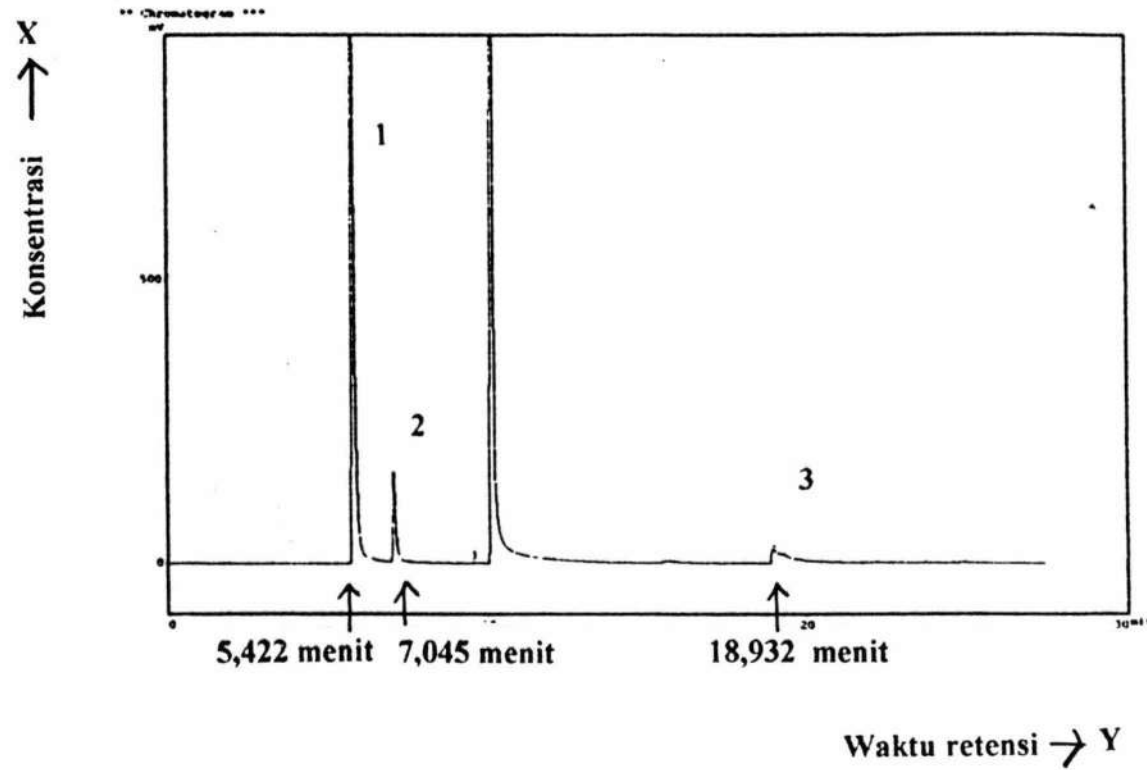


Keterangan: Puncak nomer 1 adalah pelarut (aseton), dan anhidrida ftalat muncul pada puncak nomer 2 dengan waktu retensi 18,525 menit



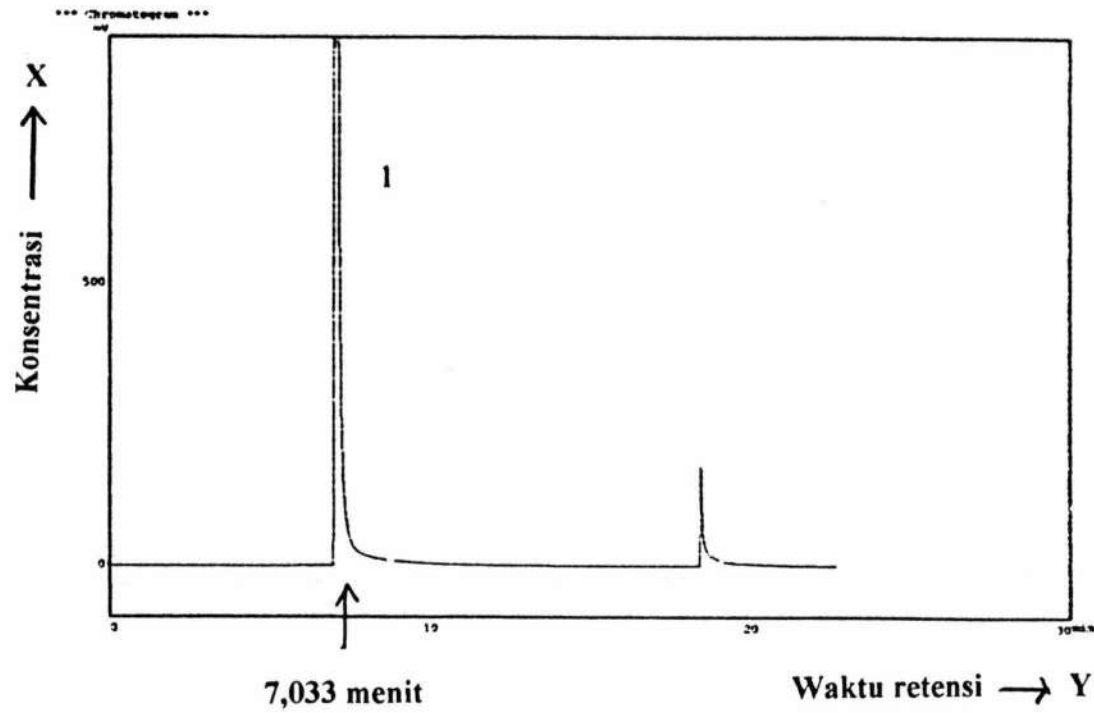
Keterangan: Metil metakrilat muncul pada puncak nomer 1 dengan waktu retensi 7,079 menit

Lampiran 18 : Kromatogram identifikasi komponen pada resin poliester EBP-2421



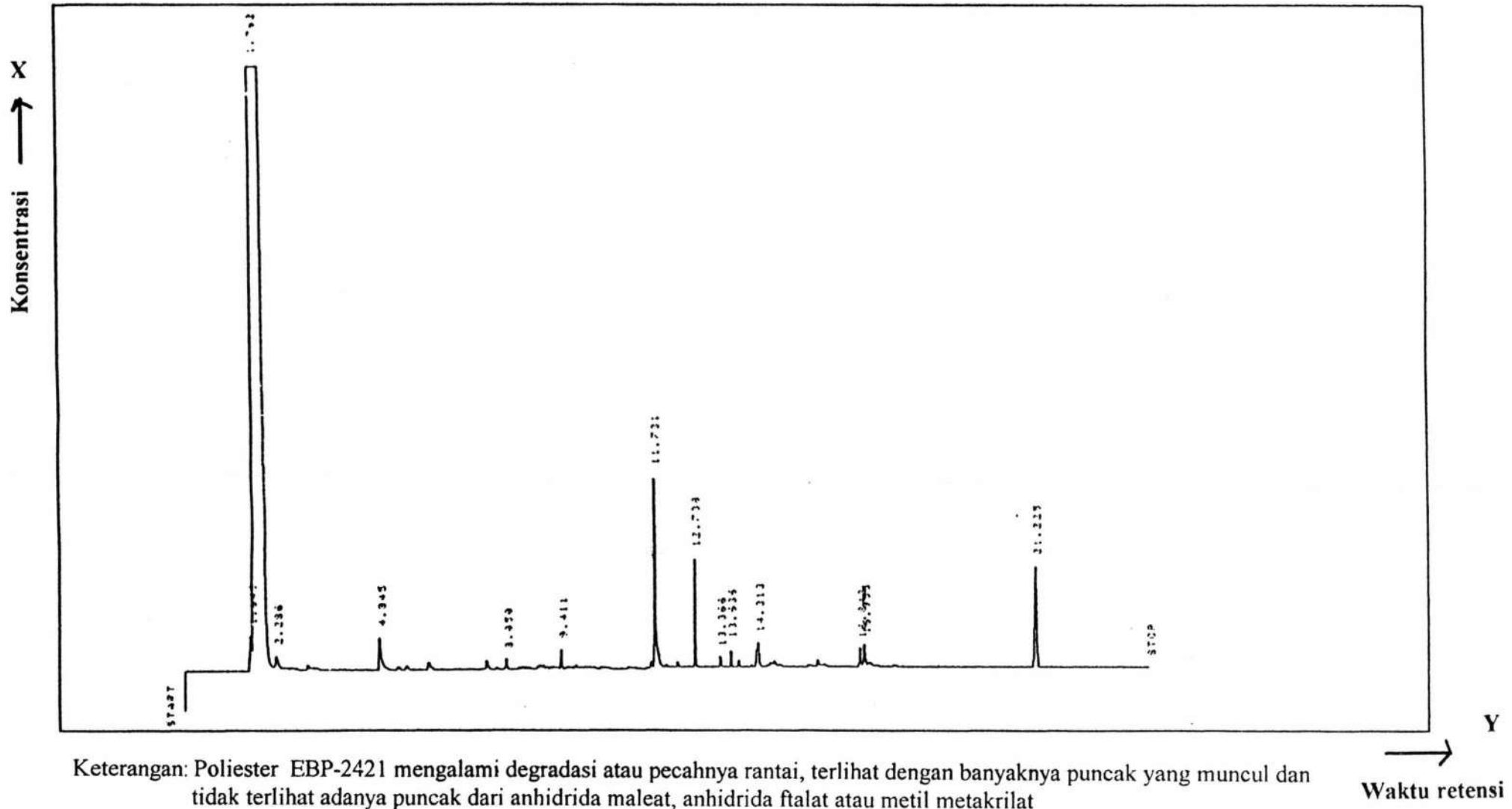
Keterangan: Anhidrida maleat muncul pada puncak nomer 1 dengan waktu retensi 5,422 menit, metil metakrilat muncul pada puncak nomer 2 dengan waktu retensi 7,045 menit, sedangkan anhidrida ftalat muncul pada puncak nomer 3 dengan waktu retensi 18,932 menit

Lampiran 19 : Kromatogram monomer resin akrilik *Stellon*



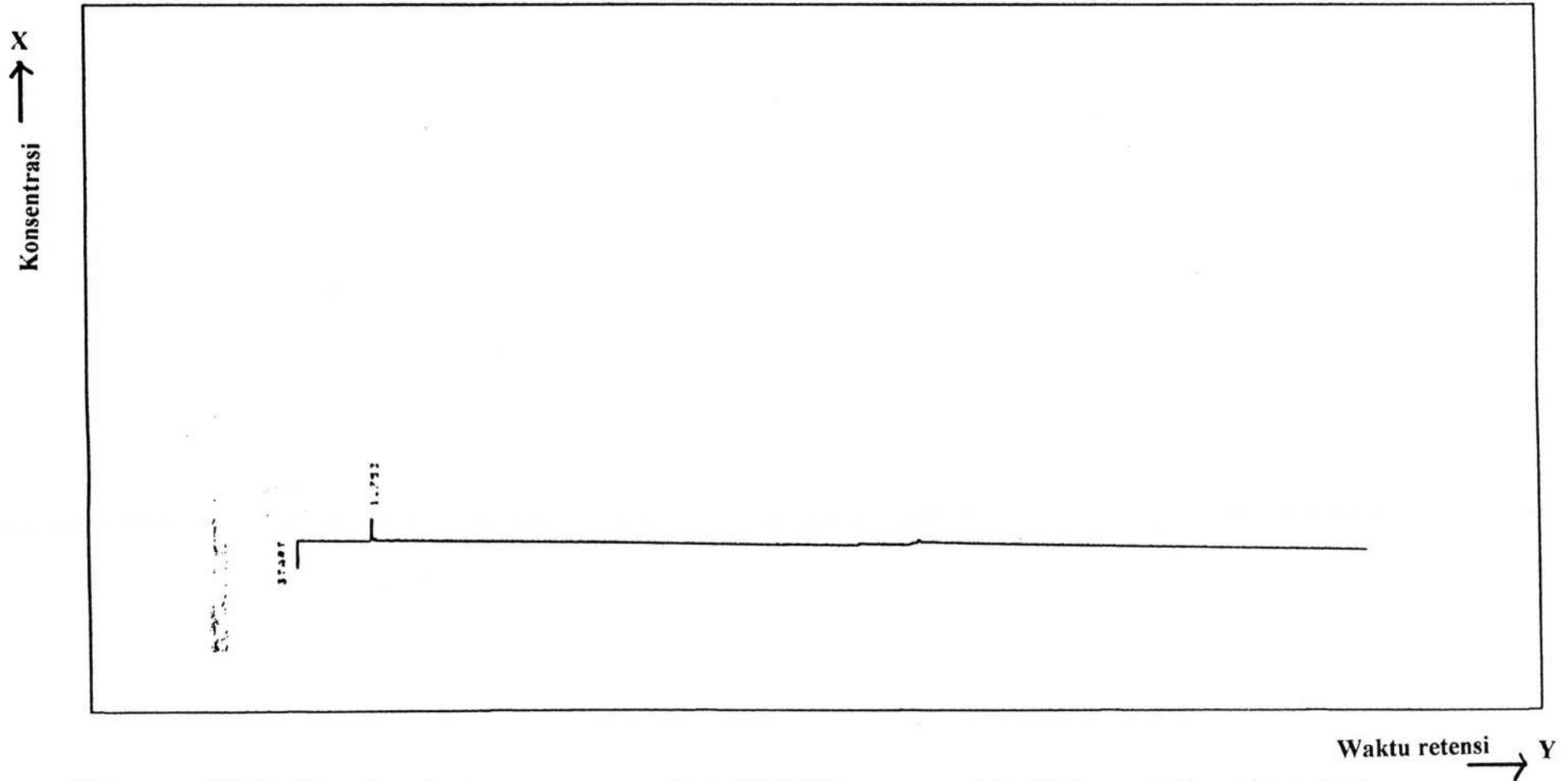
Keterangan: Metil metakrilat muncul sebagai puncak nomer 1 dengan waktu retensi 7,033 menit

Lampiran 20 : Kromatogram pemeriksaan monomer sisa dan proses hidrolisis pada poliester EBP-2421
Lempeng poliester EBP-2421 dalam pelarut aseton



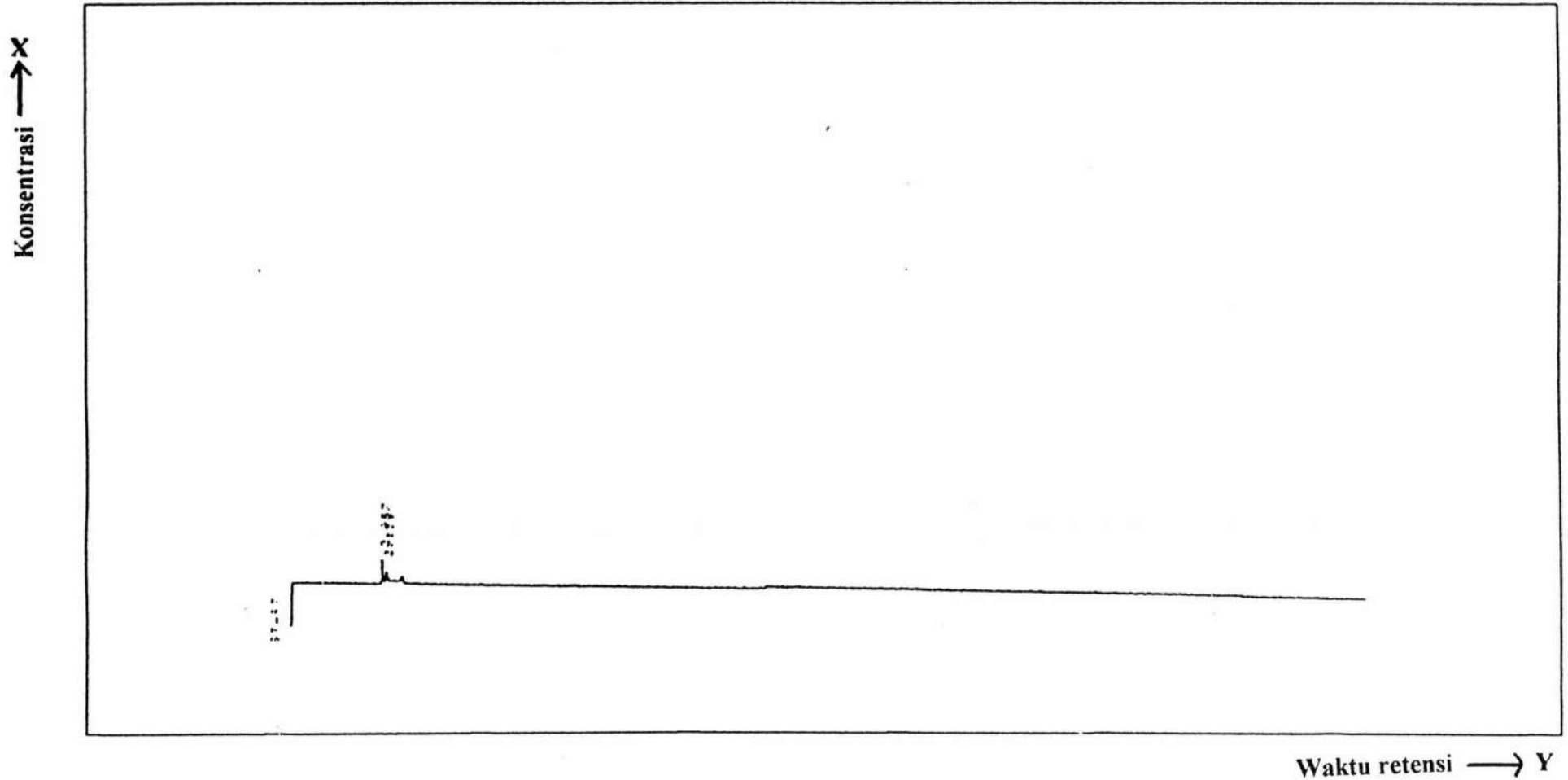
Keterangan: Poliester EBP-2421 mengalami degradasi atau pecahnya rantai, terlihat dengan banyaknya puncak yang muncul dan tidak terlihat adanya puncak dari anhidrida maleat, anhidrida ftalat atau metil metakrilat

Lampiran 21 : Kromatogram pemeriksaan monomer sisa dan proses hidrolisis poliester EBP-2421
Lempeng poliester EBP-2421 dalam pelarut **akuades**



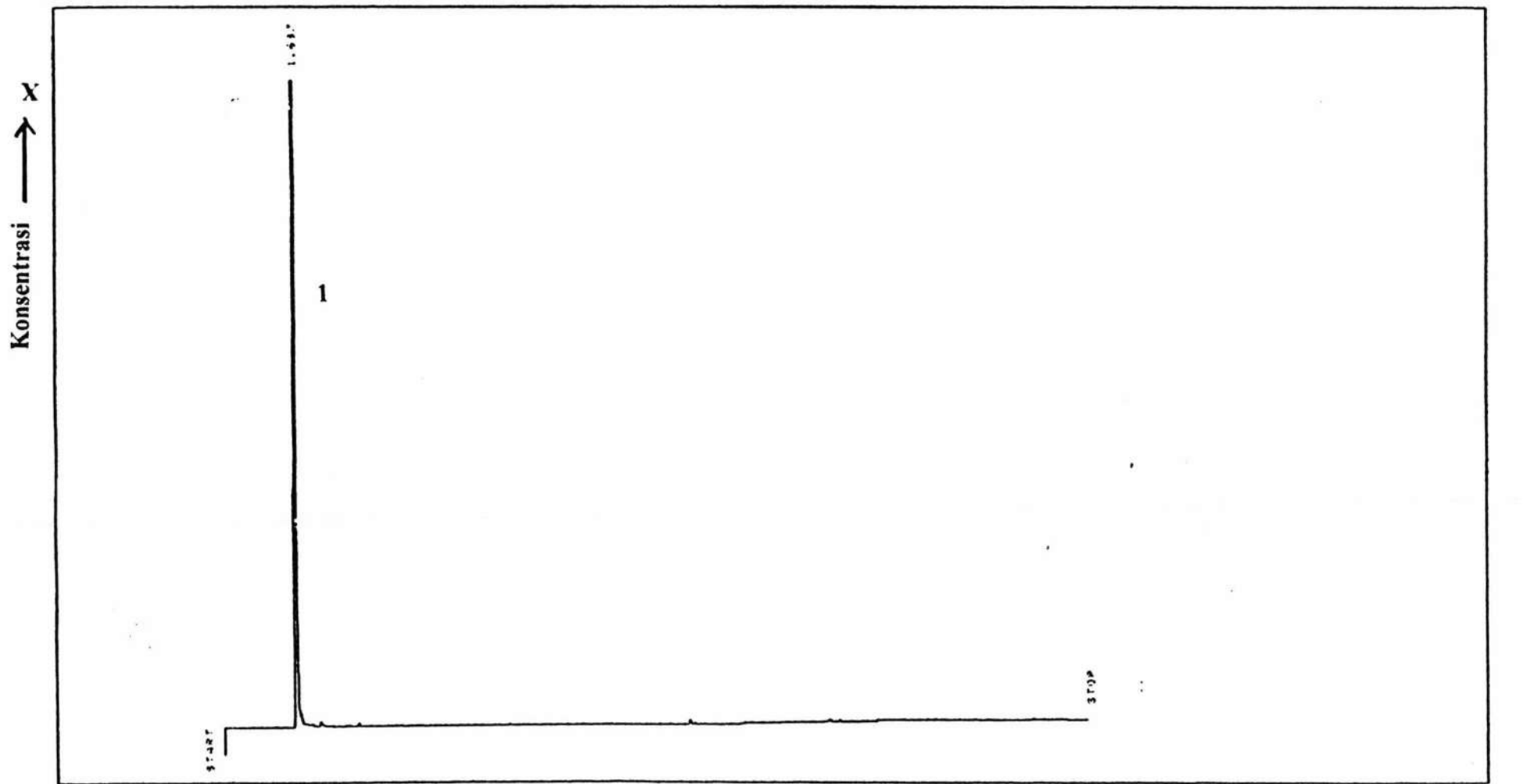
Keterangan: Tidak terlihat adanya komponen penyusun poliester EBP-2421 yang muncul. Hasil ini menunjukkan tidak terdeteksinya monomer sisa dan proses hidrolisis yang tidak terjadi.

Lampiran 22 : Kromatogram pemeriksaan monomer sisa dan proses hidrolisis poliester EBP-2421
Lempeng poliester EBP-2421 dalam pelarut asam cuka pH 2



Keterangan: Tidak terlihat adanya komponen penyusun poliester EBP-2421 yang muncul. Hasil ini menunjukkan tidak adanya monomer sisa dan proses hidrolisis yang tidak terjadi

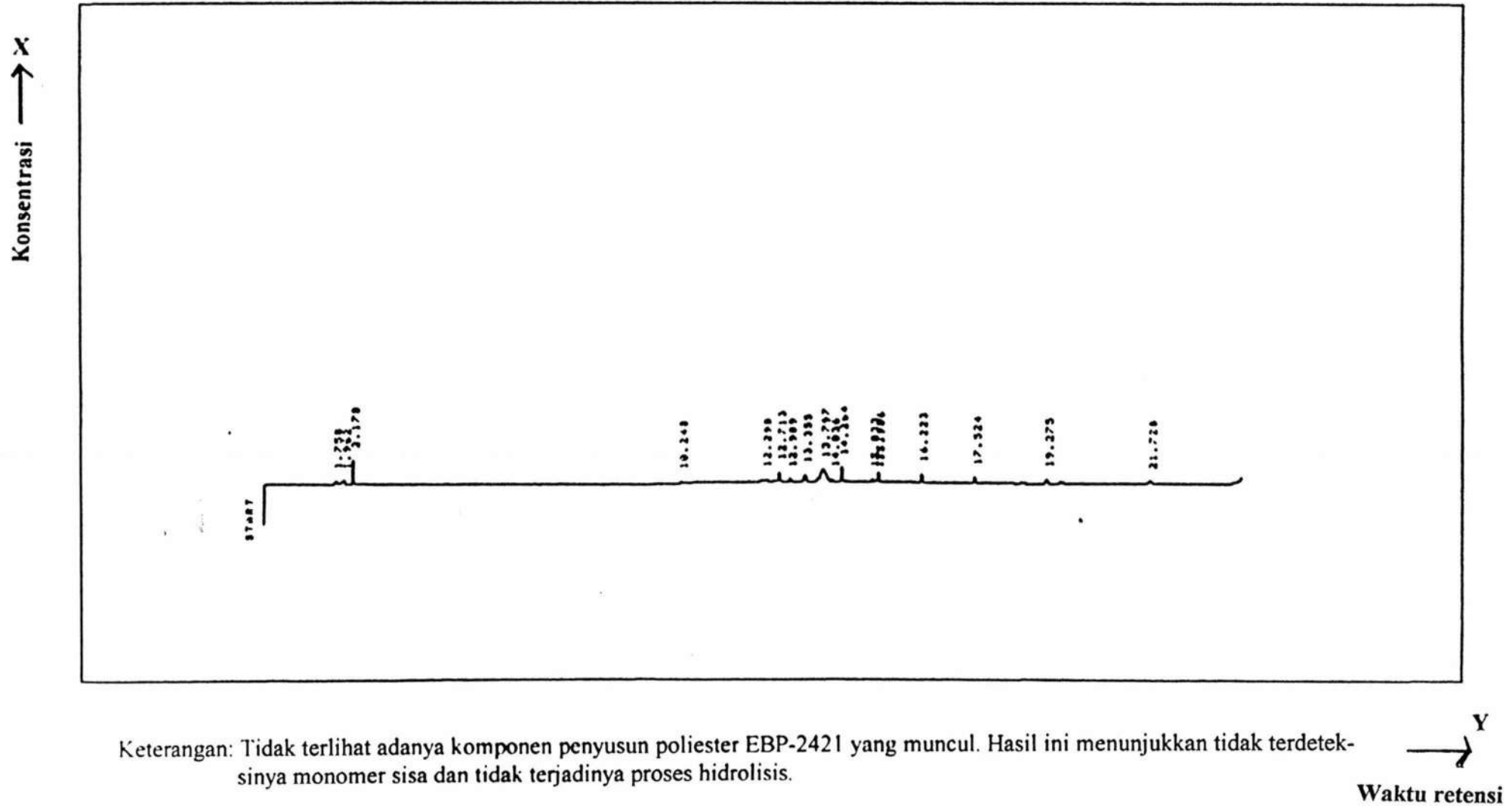
Lampiran 23 : Kromatogram pemeriksaan monomer sisa dan proses hidrolisis poliester EBP-2421
Lempeng poliester EBP-2421 dalam pelarut etanol



Keterangan : Puncak nomer 1 adalah pelarut (etanol), sedangkan komponen penyusun poliester EBP-2421 tidak ada yang muncul. Hasil menunjukkan tidak adanya monomer sisa yang terdeteksi dan proses hidrolisis yang tidak terjadi.

→ Y
Waktu retensi

Lampiran 24 : Kromatogram pemeriksaan monomer sisa dan proses hidrolisis poliester EBP-2421
Lempeng poliester EBP-2421 dalam pelarut saliva buatan (pH netral)



Lampiran 25 : Kromatogram pemeriksaan monomer sisa resin akrilik *Stellon*
 Lempek resin akrilik *Stellon* dalam pelarut metil etil keton

