LAMPIRAN

Lampiran 1 Tabel uji kesesuaian sistem

	Waktu retensi (menit)	**Luas area**
Replikasi 1	3980	1246305
Replikasi 2	3977	1249347
Replikasi 3	3971	1295663
Replikasi 4	3961	849741
Replikasi 5	3946	1511120
Replikasi 6	3925	1454734
Rata - rata	3960	1267818,333
SD	19,287	232594,567
%RSD	0,487	18,346

Lampiran 2 Tabel data uji linieritas

Konsentrasi (ppm)	**Luas area**
15	2980383
21	3776551
24	4059556
27	4538272

Lampiran 3 Perhitungan LOD dan LOQ

$$LOD = \frac{3{,}3\ x\ 84137{,}978}{127110}$$

= 2,184 ppm

$$LOQ = \frac{10\ x\ 84137{,}978}{127110}$$

= 6,619 ppm

Lampiran 4 Perhitungan konsentrasi blanko sampel

Persamaan regresi linier : y = 127110x + 1000000

- Blanko sampel 1

y = 127110x + 1000000

44536919 = 127110x + 1000000

x $= \frac{43536919}{127110}$

= 342,51 ppm

- Blanko sampel 2

y = 127110x + 1000000

46397140 = 127110x + 1000000

$x = \frac{46397140}{127110}$

= 357,15 ppm

- Blanko sampel 3

y = 127110x + 1000000

44403938 = 127110x + 1000000

$x = \frac{44403938}{127110}$

= 341,47 ppm

- Blanko sampel 4

y = 127110x + 1000000

44535106 = 127110x + 1000000

$x = \frac{44535106}{127110}$

= 342,50 ppm

- Blanko sampel 5

y = 127110x + 1000000

44084382 = 127110x + 1000000

$x = \frac{44084382}{127110}$

= 338,95 ppm

- Blanko sampel 6

y = 127110x + 1000000

45219899 = 127110x + 1000000

$x = \frac{45219899}{127110}$

= 347,89 ppm

Lampiran 5 Perhitungan Konsentrasi *Spike* Sampel

- Sampel + standart 1

y = 127110x + 1000000

46985132 = 127110x + 1000000

$x = \frac{46985132}{127110}$

= 361,77 ppm

- Sampel + standart 2

y = 127110x + 1000000

47436121 = 127110x + 1000000

$x = \frac{47436121}{127110}$

= 365,32 ppm

- Sampel + standart 3

y = 127110x + 1000000

47423154 = 127110x + 1000000

$x = \frac{47423154}{127110}$

= 365,22 ppm

- Sampel + standart 4

y = 127110x + 1000000

47099910 = 127110x + 1000000

$x = \frac{47099910}{127110}$

= 362,68 ppm

- Sampel + standart 5

y = 127110x + 1000000

47099065 = 127110x + 1000000

x $= \frac{47099065}{127110}$

= 362,67 ppm

- Sampel + standart 6

y = 127110x + 1000000

47422661 = 127110x + 1000000

x $= \frac{47422661}{127110}$

= 365,22 ppm

Lampiran 6 Perhitungan *%recovery*

$$\%recovery = \frac{C_F - C_A}{C *_A} \; x \; 100$$

C_F = konsentrasai *spike* sampel hasil pengukuran

C_A = konsentrasi sampel hasil pengukuran (tanpa penambahan larutan baku)

$C *_A$ = konsentrasi larutan baku yang ditambahkan

- Replikasi 1

$$\%recovery = \frac{361{,}77\ ppm - 342{,}51\ ppm}{18\ ppm} \; x\ 100\% = 107\%$$

- Replikasi 2

$$\%recovery = \frac{365{,}32\ ppm - 357{,}15\ ppm}{18\ ppm} \; x\ 100\% = 45{,}4\%$$

- Replikasi 3

$$\%recovery = \frac{365{,}22\ ppm - 341{,}47\ ppm}{18\ ppm} \; x\ 100\% = 133{,}6\%$$

- Replikasi 4

$$\%recovery = \frac{362{,}68\ ppm - 342{,}50\ ppm}{18\ ppm}\ x\ 100\% = 112{,}1\%$$

- Replikasi 5

$$\%recovery = \frac{362{,}67\ ppm - 338{,}95\ ppm}{18\ ppm}\ x\ 100\% = 131{,}7\%$$

- Replikasi 6

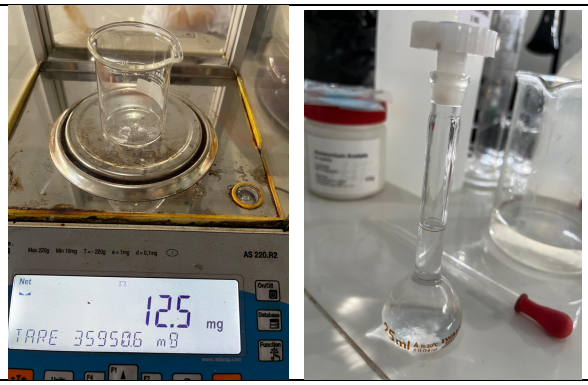
$$\%recovery = \frac{365{,}22\ ppm - 347{,}89\ ppm}{18\ ppm}\ x\ 100\% = 96{,}3\%$$

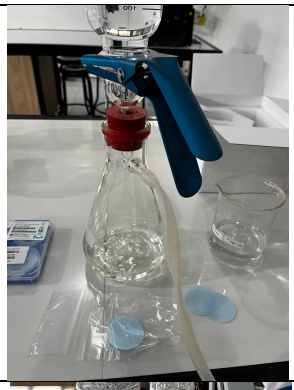
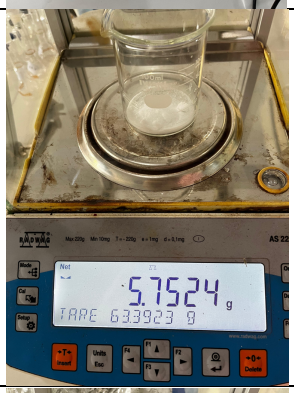
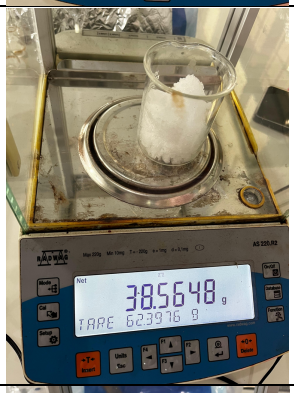
Lampiran 7 Hasil uji statistik *One - Way Anova*

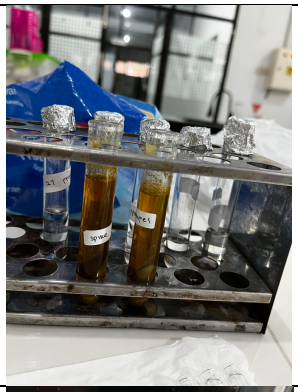
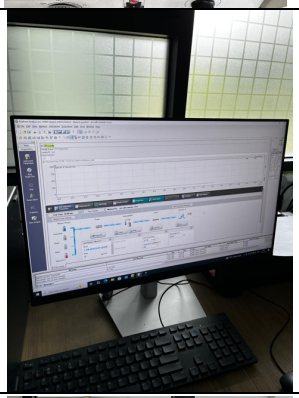
ANOVA

		Sum of Squares	df	Mean Square	F	Sig.
Wakturetensi	Between Groups	33.701	7	4.814	1352.433	.000
	Within Groups	.057	16	.004		
	Total	33.758	23			
Resolusi	Between Groups	6.561	7	.937	628.577	.000
	Within Groups	.024	16	.001		
	Total	6.585	23			
Jumlahlempengteoritis	Between Groups	17245018.63	7	2463574.089	734.245	.000
	Within Groups	53684.000	16	3355.250		
	Total	17298702.63	23			
Faktortailling	Between Groups	24.470	7	3.496	75.067	.000
	Within Groups	.745	16	.047		
	Total	25.215	23			

Lampiran 8 Dokumentasi

No.	Gambar	Keterangan
1.		Pembuatan larutan baku induk parasetamol

No.	Gambar	Keterangan
2.	 	Pembuatan fase gerak *acidified water* pH 3
3.	 	Pembuatan fase gerak bufer amonium fosfat pH 3
4.	 	Pembuatan fase gerak bufer amonium asetat pH 6
5.	 	Pembuatan larutan sampel

No.	Gambar	Keterangan
6.	 	Pembuatan larutan *spike* sampel
6.	 	*Running* optimasi metode KCKT
7.	 	*Running* validasi metode KCKT