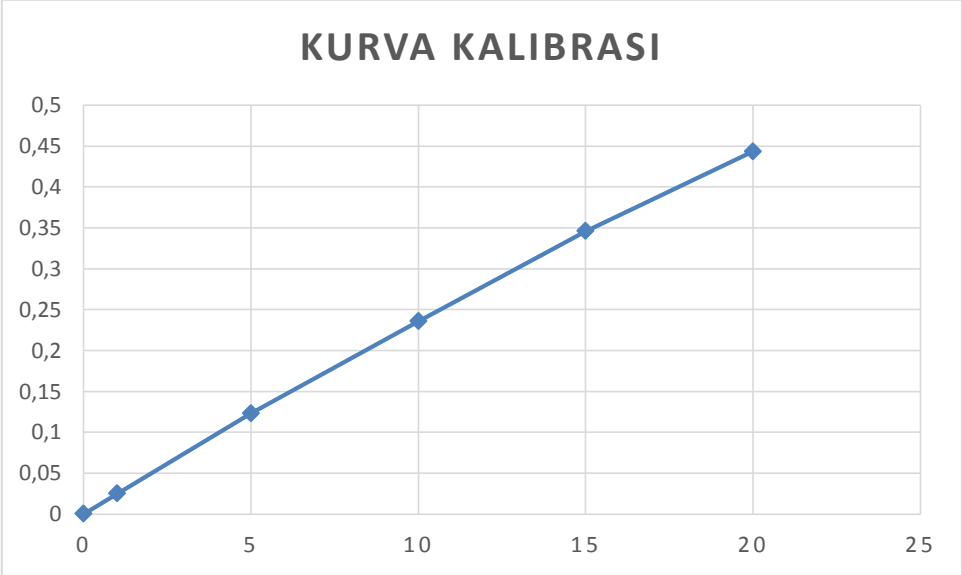
Lampiran 1. Hasil Pengukuran Larutan Standar

1. Kurva kalibrasi larutan standar logam berat timbal

Gambar 9. Kurva kalibrasi larutan standar Logam berat Timbal



2. Data Absorbansi dan kurva kalibrasi dari pengukuran larutan standar Timbal

Tabel 3. Data absorbansi larutan standar logam berat timbal

No	Konsentrasi	Absorbansi
1	0	0,0001
2	1	0,0251
3	5	0,1232
4	10	0,2358
5	15	0,3459
6	20	0,4434

Tabel 4. Perhitungan Persamaan Regresi

No	X	Y	X^2	Y^2	XY
1	0	0,0001	0	0,00000001	0
2	1	0,0251	1	0,00063001	0,0251
3	5	0,1232	25	0,01517824	0,616
4	10	0,2358	100	0,05560164	2,358
5	15	0,3459	225	0,11964681	5,1885
6	20	0,4434	400	0,19660356	8,868
	ΣX = 51	**ΣY = 1,1735**	**ΣX^2 = 751**	**ΣY^2 = 0,38766027**	**ΣX.Y= 17,2815**

Persamaan garis regresi dengan rumus: Y = a + Bx

Keterangan

a : slope

b : intersep

$$\mathbf{a} = \frac{(\Sigma Y)(\Sigma X^2) - (\Sigma X)(\Sigma Y)}{n(\Sigma X^2) - (\Sigma X)^2}$$

$$= \frac{(1{,}1735)(751) - (51)(1{,}1735)}{6(751) - (51)^2}$$

$$= \frac{881{,}2985 - 59{,}8485}{4.506 - 2.601}$$

$$= \frac{821{,}45}{1.905}$$

$$= 0{,}431$$

Maka didapatkan nilai a (slope) = 0,431

$$b = \frac{n(\Sigma XY) - (\Sigma X)(\Sigma Y)}{n(\Sigma X^2)(\Sigma X)^2}$$

$$= \frac{6(17{,}2815) - (51)(1{,}1735)}{6(751) - (51)^2}$$

$$= \frac{103{,}689 - 59{,}8485}{4.506 - 2.601}$$

$$= \frac{43,8405}{1.905}$$

$$= 0,0230$$

Maka didapatkan nilai b (intersep) = 0,0230

Lampiran 2 Data Hasil Peritungan Persamaan Regresi

Dihitung dengan rumus :

$$Y = a + Bx$$

Keterangan :

Y : Intensitas yang terbaca

a : Tetapan regresi (slope)

B : Koefisien regresi (intersep)

X : Konsentrasi

- Batang dicuci

  $Y = a + Bx$

  $0{,}0011 = 0{,}0230x + 0{,}431$

  $0{,}0230x = 0{,}0011 – 0{,}431$

  $0{,}0230x = -0{,}4299$

  $x = -0{,}4299/0{,}0230$

  $x = -18{,}6913$

- Daun muda dicuci

  $Y = a + Bx$

  $0{,}0005 = 0{,}0230x + 0{,}431$

  $0{,}0230x = 0{,}0005 – 0{,}431$

  $0{,}0230x = -0{,}4305$

  $x = -0{,}4305/0{,}0230$

  $x = -18{,}7173$

- Daun tua dicuci

  Y = a + Bx

  0,0008 = 0,0230x + 0,431

  0,0230x = 0,0008 – 0,431

  0,0230x = -0,4302

  x = -0,4302/0,0230

  x = -18,7043

- Batang tidak dicuci

  Y = a + Bx

  0,0012 = 0,0230x + 0,431

  0,0230x = 0,0012 – 0,431

  0,0230x = -0,4298

  x = -0,4298/0,0230

  x = -18,6869

- Daun muda tidak dicuci

  Y = a + Bx

  0,0006 = 0,0230x + 0,431

  0,0230x = 0,0006 – 0,431

  0,0230x = -0,4304

  x = -0,4304/0,0230

  x = -18,7130

- Daun tua tidak dicuci

  Y = a + Bx

  0,0010 = 0,0230x + 0,431

  0,0230x = 0,0010 – 0,431

  0,0230x = -0,43

  x = -0,43/0,0230

  x = -18,6956

Lampiran 3. Dokumentasi Sampel

Sampel	Dokumentasi
Batang dicuci	
Daun muda dicuci	
Daun tua dicuci	

Batang tidak dicuci	
Daun muda tidak dicuci	
Daun tua tidak dicuci