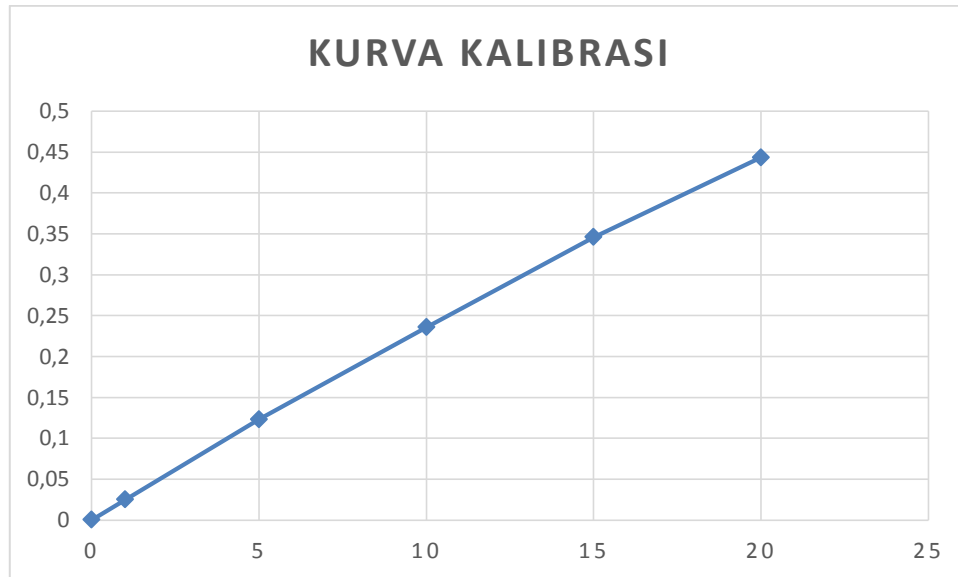


Lampiran 1. Hasil Pengukuran Larutan Standar

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 =	ΣX² = 751	ΣY² =	ΣX.Y =
		1,1735		0,38766027	17,2815

Persamaan garis regresi dengan rumus: $Y = a + Bx$

Keterangan

a : slope

b : intersep

$$\begin{aligned}
 a &= \frac{(\Sigma Y) (\Sigma X^2) - (\Sigma X) (\Sigma Y)}{n (\Sigma X^2) - (\Sigma X)^2} \\
 &= \frac{(1,1735) (751) - (51) (17,2815)}{6 (751) - (51)^2} \\
 &= \frac{881,2985 - 879,4485}{4.506 - 2.601} \\
 &= \frac{1,85}{1.905} \\
 &= 0,431
 \end{aligned}$$

Maka didapatkan nilai a (slope) = 0,431

$$\begin{aligned}
 b &= \frac{n(\Sigma XY) - (\Sigma X) (\Sigma Y)}{n (\Sigma X^2) - (\Sigma X)^2} \\
 &= \frac{6(17,2815) - (51) (1,1735)}{6 (751) - (51)^2} \\
 &= \frac{103,689 - 59,8485}{4.506 - 2.601}
 \end{aligned}$$

$$= \frac{43,8405}{1,905}$$

$$= 0,0230$$

Maka didapatkan nilai b (intersep) = 0,0230

Lampiran 2 Data Hasil Perhitungan 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	 A photograph showing several green, cylindrical stems (likely vegetable stems) placed inside a clear plastic zip-lock bag. The stems are fresh and appear to have been washed, as they are glistening with water. The bag is laid flat on a white surface.
Daun muda dicuci	 A photograph showing a cluster of young, green, pointed leaves (likely young spinach or similar leafy vegetable) inside a clear plastic zip-lock bag. The leaves are fresh and have some water droplets on them. The bag is laid flat on a white surface.
Daun tua dicuci	 A photograph showing a cluster of older, larger green leaves (likely mature spinach or similar leafy vegetable) inside a clear plastic zip-lock bag. The leaves are fresh and have some water droplets on them. The bag is laid flat on a white surface.

Batang tidak dicuci



Daun muda tidak dicuci



Daun tua tidak dicuci

