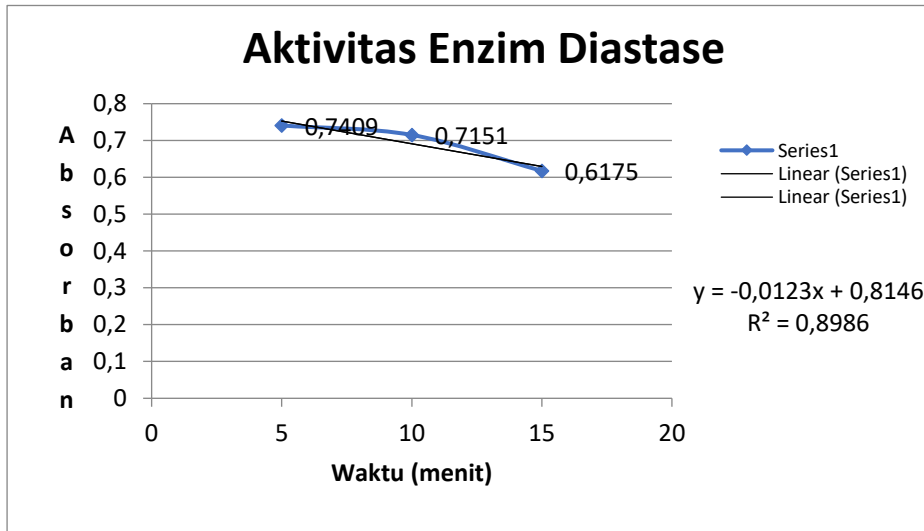


LAMPIRAN 1. Data Perhitungan Aktivitas Enzim Diastase Sampel A

NO	WAKTU (menit)	ABSORBAN (abs)
	x	y
1	5	0.7409
2	10	0.7151
3	15	0.6175



slope (b) : -0.01234
intercept (a) : 0.814566667

$$y = a + bx$$

Waktu pada saat absorban = 0.235 adalah

$$x = \frac{y - a}{b}$$

$$x = \frac{-0.579566667}{-0.01234}$$

$$x = \mathbf{46.97 \text{ menit}}$$

Aktivitas enzim diastase (DN)

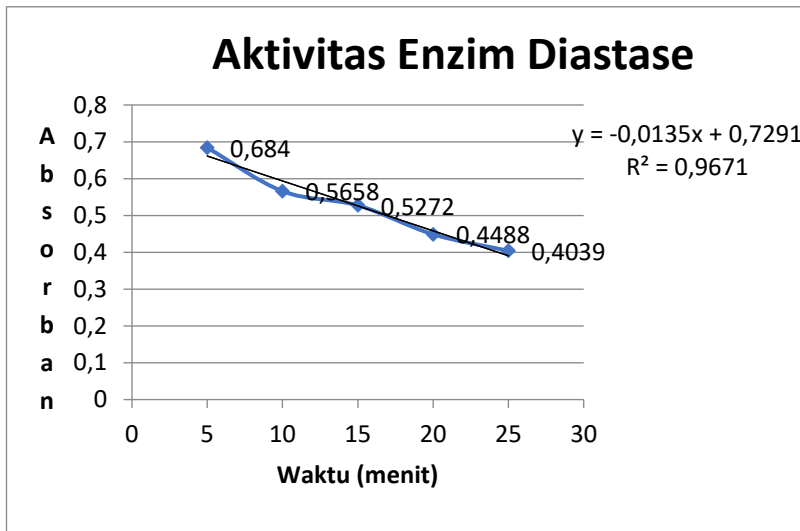
$$DN = \frac{300}{t}$$

$$DN = \frac{300}{46.97}$$

$$DN = \mathbf{6.39}$$

LAMPIRAN 2. Data Perhitungan Aktivitas Enzim Diastase Sampel B

NO	WAKTU	ABSORBAN
	(menit)	(abs)
	x	Y
1	5	0.684
2	10	0.5658
3	15	0.5272
4	20	0.4488
5	25	0.4039



slope (b) : -0.013544

intercept (a) : 0.7291

y = a + bx

Waktu pada saat absorban = 0.235 adalah

$$x = \frac{y - a}{b}$$

$$x = \frac{-0.4941}{-0.013544}$$

$$x = \mathbf{36.48 \text{ menit}}$$

Aktivitas enzim diastase (DN)

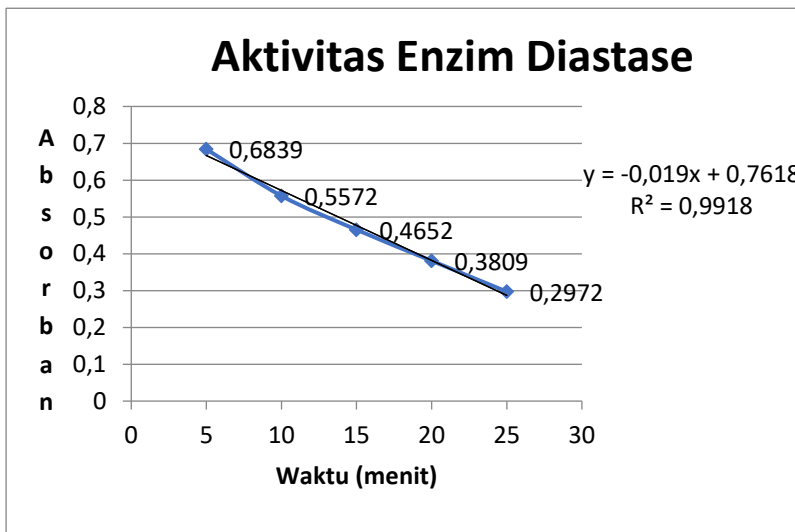
$$\text{DN} = \frac{300}{t}$$

$$\text{DN} = \frac{300}{36.48}$$

$$\text{DN} = \mathbf{8.22}$$

LAMPIRAN 3. Data Perhitungan Aktivitas Enzim Diastase Sampel C

NO	WAKTU (menit)	ABSORBAN (abs)
	x	Y
1	5	0.6839
2	10	0.5572
3	15	0.4652
4	20	0.3809
5	25	0.2972



slope (b) : -0.018994

intercept (a) : 0.76179

$y = a + bx$

Waktu pada saat absorban = 0.235

adalah

$$x = \frac{y - a}{b}$$

$$x = \frac{-0.52679}{-0.018994}$$

$$x = \mathbf{27.73 \text{ menit}}$$

Aktivitas enzim diastase (DN)

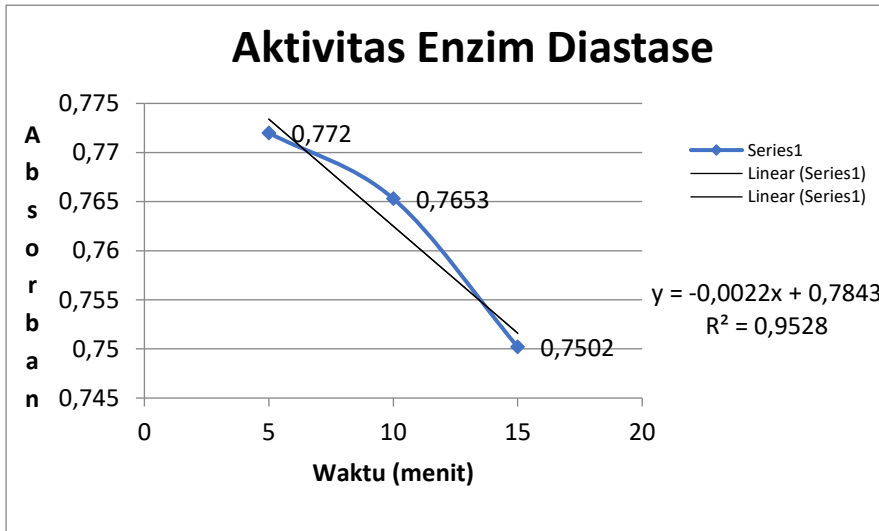
$$DN = \frac{300}{t}$$

$$DN = \frac{300}{27.73}$$

$$DN = \mathbf{10.82}$$

LAMPIRAN 4. Data Perhitungan Aktivitas Enzim Diastase pada Sampel D

NO	WAKTU (menit)	ABSORBAN (abs)
	X	y
1	5	0.772
2	10	0.7653
3	15	0.7502



slope (b) : -0.00218

intercept (a) : 0.7843

y = a + bx

Waktu pada saat absorban = 0.235
adalah

$$x = \frac{y - a}{b}$$

$$x = \frac{-0.5493}{-0.00218}$$

$$x = \mathbf{251.97 \text{ menit}}$$

Aktivitas enzim diastase (DN)

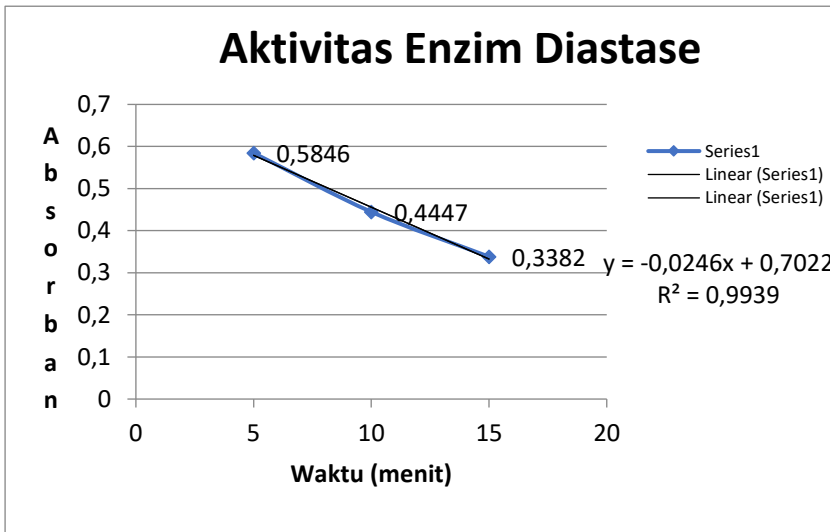
$$\text{DN} = \frac{300}{t}$$

$$\text{DN} = \frac{300}{251.97}$$

$$\text{DN} = \mathbf{1.19}$$

LAMPIRAN 5. Data Perhitungan Aktivitas Enzim Diastase pada sampel E

NO	WAKTU (menit)	ABSORBAN (abs)
	X	y
1	5	0.5846
2	10	0.4447
3	15	0.3382



slope (b) : -0.02464
intercept (a) : 0.702233333

$$y = a + bx$$

Waktu pada saat absorban = 0.235
 adalah

$$x = \frac{y - a}{b}$$

$$x = \frac{-0.467233333}{-0.02464}$$

$$x = \mathbf{18.96 \text{ menit}}$$

Aktivitas enzim diastase (DN)

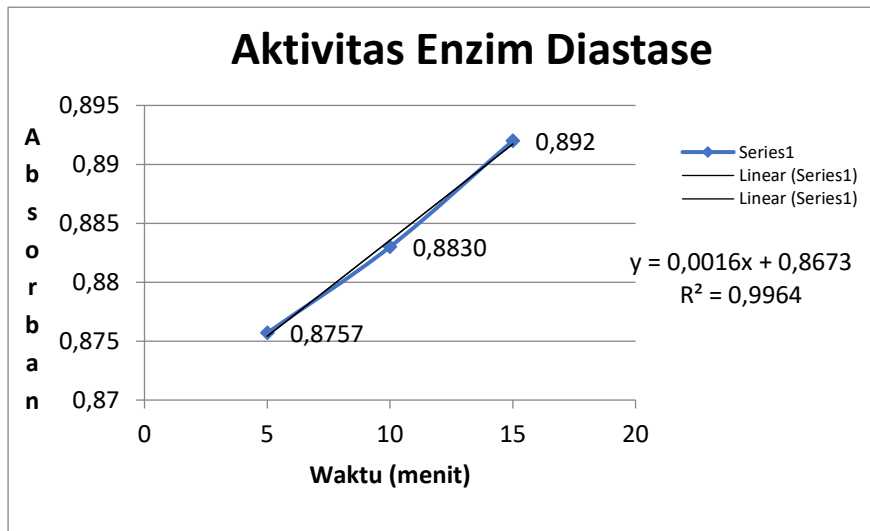
$$DN = \frac{300}{T}$$

$$DN = \frac{300}{18.96}$$

$$DN = \mathbf{15.82}$$

SAMPEL 6. Data Perhitungan Aktivitas Enzim Diastase pada sampel E

NO	WAKTU (menit)	ABSORBAN (abs)
	x	y
1	5	0.8757
2	10	0.8830
3	15	0.892



slope (b) : 0.00163
intercept (a) : 0.867266667

$$y = a + bx$$

Waktu pada saat absorban = 0.235
adalah

$$x = \frac{y - a}{b}$$

$$x = \frac{-0.632266667}{0.00163}$$

$$x = \mathbf{-387.89 \text{ menit}}$$

Aktivitas enzim diastase (DN)

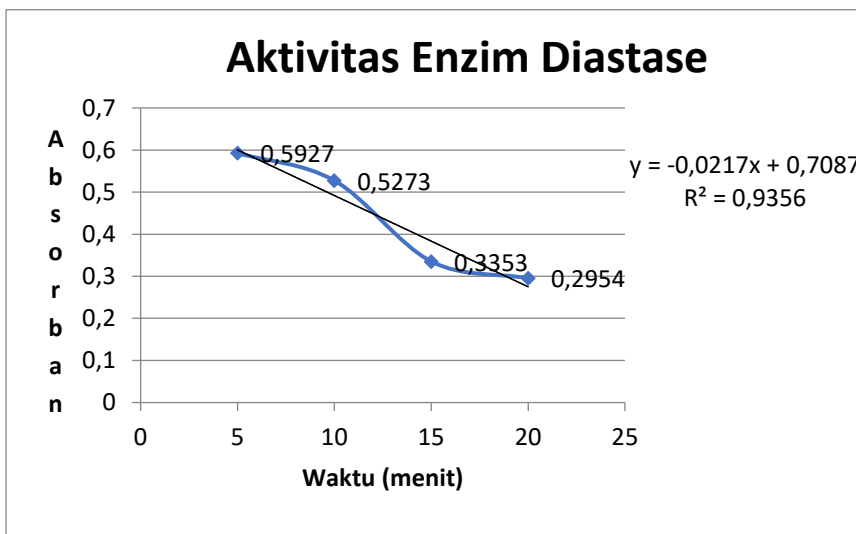
$$DN = \frac{300}{t}$$

$$DN = \frac{300}{-387.89}$$

$$DN = \mathbf{-0.77}$$

LAMPIRAN 7. Data Perhitungan Aktivitas Enzim Diastase sampel G

NO	WAKTU (menit)	ABSORBAN (abs)
	x	y
1	5	0.5927
2	10	0.5273
3	15	0.3353
4	20	0.2954



slope (b) : -0.021678

intercept (a) : 0.70865

y = a + bx

Waktu pada saat absorban = 0.235
adalah

$$x = \frac{y - a}{b}$$

$$x = \frac{-0.47365}{-0.021678}$$

$$x = \mathbf{21.85 \text{ menit}}$$

Aktivitas enzim diastase (DN)

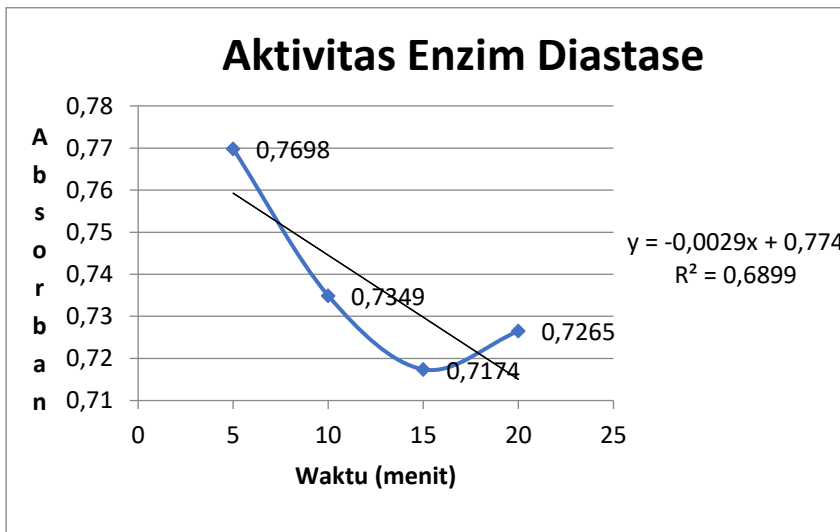
$$\text{DN} = \frac{300}{t}$$

$$\text{DN} = \frac{300}{21.85}$$

$$\text{DN} = \mathbf{13.73}$$

LAPMIRAN 8. Data Perhitungan Aktivitas Enzim Diastase sampel H

NO	WAKTU (menit)	ABSORBAN (abs)
	x	y
1	5	0.7698
2	10	0.7349
3	15	0.7174
4	20	0.7265



slope (b) : -0.002948

intercept (a) : 0.774

$$y = a + bx$$

Waktu pada saat absorban = 0.235
adalah

$$x = \frac{y - a}{b}$$

$$x = \frac{-0.539}{-0.002948}$$

$$x = \mathbf{182.84 \text{ menit}}$$

Aktivitas enzim diastase (DN)

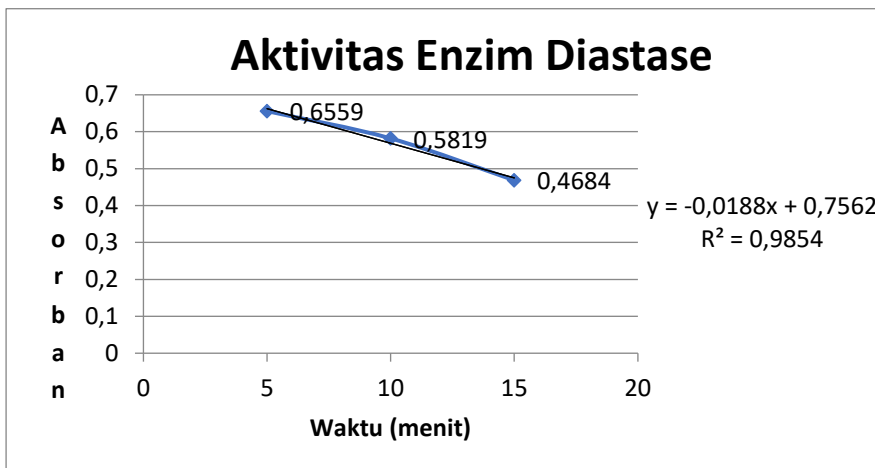
$$DN = \frac{300}{t}$$

$$DN = \frac{300}{182.84}$$

$$DN = \mathbf{1.64}$$

LAMPIRAN 9. Data Perhitungan Aktivitas Enzim Diastase sampel I

NO	WAKTU (menit)	ABSORBAN (abs)
	x	y
1	5	0.6559
2	10	0.5819
3	15	0.4684



slope (b) : -0.01875
intercept (a) : 0.756233333

$$y = a + bx$$

Waktu pada saat absorban = 0.235
 adalah

$$x = \frac{y - a}{b}$$

$$x = \frac{-0.521233333}{-0.01875}$$

$$x = \mathbf{27.80 \text{ menit}}$$

Aktivitas enzim diastase (DN)

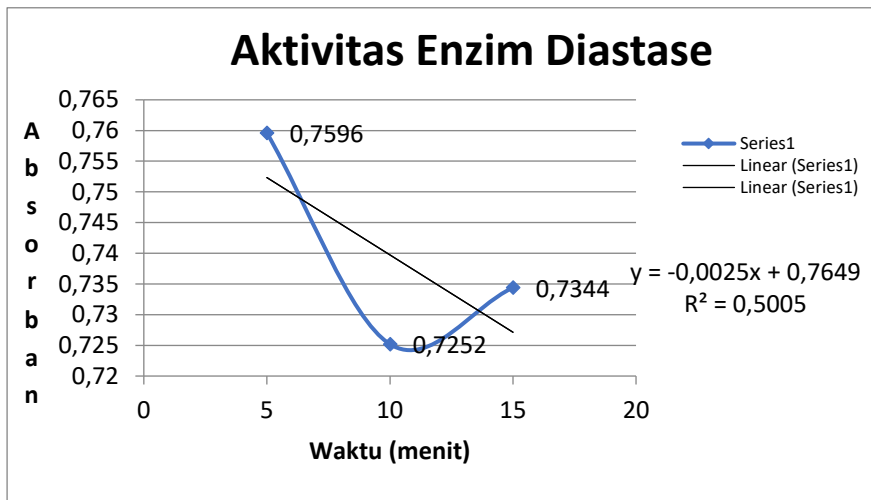
$$DN = \frac{300}{t}$$

$$DN = \frac{300}{27.80}$$

$$DN = \mathbf{10.79}$$

LAMPIRAN 10. Data Perhitungan Aktivitas Enzim Diastase sampel I

NO	WAKTU (menit)	ABSORBAN (abs)
	x	y
1	5	0.7596
2	10	0.7252
3	15	0.7344



slope (b) : -0.00252
intercept (a) : 0.764933333

$$y = a + bx$$

Waktu pada saat absorban = 0.235
 adalah

$$x = \frac{y - a}{b}$$

$$x = \frac{-0.529933333}{-0.00252}$$

$$x = \mathbf{210.29 \text{ menit}}$$

Aktivitas enzim diastase (DN)

$$DN = \frac{300}{t}$$

$$DN = \frac{300}{210.29}$$

$$DN = \mathbf{1.43}$$

Lampiran 11 . Hubungan Indeks Bias dengan Kadar Air pada Madu

Indeks Bias (20°C)	Kadar Air (%)	Indeks Bias (20°C)	Kadar Air (%)
1. 5044	13.0	1.4890	19.0
1.5038	13.2	1.4885	19.2
1.5033	13.4	1.4880	19.4
1.5028	13.6	1.4875	19.6
1.5023	13.8	1.4870	19.8
1.5018	14.0	1.4865	20.0
1.5012	14.2	1.4860	20.2
1.5007	14.4	1.4855	20.4
1.5002	14.6	1.4850	20.6
1.4997	14.8	1.4845	20.8
1.4992	15.0	1.4840	22.0
1.4987	15.2	1.4835	22.2
1.4982	15.4	1.4830	22.4
1.4976	15.6	1.4825	22.6

1.4971	15.8	1.4820	22.8
1.4966	15.0	1.4840	22.0
1.4961	16.2	1.4835	22.2
1.4956	16.4	1.4830	22.4
1.4951	16.6	1.4825	22.6
1.4946	16.8	1.4820	22.8
1.4940	17.0	1.4790	23.0
1.4935	17.2	1.4785	23.2
1.4930	17.4	1.4780	23.4
1.4925	17.6	1.4775	23.6
1.4920	17.8	1.4770	23.8
1.4915	18.0	1.4765	24.0
1.4910	18.2	1.4760	24.2
1.4905	18.4	1.4755	24.4
1.4900	18.6	1.4750	24.6
1.4895	18.8	1.4745	24.8
		1.4740	25.0

Lampiran 12. Perhitungan pembuatan larutan

1. Pembuatan Larutan Stock Iod 0,069N

Diketahui :

Massa I₂ = 8,8 gram

Mr = 254 gram/mol

Ditanya ? N

Jawab :

$$n = \frac{\text{massa}}{\text{Mr}}$$

$$n = \frac{8,8 \text{ gram}}{24 \text{ gram/mol}} = 0,0346 \text{ mol} = 0,035 \text{ mol}$$

$$N = \frac{n \times a}{v}$$

$$= \frac{0,035 \text{ mol} \times 2}{1 \text{ L}}$$

$$= 0,07 \text{ N}$$

2. Pembuatan larutan Iodine(I₂) 0,0007N dalam 500 ml

Diketahui :

N₁ = 0,0692

V₁ = 5 ml

N₂ = 500 ml

Ditanya ? V₂

Jawab :

$$N_1 \cdot V_1 = N_2 \cdot V_2$$

$$0,0692 \cdot 5 \text{ ml} = 500 \text{ ml} \cdot N_2$$

$$N_2 = 0,000692 \text{ N}$$

2. Pembuatan larutan NaCl 0,5 M

Diketahui :

M = 0,5

v = 0,5 L

ditanya ? berat NaCl yang dibutuhkan

Jawab :

$$n = M \times V$$

$$n = 0,5 \times 0,5 \text{ L}$$

$$n = 0,25 \text{ mol}$$

$$\text{massa} = \text{mol} \times M_r$$

$$= 0,25 \times 58,5$$

$$= 14,625 \text{ gram}$$

3. Pembuatan larutan amilum 0,02 %

$$\% \text{ w/v} = \frac{\text{gram zat terlarut}}{\text{ml larutan}}$$

$$0,02 \% = \frac{\text{gram}}{100} \times 100\%$$

$$\text{Massa} = 2 \text{ gram}$$