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LAMPIRAN

PERHITUNGAN

Larutan standar lisozim

1. Dua miligram lisozim (70.000 unit/mg) dilarutkan dalam 2 mL aquabides (larutan A). Konsentrasi larutan A = 70.000 kunit/L
2. Sebanyak 0,1 mL larutan A diencerkan dengan 2,9 mL NaCl sebagai larutan B

   Konsentrasi larutan B = 7000 kunit/3mL

   = 2333,33 kunit/L
3. Larutan standar 1 = $\frac{0,5x2333,33kunit/L}{1mL} = 1166,667kunit/L$
4. Larutan standar 2 = $\frac{0,25x2333,33kunit/L}{1mL} = 583kunit/L$
5. Larutan standar 3 = $\frac{0,25x583kunit/L}{2mL} = 291,667kunit/L$
6. Larutan standar 4 = $\frac{0,25x583kunit/L}{4mL} = 145,8kunit/L$
7. Larutan standar 5 = $\frac{0,25x583kunit/L}{8mL} = 72,9kunit/L$

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Lampiran 2

Cara perhitungan $(\Delta A / \Delta t)(60\ s^{-1})$

A. Untuk larutan standar.

1. Hitung $\Delta A_1 / \Delta t = (A_2 - A_1) / \Delta t$, dst sampai dengan $\Delta A_8 / \Delta t$
2. Hitung rata-rata dari hasil no.1
3. Plot $(\Delta A / \Delta t)$ vs konsentrasi lisozim dan dihitung persamaan garisnya dengan regresi linier.

B. Untuk fraksi-fraksi dari sampel dihitung menggunakan cara yang sama dengan perhitugnan larutan standar, kemudian dihitung konsentrasinya menggunakan persamaan garis regresi linier yang telah diketahui

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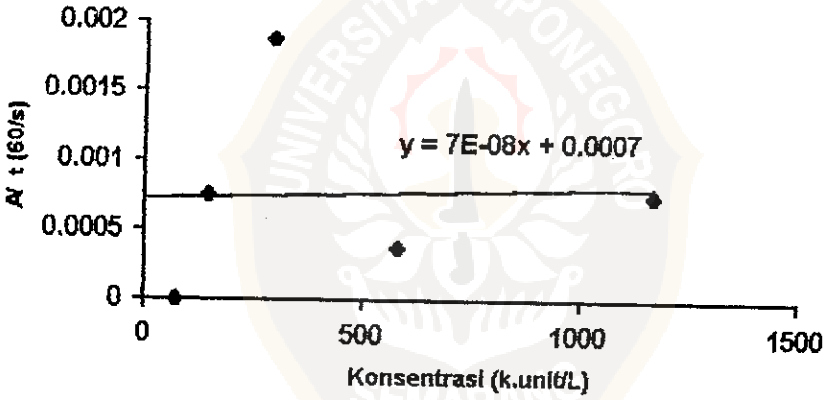
Lampiran 3

Tabel 1 : Perubahan serapan Lisozim standar terhadap waktu

	0 dtk	60 dtk	120 dtk	180 dtk	240 dtk	300 dtk	360 dtk	420 dtk	480 dtk
STD-1	0,352	0,349	0,348	0,348	0,346	0,346	0,347	0,346	0,346
STD-2	0,342	0,338	0,339	0,339	0,338	0,340	0,339	0,331	0,339
STD-3	0,325	0,320	0,319	0,320	0,319	0,319	0,319	0,318	0,310
STD-4	0,322	0,319	0,318	0,316	0,318	0,316	0,314	0,316	0,316
STD-5	0,313	0,314	0,314	0,313	0,312	0,313	0,312	0,312	0,313



Grafik 1 : Aktivitas katalitik lisozim standar

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