

Lampiran 1

PERHITUNGAN PEMBUATAN LARUTAN SERI STANDAR

Larutan seri standar dibuat dengan membuat larutan standar induk 200% dengan menimbang secara akurat 202,06 mg Nystatin masukkan kedalam labu ukur 50 ml, ditambahkan 20 ml Dimetil Sulfoksida dan disonikasi 10 menit, ditambahkan pelarut hingga tanda batas labu ukur.

1. Standar 20%

$$V_1 \times N_1 = V_2 \times N_2$$

$$V_1 = \frac{10 \text{ mL} \times 20\%}{200\%}$$

$$V_1 = 1,0 \text{ mL}$$

2. Standar 40%

$$V_1 \times N_1 = V_2 \times N_2$$

$$V_1 = \frac{10 \text{ mL} \times 40\%}{200\%}$$

$$V_1 = 2,0 \text{ mL}$$

3. Standar 60%

$$V_1 \times N_1 = V_2 \times N_2$$

$$V_1 = \frac{10 \text{ mL} \times 60\%}{200\%}$$

$$V_1 = 3,0 \text{ mL}$$

4. Standar 80%

$$V_1 \times N_1 = V_2 \times N_2$$

$$V_1 = \frac{10 \text{ mL} \times 80\%}{200\%}$$

$$V_1 = 4,0 \text{ mL}$$

5. Standar 100%

$$V_1 \times N_1 = V_2 \times N_2$$

$$V_1 = \frac{10 \text{ mL} \times 100\%}{200\%}$$

$$V_1 = 5,0 \text{ mL}$$

6. Standar 120%

$$V_1 \times N_1 = V_2 \times N_2$$

$$V_1 = \frac{10 \text{ mL} \times 120\%}{200\%}$$

$$V_1 = 6,0 \text{ mL}$$

TABEL PEMBUATAN LARUTAN SERI STANDAR UNTUK PENETAPAN
LINIERITAS

Konsentrasi larutan	Pemipetan Nystatin standar (mL)	Volume akhir larutan (mL)
20%	1,0	10
40%	2,0	10

60%	3,0	10
80%	4,0	10
100%	5,0	10
120%	6,0	10