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Lecture 7 - Assignment 3

1. Menentukan X & Y berdasarkan digit terakhir NIM

$$X = 0$$

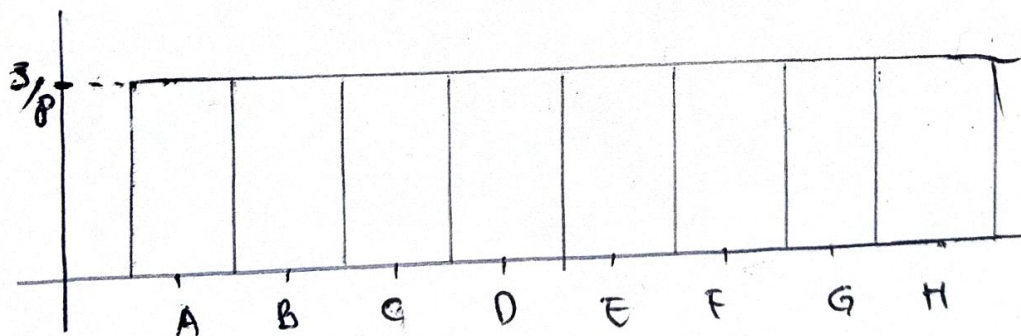
$$Y = 9$$

2. Jumlah mahasiswa $\rightarrow 8+X$
 $= 8+0 = 8$

dipilih secara acak 3 mahasiswa
peluang masing-masing mahasiswa = ?

$$f(x, k) = \frac{3}{8} \rightarrow \text{peluang setiap mahasiswa}$$

3. Diagram distribusi peluang



4. Rataan : $\mu = \frac{\sum_{i=1}^k x_i}{k}$ atau $\mu = \frac{n+1}{2} \rightarrow \mu = \frac{8+1}{2} = 4,5$

5. Varians $\sigma^2 = \frac{\sum_{i=1}^k (x_i - \mu)^2}{k}$ atau $\sigma^2 = \frac{n^2-1}{12} = \frac{8^2-1}{12} = \frac{63}{12}$

6. Distribusi Deviasi $\sigma = \sqrt{\frac{n^2-1}{12}} = \sqrt{\frac{8^2-1}{12}} = \sqrt{\frac{63}{12}} = 2,91$