

Subyek: Facilmun Nisai  
(3022010010)

Tanggal :

Ming	Sen	Sel	Rab	Kam	Jum	Sab
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NO	X1	X2
1	2	2
2	3	2
3	1	1
4	3	1
5	1.5	0.5

Jumlah cluster = 2

Pusat cluster  $\rightarrow$  Acak  $(c_1) = (1, 1)$  &  $(c_2) = (3, 1)$

$C_1 =$

$$(2-1) + (2-1) = 2$$

$$(3-1) + (2-1) = 3$$

$$(1-1) + (1-1) = 0$$

$$(3-1) + (1-1) = 2$$

$$(1.5-1) + (0.5-1) = 0$$



$$C_2 =$$

$$(2-3) + (2-1) = 0$$

$$(3-3) + (2-1) = 1$$

$$(1-3) + (1-1) = -2$$

$$(3-3) + (1-1) = 0$$

$$(1,5-3) + (0,5-1) = -2$$

Data	$X_1$	$X_2$	$C_1$	$C_2$	Cluster
1	2	2	2	0	C1
2	3	2	3	1	C1
3	1	1	0	-2	C2
4	3	1	2	0	C1
5	1,5	0,5	0	-2	C2

$$C_2 = ((2, 2) (3, 2) (1, 1) (3, 1) (1, 5, 0, 5))$$

$$C_2 =$$

$$Y_1 = 2 + 3 + 1 + 3 + 1,5 / 5 = 10,5 / 5 = 2,1$$

$$Y_2 = 2 + 2 + 1 + 1 + 0,5 / 5 = 6,5 / 5 = 1,3$$

$$C_2 = ((2, 1) (1, 3))$$

Jadi, dapat disimpulkan bahwa Cluster 2 memiliki jawaban yang tepat karena nilai jarak ke Cluster 2 lebih rendah.