



point	x	y
P ₁	0,40	0,53
P ₂	0,22	0,38
P ₃	0,35	0,32
P ₄	0,26	0,19
P ₅	0,08	0,41
P ₆	0,45	0,30

clustering dengan jumlah $k = 2$

- iterasi 1

$p_1 (0,22, 0,38)$

$p_2 (0,35, 0,32)$

point	p_1	p_2	C
1	$\sqrt{(0,4-0,22)^2 + (0,53-0,38)^2} = 0,234$	$\sqrt{(0,4-0,35)^2 + (0,53-0,32)^2} = 0,263$	1
2	$\sqrt{(0,22-0,22)^2 + (0,38-0,38)^2} = 0$	$\sqrt{(0,22-0,35)^2 + (0,38-0,32)^2} = 0,193$	1
3	$\sqrt{(0,35-0,22)^2 + (0,32-0,38)^2} = 0,143$	$\sqrt{(0,35-0,35)^2 + (0,32-0,32)^2} = 0$	2
4	$\sqrt{(0,26-0,22)^2 + (0,19-0,38)^2} = 0,194$	$\sqrt{(0,26-0,35)^2 + (0,19-0,32)^2} = 0,158$	2
5	$\sqrt{(0,08-0,22)^2 + (0,41-0,38)^2} = 0,143$	$\sqrt{(0,08-0,35)^2 + (0,41-0,32)^2} = 0,285$	1
6	$\sqrt{(0,45-0,22)^2 + (0,3-0,38)^2} = 0,244$	$\sqrt{(0,45-0,35)^2 + (0,3-0,32)^2} = 0,102$	2

$$\bar{x}_{p_1} = (0,23, 0,44)$$

$$\bar{x}_{p_2} = (0,35, 0,27)$$

- Iterasi 2

$P_1 (0.23, 0.44)$

$P_2 (0.35, 0.27)$

Point	P_1	P_2	C
1	$\sqrt{(0.4-0.23)^2 + (0.53-0.44)^2} = 0.192$	$\sqrt{(0.4-0.35)^2 + (0.53-0.27)^2} = 0.265$	1
2	$\sqrt{(0.22-0.23)^2 + (0.38-0.44)^2} = 0.061$	$\sqrt{(0.22-0.35)^2 + (0.38-0.27)^2} = 0.17$	1
3	$\sqrt{(0.35-0.23)^2 + (0.22-0.44)^2} = 0.17$	$\sqrt{(0.35-0.35)^2 + (0.32-0.27)^2} = 0.05$	2
4	$\sqrt{(0.26-0.23)^2 + (0.19-0.44)^2} = 0.252$	$\sqrt{(0.26-0.35)^2 + (0.19-0.27)^2} = 0.120$	2
5	$\sqrt{(0.08-0.23)^2 + (0.44-0.44)^2} = 0.177$	$\sqrt{(0.08-0.35)^2 + (0.44-0.27)^2} = 0.304$	1
6	$\sqrt{(0.45-0.23)^2 + (0.3-0.44)^2} = 0.264$	$\sqrt{(0.45-0.35)^2 + (0.3-0.27)^2} = 0.104$	2