**READ** file gambar

[X, Y] = size(gambar)

cX = floor(X/2)

cY = floor(Y/2)

crop = gambar[cX-floor(X/4):cX+floor(X/4), cY-floor(Y/4):cY+floor(X/4, :]

crop\_hsv = rgb2hsv(crop)

**DISPLAY** gambar

**DISPLAY** crop

**DISPLAY** crop\_hsv

[N, M, L] = size(crop)

**FOR** n = 1, 2, 3, … , N **DO**

**FOR** m = 1, 2, 3, … , M **DO**

**CALCULATE** nilai Hue, Saturation, dan Value

**CALCULATE** koordinat silinder 3D dalam tampilan 2D

**CALCULATE** koordinat nilai HSV pada tampilan 2D

**CALCULATE** koordinat nilai HSV

**END FOR**

**END FOR**

**FOR** b = 0, 1, 2, … , 255 **DO**

**FOR** g = 0, 1, 2, … , 255 **DO**

**FOR** r = 0, 1, 2, … , 255 **DO**

**CALCULATE** nilai Hue, Saturation, dan Value

**CALCULATE** koordinat silinder 3D dalam tampilan 2D

**CALCULATE** koordinat silinder 3D pada tampilan 2D

**CALCULATE** koordinat silinder 3D

**END FOR**

**END FOR**

**END FOR**

**DISPLAY** silinder 3D dan nilai HSV pada tampilan 2D