Nama: Akram Farrasanto

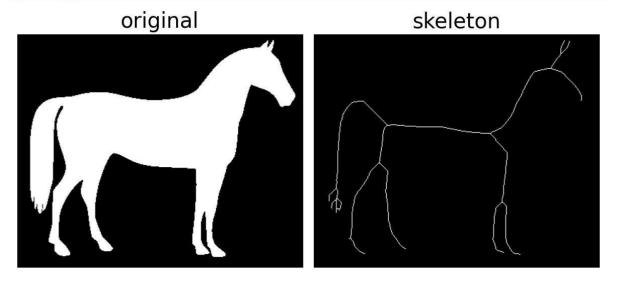
Kelas: TI.22.A.2

NIM: 312210245

Matkul: Pengolahan Citra

```
figure 1

from skimage.morphology import skeletonize
from skimage import data
import matplotlib.pyplot as plt
from skimage.util import invert
from skimage.util import invert
from skimage.util import invert
from skeletonize image
image invert (data.horse())
freperform skeletonization
skeleton = skeletonize(image)
fig, axes = plt.subplots (nrows=1, ncols=2,figsize=(8, 4),sharex=True,sharey=True)
ax = axes.ravel ()
ax = axes.ravel ()
ax = axes.ravel ()
ax = a().imshow(image, cmap=plt.cm.gray)
ax = ax().imshow(image, cmap=plt.cm.gray)
ax = ax().imshow(skeleton, cmap=plt.cm.gray)
ax = ax().imshow(skeleton, cmap=plt.cm.gray)
from ax().set_title('skeleton', fontsize=20)
from fig.tight_layout ()
from from skimage import skeletonize
from skimage.morphotors
from skimage.mor
```



```
import numpy as np
    from skimage.color import rgb2gray
    from skimage import data
    from skimage.filters import gaussian
 6 from skimage.segmentation import active_contour
 9 img = data.astronaut()
10 img_gray = rgb2gray(img)
13 s = np.linspace(0, 2 * np.pi, 400)
14 x = 220 + 100 * np.cos(s)
15 y = 100 + 100 * np.sin(s)
    init = np.array([x, y]).T
19 cntr = active_contour(gaussian(img_gray, 3), init, alpha=0.015, beta=10, gamma=0.001)
22 fig, ax = plt.subplots(1, 2, figsize=(7, 7))
23 ax[0].imshow(img_gray, cmap=plt.cm.gray)
24 ax[0].set_title("Original Image")
    ax[1].imshow(img_gray, cmap=plt.cm.gray)
26 ax[1].plot(init[:, 0], init[:, 1], '--r', lw=3)
27 ax[1].plot(cntr[:, 0], cntr[:, 1], '-b', lw=3)
28 ax[1].set_title("Active Contour Image")
   plt.show()
```

