Abstract

Face is one of the identity owned by human. In recognizing someone's face, we can use a lot of method which can be implemented. One of the method is using Convolutional Neural Network(CNN).

Convolutional Neural Network or we called CNN is a part of *Deep Learning* which learning to find the best representation. The dataset used is The Extended Yale Face Database B, which is facial image dataset. Using dropout process produced best accuracy result with 89.73%. If the data was tested with testing data, the result is 75.79%.

Keywords : *Face Recognition, Deep Learning, Convolutional Neural Network, dropout*