

Abstract

Breast cancer is the cancer that take first rank on relative frequency of cancer case in Indonesia. One of method that can be used to detect breast cancer is using mammogram, an x-ray image that can be used to detect breast cancer but because lack of medical expert that can read mammogram can inhibit diagnose of breast cancer. Based on this case, then created system to detect mammogram using convolutional neural network that a deep learning method that can be used to detect image also with using android device. Method that made has 88.31% accuracy on mammogram images

Keywords : *Breast cancer, mammogram, convolutional neural network, android*