

## ABSTRACT

*Lack of public awareness of health will cause serious problems. A small example, people now tend to always consume fatty foods without thinking about the risk of cholesterol levels in the body. Information on the level of cholesterol suffered by humans can be seen on the human eyelids. The eyelid is one part of the eye, by observing the shape and condition of the eyelids, health practitioners can find out information about a person's health, but this is sometimes not realized and ignored by the community.*

*Early detection application is an application made to detect cholesterol based on the shape of the eyelids. This application can determine whether someone is exposed to what cholesterol is not using the Convolutional Neural Network (CNN) method in the classification process. The accuracy obtained in the image classification of the eyelid is 95.0%.*

**Keyword :** *Convolutional Neural Network, Xhantelasma*