ABSTRACT

Cancer is one of the biggest causes of death now, cancer is also a disease that is very difficult to cure and still relatively difficult to treat, the skin can also be a medium that can cause cancer. Prevention and detection of skin cancer early is one of the best ways to reduce the greater risk that can be caused by the disease, in this paper will explain the making of applications to detection cancer skin Carcinoma Basal Cell type nodular using Image Processing with tested by comparing the feature dermatofibroma and Basal Cell Carcinoma features.

In this final project the system is made based on Android to support input features by comparing the 4 criteria of the feature, that is Asymmetry, Border, Color, and Diameter. The extraction method used in the feature xtraction is the ABCD feature with classification using K-Nearest Neighbor.

The findings of the Basal Cell Carcinoma detection system developed in this study were successfully supported with an achievement rate of 69%.