ABSTRACT

The variety of race of cats that go to Indonesia as well as activities undertaken by the cat community to introduce the cat to the public make specialization of the cat as a pet at home also increasing. The increased popularity of cats as a pet affects also with the problems faced by cat lovers. One of them is that many of them often lose their favorite cat. Therefore, this study aims and focuses on digital image processing that is used to know or about the identity and ownership of the cat. The system uses the LBP (Local Binary Pattren) algorithm that is used to recognize the characteristics of catnose print and Linear Discriminant Analysis (LDA). So that can be known identity and ownership of the cat.

Keyword : *Local Binary Pattern (LBP), Biometrics identification, nose print, Linear Discriminant Analysis (LDA).*