

ABSTRACT

Technological growth makes people life easier in many fields. Not only for education, government or health facilities, it also grows on lifestyle field. For example, many people spend their time for hobby, especially for bird lovers, chirping lovebird contest existence increasingly go up recently. Its popularity as a contest can be concluded stable than others. In order to differentiate Lovebird's chirping quality, required a system which can detect birds chirping.

This final project build up an application system which can classify type and quality of Lovebird's chirping. This system applied Mel Frequency Cepstral Coefficients (MFCC) Method as a characteristic to differentiate quality bird's chirping and Fuzzy Logic to classify type bird's chirping.

In this final Project has been simulated system that can classify the sounds quality bird's chirping whether its good, medium, or bad. The accuracy of this system is 91.67% with computing time 190.229 second.

Keys : Lovebird, Warble, MFCC, Fuzzy Logic