

# *Feature Extraction for swiftlet sound attraction*

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***Abstract***— This research about the analysis of sound for swiftlets to enter the swiftlets house. There are important thing for industry to attract swiftlets enter and build their nests in man-made house. Swiftlet house use swiftlet voice call recording to attract attention bird go inside house to be doing nest. Therefore, this study analyze sound features that has attracted attention bird. By apply technique Mel-Frequency Cepstral Coefficient (MFCC) in speech processing on swiftlet sound. The sample of swiftlet voices are play on in swiftlet's house used to find the coefficient.

***Keywords***—swiftlet; sound; attraction; MFCC

and build nest. These sounds just taken using trial and error method without analysis of sound involve in signal to attract the swiftlets. This method is sometimes successful to attract the swiftlets, but certainly these sounds contains noisy and disturb by another sound.

The objective of this research is to identify the sound of characteristic for swiftlets attraction. There are 10 samples of sound have placed at external location in swiftlets's house to be analyzed for frequency and magnitude.

## II. SWIFTLET ATTRACTION