

## **ABSTRACT**

Development phenomenon of search technologies (search engines) began to emerge with a variety of innovations to facilitate for search something. People use a search engine to find something from a lot of data stored on a directory both offline and online. Sometimes people only remember a few characteristics about something without knowing the title surely look and unwittingly complicates the search.

Search engine is a computer program designed to perform a search on files stored in a directory service such as www, ftp, publication list, or in a newsgroup or a computer in a network. This final project has created an application search engine which the input is human singing. The classification method used is the Backpropagation Artificial Neural Network (ANN-BP) and Euclidean Distance.

This application can process that recorded voice through a microphone and then digitally processed sound with Mel Frequency Cepstral feature extraction cepstrum (MFCC). The expected output is a song title sought. This application, find the song title when the search process is done by singing several verses of songs. Though this system is sensitive to face noise and has accuracy level 50% with Euclidean Distance method.

**Keywords :** *Search Engine*, ANN-BP, Euclidean Distance, MFCC