ABSTRACT

Words were spoken by a human being is unique. Because of this, the research on the rapidly growing Voice Recognition and continued research so that the words can be used as a key to make people easier to authentication and supports the security system in the future.

The final task is performed based on the uniqueness of the word to serve as a key, to determine the characteristics of Wavelet Packet Decomposition method is used, tests performed by text-dependent and K Nearest Neighbor method for the classification

In this final project we generated the key can function as intended with 96% accuracy with a relatively short time.

Key Word: *Wavelet Packet Decomposition, Voice Recognition, K Nearest Neighbor*