

Abstract

In some case, system must able to differentiate human voice. Syatem which can differentiate that human voice was called speaker recognition. Each of person has some unique feature. Those feature that were known by system to differentiate who was speaking. The problem appear is how system get the feature which can descriptive individual more actual and detail every one person. Human voice has spectral frequency between 300 – 3400 Hz which may be voice from personal one person defined as person else and voice from two person defined as one person. So that, speaker recognition is false. In that research explain about speaker recognition use Overlapping Decomposition Packet Wavelet (ODWP) and neural network Backpropagation (*JST BP*). Voice from some one would be decomposed by ODWP with scenario which would be planed, further descrete cosine transform would be used at subband energy and then feature would be differentiated/classified by Neural Network Backpropagation (*JST BP*).

Key Words: Speaker Recognition, ODPW, JST BP, descrete cosine transform.