Abstract

This paper describes a method of handwriting recognition. With handwriting recognition, process of retyping data that has been written on a paper can be more effective by the reduction of time and energy needed in the process to input data to the database. The manual process to input data usually need a long time depends on how much the data to be input. At the recent time, many research about handwriting recognition still in progress. A low accuracy level depends on how training set data and method used still being a problem exists in these researches.

Kohonen SOM with the ability to have several winner nodes and simpler and faster process, can give a great accuracy level in handwriting recognition. MDF that is especially build to extracts the feature of alphabet or numeric character, give a great feature to help SOM in classification process. Based on experiment, feature that extracted with MDF method is quite good. Usage of ratio feature can also make the quality of the feature better. And with bigger topology map in SOM, accuracy level for handwriting recognition can be better.

Keywords: *handwriting recognition, MDF, SOM*