

Abstract

Expanding variety of information technology electronic information in this time is important. Various source of information like book not at all available in electronic edition. For that will be developed a system recognition of character automatically of digital image in the form of result of scan document.

At this final project will be made a system recognition of character at digital document consisting of character extraction sub-system, pre-processing sub-system and of sub-sitem classification. Used area voronoi diagram method to get character representate is character ekstraksi sub-sitem, while attenuation process and data attenuating at pre-processing sub-sitem used by using classic algorithm and usage of artificial neural network (backpropagation) at classification sub-system.

Result of analysis indicate that with diagram area method concept of voronoi can for the segmentation of character from a word with good resul including of overlapped character. And with merger of diagram area method voronoi and artificial nerve network can be used to recognize characters at one particular document image with good enough accuration storey.

Keyword : Area Diagram Voronoi, Backpropagation, Document Image, Jaringan Syaraf Tiruan, Karakter.