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Penulis : **Dannu Purwanto, Agustiyar**
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Introduction *

tolong ditambahkan mengenai Contoh Aplikasi OCR dalam Berbagai Bidang, mengapa Pentingnya Akurasi dan Efisiensi dalam Pengenalan Teks, Perkembangan Terbaru dalam Teknologi OCR: Menyajikan informasi tentang perkembangan terbaru dalam teknologi OCR, seperti penggunaan kecerdasan buatan (AI)

Material And Method *

sudah sesuai

Result *

Tidak disebutkan apakah ada pengujian tambahan untuk menguji validitas hasil atau apakah ada pengujian ulang untuk memastikan hasil yang konsisten dari iterasi ke iterasi.

Discussion *

belum ada

Literature Cited *

berikan 5 th terakhir

Advice *

blm ada saran yang ditampilkan

Conclusion *

Selain presentase ketepatan, penting untuk memberikan analisis kualitatif mengenai keunggulan dan kelemahan dari pendekatan yang digunakan. Hal ini dapat mencakup pertimbangan terhadap karakter-karakter yang salah terdeteksi atau tidak terdeteksi, serta faktor-faktor apa yang mungkin memengaruhi hasil tersebut.

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GLOBAL THRESHOLDING IMPLEMENTATION FOR NOISE HANDLING IN DIGITAL IMAGE RECOGNITION

Dannu Purwanto, Agustiyar Agustiyar

Abstract

Text recognition (OCR - Optical Character Recognition) is a research field that is gaining widespread attention due to its wide application in image and document processing. Although OCR technology has achieved a high level of success, the main challenge faced is the presence of noise in text image, noise causes decreased text recognition results, noise causes miss classification. Therefore needed noise handling text recognition. The aim of this research is to provide valuable insight into the techniques and approaches used in the context of noise treatment using global threshold methods. The method used starts from an input digital image, then preprocessing is carried out by converting the image into a gray scale image, then a threshold is applied to the image, then recognition is carried out. From 6 experiments, the best results were obtained for character recognition with a threshold value (t) of 65 and a character recognition accuracy percentage of 94.29%. T value determined manually and static for separates the all object and the background, while in reality the lighting or contrast always varies. Suggestions for further research include developing an adaptive thresholding method approach to obtain threshold values automatically and optimally. So that if faced with varying lighting conditions or contrast, better results can be obtained.

Keywords

Segmentation; Character Recognition; Global Thresholding; Noise

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