ABSTRACT

The rapid development of technology today requires us to develop more efficient and effective ways to convert handwritten or hardfile document text into digital text. Therefore, a platform is needed that uses Optical Character Recognition (OCR) technology to scan handwritten or hardfile document text and convert it into editable and savable digital text.

Thus, a website was created that can convert handwritten or hardfile document text and convert it into digital text. This website is designed to make it easy for users to convert to digital format without having to go through a manual process. Users only need to upload the image containing the handwriting to the website. OCR will scan the image and convert it into digital text. In designing this website, important factors such as the speed and accuracy of character recognition by OCR are taken into account. This website is also equipped with a text editing feature so that users can correct character recognition errors by OCR.

This design involved testing text recognition by tesseract.js 10 times for handwritten images and 10 times for hardfile documents and website performance testing. The test results show that the average accuracy level of OCR testing for hardfile documents is 99.69% and 91.27% for handwritten images.

Keywords: *Website, OCR, optical character recognition, text digital, tesseract.js*