

Pengurangan Noise untuk Citra dengan Adaptive Multiscale Products Thresholding

Deskripsi Lengkap: <https://lib.ui.ac.id/detail?id=131508&lokasi=lokal>

Abstrak

It is realized that an important thing in medical image visualization serving is to be able to see human as observe. Nevertheless, certain noise is rising in image acquisition causes image quality is reducing. An image involvement is a process in which an image can be best analyzed. Denoising is a one of the image enhancement techniques. An adaptive thresholding technique based wavelet serves to reduce noise from medical image. A discrete wavelet transformation is used in this research. The STH (Soft Thresholding), HTH (Hard Thresholding), and MPTH (Multiscale Products Thresholding) methods are used to calculate and compare as medical image Denoising results. Two criteria, MSR (Mean-to-Standard Deviation Ratio) and CNR (Contrast-to-Noise Ratio) have proposed to perform as Denoising at medical image. From the result, it can be concluded that denoising by using MPTH (Multiscale Products Thresholding) method, the values of MSR (Mean-to-Standard Deviation Ratio), CNR (Contrast-to-Noise Ratio) are greater than STH (Soft Thresholding), and HTH (Hard Thresholding) can be obtained.