

The processing of ultrasonographic image with the computer aid

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Deskripsi Lengkap: <https://lib.ui.ac.id/detail?id=81522&lokasi=lokal>

Abstrak

ABSTRACT

Ultrasonography is an investigation by using ultrasonal wave and image. An ultrasonal tool (USG) by using transducer patched to an object can arise electrical current. This current is an electrical information that will be strengthened and can be presented as an image on the screen monitor.

Due to the limit of USG instrument that can only present the image and it does not have the ability to manipulate imaginary data. To be able to manipulate the image, one needs a computer aid instrument.

The aim of this research is to transfer USG data to the computer by using card-interface video capture in order to manipulate at least:

- enhancement of contrast

- histogram

- zooming

- noise reduction

- image sharpening

- image segmentation