

Application Of Dynamic Segmentation In Stroke Detection Software With ANN

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Accepted 01 January 2022
Approved 19 February 2022

Abstract—One way to find out whether there is a stroke is to do a CT scan. But the results of the examination with a new CT scan can be obtained in quite a long time. In addition, sometimes there are differences of opinion between doctors and radiologists regarding what is seen from the results of the examination. This research was conducted to produce a software that can later be integrated with the existing system on the CT Scan tool so that it can immediately be known whether or not stroke is present from the CT Scan results. In this study, a dynamic image segmentation method is implemented, namely the watershed transformation method which will

By doing a CT scan, we can get very accurate pictures of the bones, blood vessels and organs in the body. A CT scan uses X-rays to take pictures. In the brain and head, X-rays are absorbed differently by different parts of the body. Bone will absorb the most X-rays, so the image that appears to be photographed is white. Meanwhile, the fluid in the brain is black [3]. However, CT-Scan cannot detect damage when the damage is too small. CT-Scan cannot determine instantly the type of disorder. This causes some cases of stroke difficult to detect quickly using a CT-Scan.

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