Application of Dynamic Segment...
Stroke Detection Software with

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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 later produce regions as a feature for the stroke detection process carried out with the backpropagation algorithm. From experiments conducted on CT scan images of the brain, this method can detect stroke well. The results obtained are 100% for training data (20 images consist of 10 normal brain and 10 stroke brain) and 90% for test 10 images of data.

By doing a CT scan, ... pictures of the bones, blood... body. A CT scan uses X-ra... brain and head, X-rays are... different parts of the body. ... X-rays, so the image that ap... is white. Meanwhile, the fl... [3]. However, CT-Scan can... the damage is too small. C... instantly the type of disorde... of stroke difficult to detect c...

To establish the diagn... stroke or not is not an easy t... procedures must be carried o... doctor finally diagnoses a r... of the steps that is usually e... the brain and head with a... usually occur when examini...