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Jurnal Aiti diterbitkan oleh Fakultas Teknologi Informasi
Universitas Kristen Satya Wacana Salatiga.

Penerapan Logika *Fuzzy* pada Sistem Deteksi Tepi Aplikasi *Computer Assistant Diagnosis* Kanker Payudara

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Abstract

The breast cancer constitutes the most frequent cause of woman's death in developing countries, and 35% of women age 35 – 55 in industry countries. The best way to reduce the death rate caused by carcinoma breast is by early detection and treatment. Computer assisted diagnosis system gives a great possibility for the equipment needed. Fuzzy Edge Detection is one of many operations done in image processing. It's been used to identify the object in the image which makes it possible to characterize and detect the tumor based on abnormal structure. However this method should not be applied without other application's assistance such as morphological watershed algorithm for its accuracy.

Keywords: Edge Detection, Fuzzy Logic , Medical Image Processing, Breast Cancer