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HASIL PENILAIAN SEJAWAT SEBIDANG ATAU *PEER REVIEW*
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Judul karya ilmiah (artikel) : Classification of Ischemic Stroke with Convolutional Neural Network (CNN) approach on b-1000 Diffusion-Weighted (DW) MRI

Jumlah Penulis : 5 penulis

Status Pengusul : Andi Kurniawan Nugroho, **Dinar Mutiara Kusumo Nugraheni**, Terawan Agus Putranto, I Ketut Eddy Purnama, Mauridhi Hery Purnomo

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d. Penerbit : Politeknik Elektronika Negeri Surabaya
e. DOI : 10.24003/emitter.v10i1.694
f. Alamat web jurnal : https://emitter.pens.ac.id/index.php/emitter/article/view/694/251
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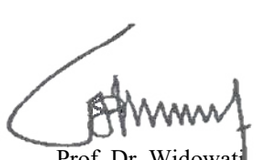

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Jabatan Fungsional : Guru Besar

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4. **Kelengkapan unsur dan kualitas terbitan** :
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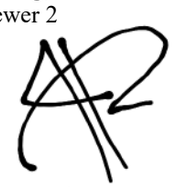

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Classification of Ischemic Stroke with Convolutional Neural Network (CNN) approach on b-1000 Diffusion-Weighted (DW) MRI

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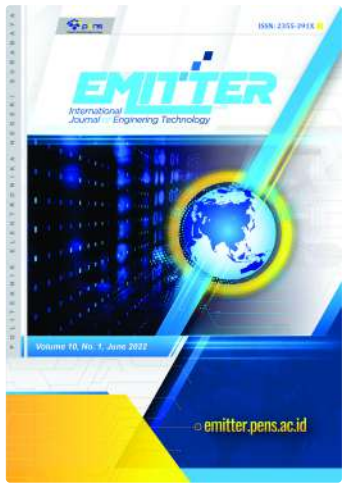

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Keywords: Ischemic Stroke, Classification, CNN, b-1000 Diffusion-Weighted (DW) MRI, Accuracy

ABSTRACT

When the blood flow to the arteries in brain is blocked, its known as Ischemic stroke or blockage stroke. Ischemic stroke can occur due to the formation of blood clots in other parts of the body. Plaque buildup in arteries, on the other hand, can cause blockages because if it ruptures, it can form blood clots. The b-1000 Diffusion Weighted (DW) Magnetic Resonance Imaging (MRI) image was used in a

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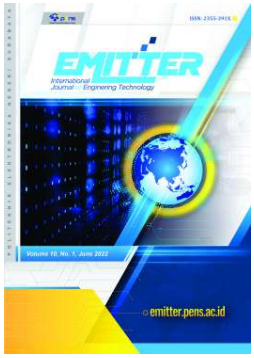

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A Machine learning Classification approach for detection of Covid 19 using CT images

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Classification of Ischemic Stroke with Convolutional Neural Network (CNN) approach on b-1000 Diffusion-Weighted (DW) MRI

: 10.24003/emitter.v10i1.694

Andi Kurniawan Nugroho, Dinar Mutiara Kusumo Nugraheni, Terawan Agus Putranto, I Ketut Eddy Purnama, Mauridhi Hery Purnomo 195-216

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Integrated Multi-view 3D Image Capture and Motion Parallax 3D Display System

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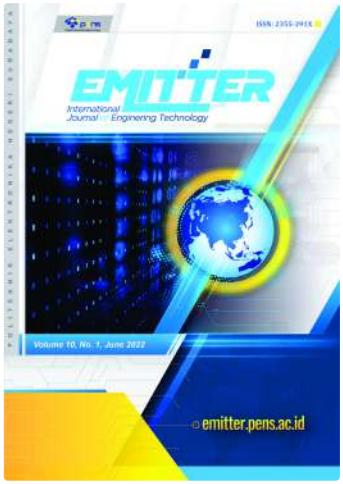

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Keywords: Multi-view Imaging, 3D Imaging, Motion Parallax Display, Image Rendering

ABSTRACT

We propose an integrated 3D image capture and display system using a transversely moving camera, regular 2D display screen and user tracking that can facilitate the multi-view capture of a real scene or object and display the captured perspective views in 3D. The motion parallax 3D technique is used to capture the depth information of the object and display the corresponding views to the user using head tracking. The system is composed of two parts, the first part consists of a horizontally moving camera interfaced with a customized camera control and capture application. The second part consist of a regular LCD screen combined with web camera and user tracking application. The 3D multi-view

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Lal, M., Baloch, S. K., & Soomro, S. R. (2022). Integrated Multi-view 3D Image Capture and Motion Parallax 3D Display System. *EMITTER International Journal of Engineering Technology*, *10*(1), 1-13. https://doi.org/10.24003/emitter.v10i1.604

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An Improvement of Computer Based Test System Based on TCExam for Usage with A Large Number of Concurrent Users

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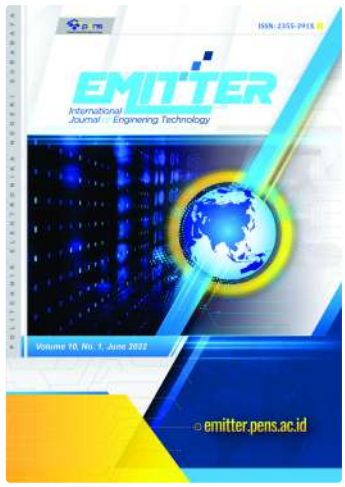

PDF

Keywords: computer-based-test, TCExam, php, sql

ABSTRACT

Computer-based test or assessment has been used widely, especially in the current COVID-19 pandemic, where many schools are conducting distance learning as well as distance examination. The need for a computer or software system to support education is inevitable. A range of solutions, from the free/open source software systems to the paid/proprietary ones have been publicly available. Still, an organization with limited resources prefers to find free or low-budget, while yet demanding reliable solutions. We have reported the use of the computer-based test in a new student recruitment test which is held country-wide. We developed the system based on TCExam, a free and open source computer-based test software, and successfully fulfilled the

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Anang, Y., Utama, R. J. Y., Takahashi, M., & Watanabe, Y. (2022). An Improvement of Computer Based Test System Based on TCExam for Usage with A Large Number of Concurrent Users. *EMITTER International Journal of Engineering Technology*, *10*(1), 14-30. https://doi.org/10.24003/emitter.v10i1.667

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A Machine learning Classification approach for detection of Covid 19 using CT images

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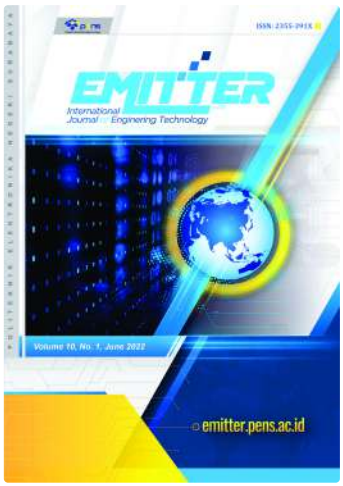
DOI: https://doi.org/10.24003/emitter.v10i1.672

Keywords: Covid, SVM, Random Forest, Computed Tomography, GLCM



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ABSTRACT

Coronavirus disease 2019 popularly known as COVID 19 was first found in Wuhan, China in December 2019.

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Rapid Control Prototyping of Five-Level MMC based Induction Motor Drive with different Switching Frequencies

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Text Mining for Employee Candidates Automatic Profiling Based on Application Documents

Politeknik Elektronika Negeri Surabaya (PENS) EMITTER International Journal of Engineering Technology Vol 10 No 1 (2022) 47-62

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Low Power, Area Efficient Architecture for Successive Cancellation Decoder

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