

ISSN 0126–1568, E-ISSN 2356–5322
Accreditation No.: 204/E/KPT/2022

atom indonesia

<https://atomindonesia.brin.go.id/>

VOL. 51
NO. 2
August 2025

C o n t e n t s

Editorial	i
Atmospheric Plasma-Assisted Preparation of Graphene Oxide from Biomass: Characterization and Elemental Analysis A. H. Handayani, F. Amalia, E. V. Noviantana, T. R. Mulyaningsih, A. Waris, A. Dimiyati	89
Brain Tumor Segmentation in MR Images Using Swin Transformer A. Nur, K. Nurhanafi, E. R. Putri	97
Dosimetric Evaluation of Very High Energy Electron (VHEE) Beams in the Male Pelvic Region Using Geant4/TOPAS E. M. Essaidi, M. Krim, O. Kaanouch, M. Tantaoui, M. R. Mesradi, D. Abdessamad, D. Benchekroun	109
Safety Assessment of TENORM Waste Landfill on Bangka Island Using Resrad Offsite 4.0 A. Setiawan, M. Kurniati, D. Iskandar, S Sucipta, H. A. Pratama, R. Setiawan	119
A Multicenter Study of IMRT Dosimetry Audit Testing Using C-shape Phantom B. Dwinesti, D. Ryangga, F. Dimitri, A. D. Handika, M. Fadli, A. M. Y. Putranto, S Suharsono, S. A. Pawiro	131
Development of a Vietnamese PET/CT Dataset for Machine Learning-Based Analysis of Non-Small Cell Lung Cancer Images H. Q. Tuan, T. T. Duong, B. N. Ha, N. H. Quyet, L. V. Tinh, C. V. Tuynh, V. K. Nam, L. T. Q. Dao, C. V. Luong, D. T. M. Linh, D. T. Nhung, N. D. Nguyen, V. Q. Trang	137
Seismic Risk Analysis of the Serpong Nuclear Complex and the RSG-GAS Reactor Using Microseismic Methods A. Satriyo, W. Suryanto, T. Anggono, M. Subekti, S Sucipta, J. Jatnika, R. Swastikarani, N. Sugianto	145
Exploring the Effect of Different Scanning Protocols on the Modulation Transfer Function H. Arjah, N. D. Osman, H. ALMasri, C. Anam, M. E. Aziz	165
The Dependence of the Rupture Probability on the Mass Number of the Fissionable Nucleus Z. Auliya, R. Kurniadi, D. Irwanto	173
Investigation of Dose Effect of ICRP110 Male and Female Head Phantoms During BNCT and PBFT by Monte Carlo Simulations H. Korkut, T. Korkut, V. P. Singh	179
Acknowledgment	185