

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

atom indonesia

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

VOL. 50
NO. 1
APRIL 2024

C o n t e n t s

Editorial	i
Investigation of Tissue Components Impacts on Dose Enhancement Factor Using Monte Carlo Code M. N. AL-suhbani, N. E. H. Baghous, S. Serag, C. EL Mahjoub, L. Ait-Mlouk, A. Zia, B. Hamid, M. Azougagh	1
Neutronic Design Modification of Passive Compact-Molten Salt Reactor R. A. P. Dwijayanto, A. W. Harto	9
Differential Cross Section With Volkov-Thermal Wave Function in Coulomb Potential S. H. Dhobi, S. P. Gupta, K. Yadav, J. J. Nakarmi, A. K. Jha	19
Monte Carlo Methods to Simulate the Propagation of the Created Atomic/ Nuclear Particles from Underground Piezoelectric Rocks through the Fractures Before the Earthquakes A. Bahari, S. Mohammadi, N. S. Shakib, M. R. Benam, Z. Sajjadi	27
Fluka Monte Carlo for Validating Low-Energy Neutron Capture Therapy Tissue with Boron and Gadolinium T. E. Bakolia, A. Didi, R. Sebihi, K. Adambounou, E. Hazou	37
Weighted CTDI Equation for 3D Rotational Angiography: A Monte Carlo Study A. Azzi, R. Hidayat, A. Rosa, L. E. Lubis	43
Radiological Risk to Inhalation of Thoron Gas from Medical Materials Samples Derived from Medical Plants in Iraq A. A. Abojassim, D. J. Lawi, A. B. Hassan	49
Modeling of ^{137}Cs Dispersion in the Atlantic Ocean at Ahanta West Coast: A Hypothetical Candidate Site for Ghana's First Nuclear Power Plant Y. A. Aggrey, M. Amo-Boateng, D. O. Kpeglo, M. Muslim, A. T. Prasteyo	55
The Effect of I-131 Treatment on Complete Blood Count G. Sahutoglu, S. K. Cetin, H. I. Atilgan	67
The Effect of Zinc Concentration on Bioaccumulation in Milkfish (<i>Chanos chanos</i>) Use of ^{65}Zn as a Radioactive Tracer I. B. Wahyono, M Muslim, H. Suseno, C. A. Suryono	71
Acknowledgment	81