

ISSN 0126–1568, E-ISSN 2356–5322
Accreditation No.: 30/E/KPT/2018

atom indonesia

<http://aij.batan.go.id/>

VOL. 47
NO. 1
APRIL 2021

atom indonesia	Vol. 47	No. 1	Page 1 - 77	Tangerang, April 2021	ISSN 0126 - 1568
----------------	---------	-------	-------------	-----------------------	------------------

Contents

Editorial	i
Radon Concentrations in Canned Liquid Juice A. A. Abojassim	1
Study of Dried and Calcinated Ceria Stabilized Zirconia Microspheres Morphology by Small-Angle X-Ray Scattering and Optical Microscopy A. Patriati, A. Insani, N. Suparno, E. Hutamaningtyas, S. Soontaranoon, Mujamilah	5
Measurements of Natural Radionuclides and ¹³⁷ Cs in Airborne Particulate Samples Collected from Bali and Lombok Islands (Indonesia) Syarbaini, Wahyudi, G. Suhariyono, D. Gunawan, E. Suharguniyawan	11
Calculated Electronic Energy Loss of Heavy Ions at Low Energies in LR-115, Kapton, SiO ₂ , and Al ₂ O ₃ Amorphous Materials J. El Asri, O. El Bounagui, N. Tahiri, A. Chetaine, H. Erramli	17
Investigation on the Background Radiation of Abakaliki Rice Mill in Ebonyi State, Nigeria A. Nwachukwu, F. C. Ikeagwuani, A. O. Adeboje	25
Safety Investigation of Hazardous Materials Released from Combined High Temperature Gas Cooled Reactor – Hydrogen Production Plant Using ALOHA Software D. Priambodo, Sunarko, W. W. Purwanto	31
Conceptual Design of Experimental Facility for Large-Diameter NTD-Si at the IRT-T Reactor I. I. Lebedev, D. E. Zolotykh, A. G. Naymushin, N. V. Smolnikov, M. N. Anikin, V. V. Varlachev	39
Synthesis and Characterization of Ordered and Disordered Mesoporous Alumina as High-Performance Molybdenum-99 Adsorbents I. Saptiama, F. Rindiyantono, A. Aries, Y. V. Kaneti, M. Iqbal	45
Reactivity Effects in a Very-High-Temperature Pebble-Bed Reactor D. M. Pérez, L. H. Pardo, D. M. Pérez, L. P. R. Garcia, D. E. M. Lorenzo, C. A. B. de Oliveira Lira	55
Proposed Managements of ¹³⁷ Cs Contaminated Soil: Case Study in South Tangerang City B. Setiawan, D. Iskandar, G. Nurliati, H. Sriwahyuni, Mirawaty, P. A. Artiani, K. Heriyanto, N. E. Ekaningrum, Y. Purwanto, Sumarbagiono	65
Acknowledgment	77