

BULETIN

F I S I K A

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Terbit setiap enam bulan sekali

Kata Pengantar

Puji syukur kami panjatkan kehadapan Tuhan Yang Maha Esa atas terbitnya Buletin Fisika Program Studi Fisika Fakultas Matematika dan Ilmu Pengetahuan Alam Universitas Udayana, Volume 23, No. 2, August 2022.

Dalam volume Buletin kali ini, kami memuat delapan artikel yang merupakan hasil penelitian dan studi *literature*, yaitu:

1. *A Study on Radial Properties of Hydrogenic Ions using Laguerre Polynomials*, Gerda Pandu, Redi Kristian Pingak, Albert Zicko Johannes, Zakarias Seba Ngara
2. *Spectra FTIR Analysis of Kedondong and Pumpkin Fruits, Sweet Potato and Carrot for Choosing Dye Sensitized Solar Cell (DSSC) Materials Using Multivariate Method*, Engelia Rambu Maramba Meha, Windarjoto, Hery Suyanto
3. *Identification of Electrical Properties of Bio-battery based on Spent Coffee Grounds*, Ishak Pawarangan, Wilson Jefriyanto
4. *Analysis Regional Vulnerability of Earthquakes Based on Parameters Fragility Rock Value (B-Value) and Peak Ground Acceleration (PGA) In Bali Province*, Amalia Dwi Lestari, Komang Ngurah Suarbawa, I Wayan Supardi, I Putu Dedy Pratama
5. *Validation of Daily Rainfall Based on Global Satellite Mapping Of Precipitation (GSMaP) Data with Observation Data in the Bali Region*, I Gusti Agung Made Duwanda, I Ketut Sukarasa
6. *Effect of Variation Substitution of Nd and Eu on the Crystal Structure of Y-124 Superconductor ($Y_{1-x-y}Nd_xEu_yBa_2Cu_4O_{8-\delta}$)*, Laura Laudensia Senly Jalut, Wayan Gede Suharta, Windaryoto
7. *Designing Water Level Control Equipment Using SMS-Based Ultrasonic Sensors*, I Putu Eddy Aditya Harrischandra, I Made Satriya Wibawa, Nyoman Wendri
8. *Tsunami Disaster Mitigation Study by Determining Run-Up and the Banyuwangi Area Tsunami Arrival Time*, I Putu Agum Suriajaya Maha Putra, Komang Ngurah Suarbawa, I Gusti Agung Putra Adnyana

9. *Analysis of Earthquake Potential Energy in the Bali Subduction Zone*, Ni Putu Juliyant Ananda Rika Pangastuti, Komang Ngurah Suarbawa, I Ketut Putra, Ni Luh Desi Purnami

Kami mengucapkan terimakasih kepada semua pihak terkait yang telah membantu terlaksananya penerbitan Buletin ini, dan kepada pembaca kami mohon kritik dan saran yang membangun untuk kesempurnaan Buletin Fisika ini.

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