



Fisika



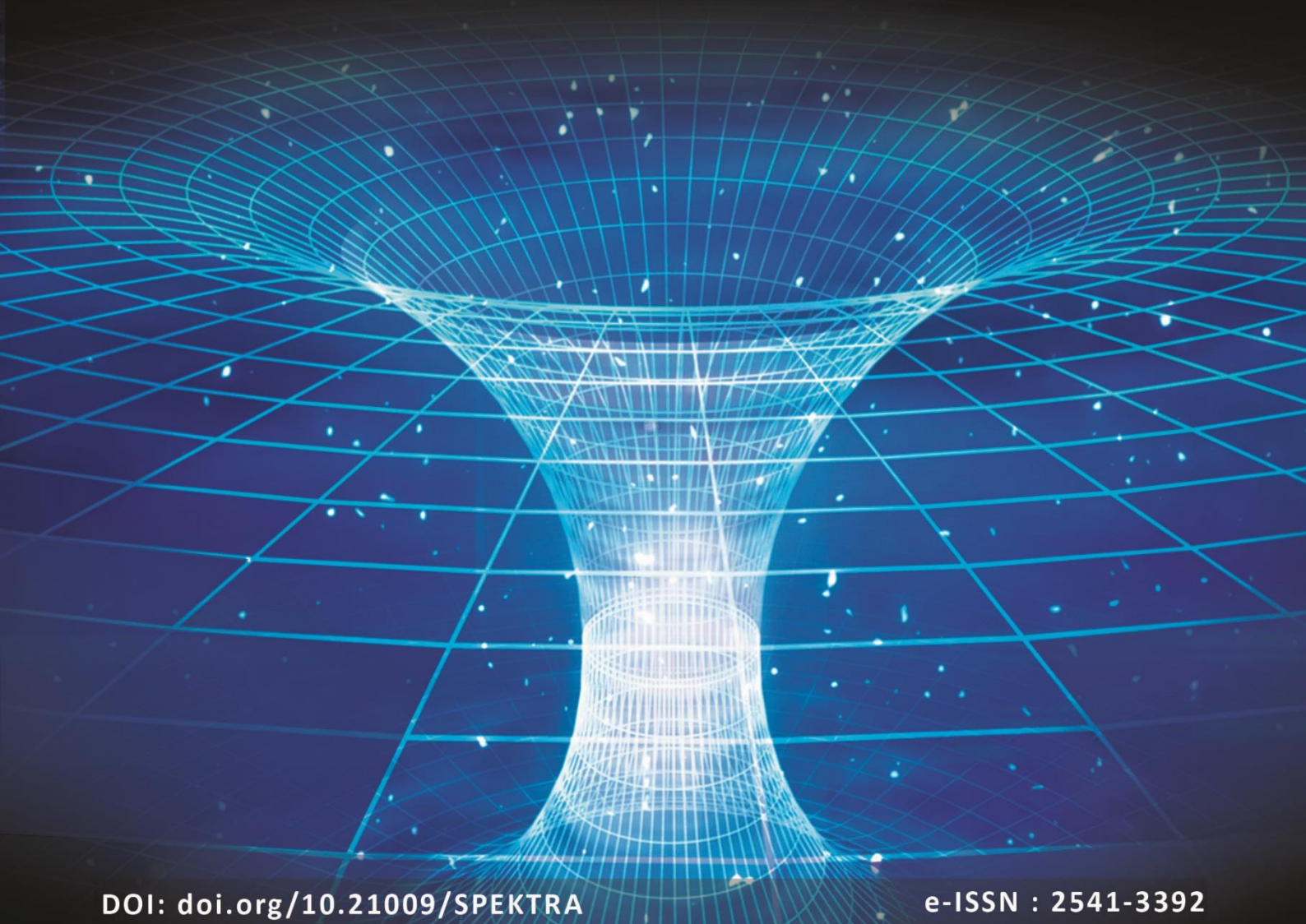
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Volume 6 Issue 1, April 2021

# SPEKTRA

Jurnal Fisika dan Aplikasinya



DOI: [doi.org/10.21009/SPEKTRA](https://doi.org/10.21009/SPEKTRA)

e-ISSN : 2541-3392

**SPEKTRA: Jurnal Fisika dan Aplikasinya**

Volume 6 Issue 1, April 2021

DOI: doi.org/10.21009/SPEKTRA.06100

*Abstracting and Indexing:*

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**THE DEVELOPMENT OF IMAGE PROCESSING METHOD ON THE AUTOMATIC READING SYSTEM OF THE GLASS THERMOMETER USING A DIGITAL CAMERA***Gianto Gianto, Vera Firmansyah, Irwan Setiawan, Achsan Rifani***THE DATA ACQUISITION ROLE ON STATIC TEST FOR VALIDATION OF RX320 ROCKET MOTOR DESIGN***Setiadi Setiadi, Bagus Wicaksono, Kurdianto Kurdianto, Bagus H. Jihad***SEED MEDIATED SYNTHESIS OF HEXAGONAL S-DOPED ZnO NANOROD AND ITS PHYSICAL PROPERTIES***Yolanda Rati, Akrajas Ali Umar, Yanuar Hamzah, Ari Sulisty Rini***INCREASING THE CALCIUM SILICATE HYDRATE AMOUNT IN REACTIVE POWDER CONCRETE USING MARBLE POWDER***Widodo Kushartomo, Henny Wiyanto, Daniel Christianto***MODIFICATION OF PURUN TIKUS (ELEOCHARIS DULCIS) AS A NATURAL FIBER COMPOSITE USING  $KMnO_4$  AND NaOH***Ninis Hadi Haryanti, Suryajaya Suryajaya, Lies Banowati, Mawaddatur Rahmah, Akhmad Safi'i***SIMULATION OF PEAK GROUND ACCELERATION AND PSEUDO SPECTRAL ACCELERATION OF PALU EARTHQUAKE SEPTEMBER 28TH 2018***Amalia Nasrurroh, Bambang Sunardi, Muhammad Fikri Hayqal Hiola, Hendri Subakti***THE BONE MICROSTRUCTURE IDENTIFICATION MODEL BASED ON BACKSCATTER MODE OF ULTRASOUND***Umiatin Umiatin, Tora Oktaviana, Endang Wijaya, Riandini Riandini, Farhan Yusuf***THE SIMULATION OF GRANULAR PARTICLE ON DRY AND MOISTURIZED POROUS HORIZONTAL SURFACES***Dewi Mulyati, Dadan Sumardani, Fauzi Bakri, Handjoko Permana, Erfan Handoko, Ni Larasati Kartika Sari*



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## EDITORIAL FOREWORD

SPEKTRA: Jurnal Fisika dan Aplikasinya is dedicated to all physics practitioners. The coverage of SPEKTRA includes: Instrumentation and Computational Physics, Material Physics, Medical Physics and Biophysics, Astrophysics, Theoretical Physics, Particle and Nuclear Physics, Environment Physics, Renewable Energy, and other fields related to the application of physics.

SPEKTRA Volume 6 issue 1 contains 8 papers: 1) The Development of Image Processing Method on The Automatic Reading System of The Glass Thermometer Using A Digital Camera; 2) The Data Acquisition Role on Static Test for Validation of RX320 Rocket Motor Design; 3) Seed Mediated Synthesis of Hexagonal S-Doped ZnO Nanorod and Its Physical Properties; 4) Increasing The Calcium Silicate Hydrate Amount in Reactive Powder Concrete Using Marble Powder; 5) Modification of Purun Tikus (*Eleocharis Dulcis*) as A Natural Fiber Composite Using  $KMnO_4$  and  $NaOH$ ; 6) Simulation of Peak Ground Acceleration and Pseudo Spectral Acceleration of Palu Earthquake September 28th 2018; 7) The Bone Microstructure Identification Model Based on Backscatter Mode of Ultrasound; and 8) The Simulation of Granular Particle on Dry And Moisturized Porous Horizontal Surfaces.

Hopefully, SPEKTRA can be a reference for readers and researchers in developing physics and its application.

Jakarta, 30 April 2021

Editor-in-Chief,

Widyaningrum Indrasari





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