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THE SPRING VARIATION IN TWO DIMENSIONAL MODELING OF RED BLOOD CELL DEFORMABILITY BASED ON GRANULAR*Ismi Yasifa, Sparisoma Viridi***OPTIMIZATION OF THE USE OF FLY ASH AS AN ADDITIVE PORTLAND COMPOSITE CEMENT (PCC)***Leni Rumiyantri, Listiani Listiani, Tika Damayanti***FLUIDIZATION OF A BED OF SOLID PARTICLES IN A TWO DIMENSIONAL VERTICAL BOX***Aufa Numan Fadhilah Rudiawan, Kurnia Novita Sari, Hirofumi Notsu, Sparisoma Viridi***FRUIT SWEETNESS CHARACTERIZATION USING IMPEDANCE SPECTROSCOPY METHOD***Rahmondia N Setiadi, Lazuardi Umar***BIOSENSOR SYSTEM DESIGN FOR DISSOLVED OXYGEN MEASUREMENT USING CURRENT MIRROR CIRCUIT***Lazuardi Umar, Rahmondia N Setiadi, Arfianti, Tetty M Linda***MULTI-CHANNEL FRY COUNTER DESIGN USING OPTOCOUPLER SENSOR***Lazuardi Umar, Yanuar Hamzah, Rahmondia N Setiadi*

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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 4 issue 2 contains 6 papers: 1) The Spring Variation in Two Dimensional Modeling Of Red Blood Cell Deformability Based on Granular; 2) Optimization of The Use of Fly Ash Is An Additive Portland Composite Cement (PCC); 3) Fluidization of A Bed of Solid Particles In A Two Dimensional Vertical Box; 4) Fruit Sweetness Characterization Using Impedance Spectroscopy Method; 5) Biosensor System Design for Dissolved Oxygen Measurement Using Current Mirror Circuit; 6) Multi-Channel Fry Counter Design Using Optocoupler Sensor.

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

Jakarta, 31 August 2019

Editor-in-Chief,

Widyaningrum Indrasari

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