



Fisika



LPPM



Volume 4 Issue 1, April 2019

SPEKTRA

Jurnal Fisika dan Aplikasinya

DOI: doi.org/10.21009/SPEKTRA

e-ISSN : 2541-3392

SPEKTRA: Jurnal Fisika dan Aplikasinya

Volume 4 Issue 1, April 2019

DOI: doi.org/10.21009/SPEKTRA.04100

Abstracting and Indexing:

			
			
			
			

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PROTON DRIPLINE FOR ISOTONE $N = 18, 20,$ AND 22 USING MODIFIED RELATIVISTIC MEAN FIELD (MRMF) MODEL*Jenny Primanita Diningrum, Anto Sulaksono***THE EFFECT OF POLY (ETHYLENE GLYCOL) ON THE PHOTOLUMINESCENCE PROPERTIES OF CARBON DOTS FROM CASSAVA PEELS SYNTHESIZED BY HYDROTHERMAL METHODS***Permono Adi Putro, Liszulfah Roza, Isnaeni Isnaeni***ACCELERATION RESPONSE SPECTRUM AND EFFECTIVE DURATION OF LEBAK EARTHQUAKE JANUARY 23, 2018 IN JAKARTA REGION***Muhammad Fikri Hayqal Hiola, Bambang Sunardi***ANALYSIS THE EFFECT OF PRIMARY COIL LENGTH OF TRANSFORMATOR TO THE RESULTED ELECTROMOTIF FORCE***Bowo Eko Cahyono, Muhammad Syukron Ali, Supriyadi Supriyadi***HEATING AND QUENCHING PROCEDURE ON THE MAKING OF TRADITIONAL BLACKSMITH STEEL WITH HIGH QUALITY***Artoto Arkundato, Misto Misto, Hadi Paramu, Gaguk Jatisukamto, Iwan Sugihartono*

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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 4 issue 1 contains 5 papers: 1) Proton Dripline for Isotone $N = 18, 20,$ and 22 Using Modified Relativistic Mean Field (MRMF) Model; 2) The Effect of Poly (Ethylene Glycol) on The Photoluminescence Properties of Carbon Dots from Cassava Peels Synthesized by Hydrothermal Methods; 3) Acceleration Response Spectrum and Effective Duration of Lebak Earthquake January 23, 2018 in Jakarta Region; 4) Analysis The Effect of Primary Coil Length of Transformator to The Resulted Electromotif Force; 5) Heating and Quenching Procedure on The Making of Traditional Blacksmith Steel With High Quality.

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

Jakarta, 30 April 2019

Editor-in-Chief,

Widyaningrum Indrasari

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