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SPEKTRA: Jurnal Fisika dan Aplikasinya

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AIRCRAFT TRAFFIC NOISE ANALYSIS AT KUALANAMU INTERNATIONAL AIRPORT MEDAN*Indrayani Indrayani, Juniastel Rajagukguk, Tri Rahayu, Rizky Siregar, Juniastel Rajagukguk, Risvan Dirza***DEVELOPMENT OF DC-DC BUCK CONVERTER FOR SOLAR PANEL ENERGY STORAGE THROUGH LOAD OPTIMIZATION AND FEEDBACK CIRCUIT***Widyaningrum Indrasari, Gusti Rama, Rahmondia Nanda Setiadi, Lilik Hasanah, Siti Kudnie Sahari***RICE SAMPLE VAPORATION METHOD ON METER TESTING RESISTIVE WATER CONTENT BASED ON ULTRASONIC MIST***Irawati Dewi Syahwir, Fauzia Nur Dinny, Firman Khoirul Ihsan***SYNTHESIS AND CHARACTERIZATION ANALYSIS OF Fe_3O_4/SiO_2 CORE SHELL***Diva Cassia, Iwan Sugihartono, Isnaeni Isnaeni, Haswi Purwandanu Soewoto, Akhmad Futukhillah Fataba Alaih, Djoko Triyono, Rahmat Setiawan Mohar, Tan Swee Tiam***IMPLEMENTATION OF GABELLA METHOD AND RANDOM FOREST FOR GROUND CLUTTER DETECTION IN PADANG WEATHER RADAR DATA***Wildan Nurahman, Abdullah Ali, Riser Fahdiran*

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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 8 issue 3 contains five papers: 1) Aircraft Traffic Noise Analysis at Kualanamu International Airport Medan, 2) Development of DC-DC Buck Converter for Solar Panel Energy Storage Through Load Optimization and Feedback Circuit, 3) Rice Sample Vaporiation Method on Meter Testing Resistive Water Content Based on Ultrasonic Mist, 4) Synthesis and Characterization Analysis of $\text{Fe}_3\text{O}_4/\text{SiO}_2$ Core Shell, and 5) Implementation of Gabella Method and Random Forest for Ground Clutter Detection in Padang Weather Radar Data.

The articles in this issue from 3 countries: Indonesia, Norway and Malaysia. We are grateful for all the contributions of the authors. We also appreciate the professional reviewers who are an essential part of this issue.

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

Jakarta, 31 December 2023

Editor-in-Chief,

Widyaningrum Indrasari

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