

EKSAKTA

Journal of Sciences and Data Analysis

E-ISSN: [2720-9326](#) and P-ISSN: [2716-0459](#)

Preface

Alhamdulillahirobbil'alamiin

It is happy to launch the first edition of EKSAKTA: Journal of Science and Data Analysis (E-ISSN: [2720-9326](#) and P-ISSN: [2716-0459](#)). This journal is an extension of Eksakta: Jurnal Ilmu-Ilmu MIPA which has been indexed by DOAJ and accredited within SINTA 3 level. By this rejuvenation and change of the vision towards an international journal, we hope this journal gives a real and wider contribution to the science and data analysis community. We thank to the section Editors:

1. Dr. Farida Hayati, M.Si., Apt.
2. Dr. Edy Widodo, M.Si.
3. Dr. Jaka Nugraha, M.Si.

Along with the reviewers who took the time to improve the quality of scientific articles for this edition:

1. Widhi Dyah Sawitri, S.Si., M. Agr., Ph.D.
2. Dr.rer.nat.Edwin Setiawan S.Si., M.Sc.
3. Prof. Dr. Sri Atun
4. Dr. Kun Sri Budiasih, M.Si.
5. Amin Fatoni, S.Si., M.Si, Ph.D.
6. Dr. Sri Kusumadewi, S.Si., M.T.
7. Dr. Retno Arianingrum, M.Si.
8. Dr. dr. Isnatin Miladiyah, M.Kes.
9. Dr. Yandi Syukri, S.Si., M.Si., Apt.
10. Dr. Tarno, M.Si.
11. Prof. Dr. Sri Handayani
12. Dr. Agus Maman Abadi, S.Si., M.Si.
13. Rudy Syah Putra, S.Si., M.Si., Ph.D.
14. Dr. Dyah Purwaningsih, S.Si., M.Si.

Hopefully EKSAKTA: Journal of Sciences and Data Analysis can contribute better in the next edition.

Editor in Chief,

Prof. Dr. Is Fatimah, M.Si.

EKSAKTA

Journal of Sciences and Data Analysis

Table of Content

Transesterification Process of Waste Cooking Oil Catalyzed by Na/CaO Derived from Blood Clam (<i>Anadara Granosa</i>) Shells <i>Edi Kurniawan, Nurhayati</i>	1-6
In Vitro Tracing of Cytotoxic Compounds in Jarak Cina Stem Bark (<i>Jatropha Multifida</i> Linn.) <i>Sista Werdyani, Annisa Fitria, Sari Rakhmawati</i>	7-13
Characterization of Newcastle Disease Virus in Southeast Asia and East Asia: Fusion Protein Gene <i>Arif Nur Muhammad Ansori, Viol Dhea Kharisma</i>	14-20
Effect of Cooking on Iron Availability in Fortified Homemade Tempeh <i>Micha Mahardika, Fauzan Amin, Arda Ganda Risdiyono</i>	21-27
Neural Network Model for Mathematic Scores Prediction: Case Study in SMK Negeri Pakis Aji, Jepara, Indonesia <i>Adi Sucipto, Joko Minardi</i>	28-35
Standardization of Specific and Non-Specific Parameters of Propolis Extract as Raw Material for Herbal Product <i>Yandi Syukri, Ririk Purwati, Nadia Hazami, Hady Anshory Tahmid, Annisa Fitria</i>	36-43
Synthesis and Characterization of Nano Activated Carbon from Annatto Peels (<i>Bixa orellana</i> L.) Viewed from Temperature Activation and Impregnation Ratio of H_3PO_4 <i>Cucun Alep Riyanto, Muhamad Syaiful Ampri, Yohanes Martono</i>	44-50
Hepatoprotective Effect of Corn Silk Infusion in Male Wistar Rats <i>Arba Pramundita Ramadani, Hady Anshory Tamhid, Tika Luthfi Sadrina, Jasno, Mabrurotul Mustafidah</i>	51-55
Clustering Provinces in Indonesia based on Community Welfare Indicators <i>Sekti Kartika Dini, Achmad Fauzan</i>	56-63
Identification and Heme Polymerization Inhibition Activity (HPIA) Assay of Ethanolic Extract and Fraction of Temu Mangga (<i>Curcuma mangga</i> Val.) Rhizome <i>Dhina Fitriastuti, Tatang Shabur Julianto, Annisa Wahyu Nur Iman</i>	64-72
A Comparison between Nonparametric Approach: Smoothing Spline and B-Spline to Analyze The Total of Train Passengers in Sumatra Island <i>Drajat Indra Purnama</i>	73-80
Analysis of Factors Influencing The Decision to Choose The Department in The Natural Science Campus <i>Muhammad Hasan Sidiq Kurniawan, Achmad Fauzan, Jaka Nugraha</i>	81-84
Identification of the Existence and Type of Microplastic in Code River Fish, Special Region of Yogyakarta <i>Elita Nurfitriyani Sulistyoy, Suphia Rahmawati, Rizqia Amalia Putri, Nolanda Arya, Yolanda Amertha Eryan</i>	85-91
Adsorption Study of Methylene Blue and Methyl Orange Using Green Shell (<i>Perna Viridis</i>) <i>Febi Indah Fajarwati, Nadya Ika Yandini, Mai Anugrahwati, Amri Setyawati</i>	92-97