

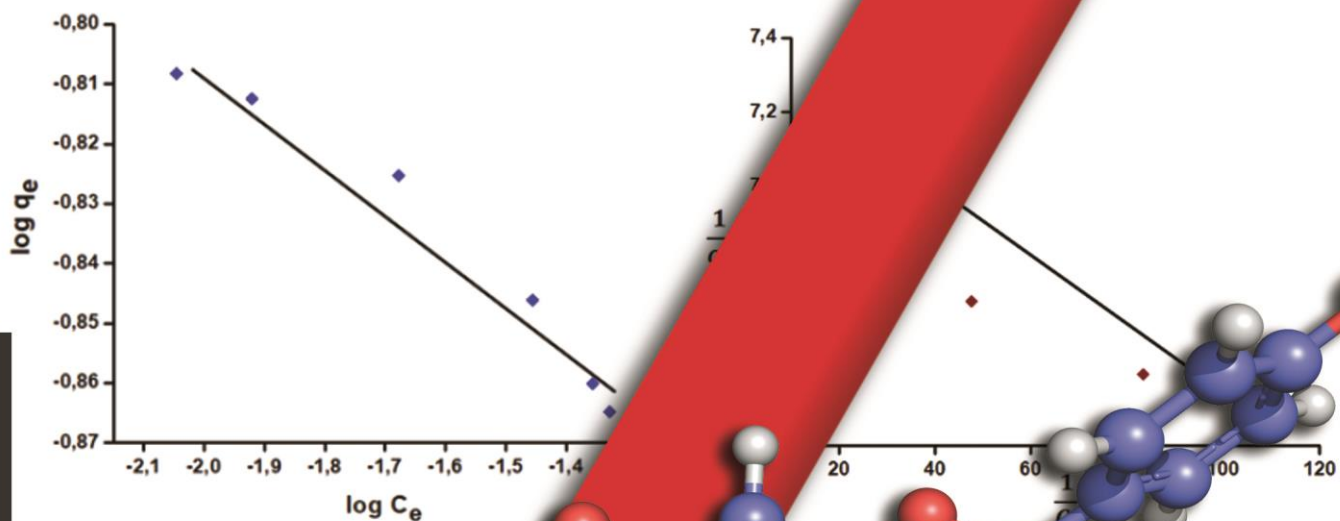
e ISSN 2714-8173

p ISSN 2714-674X

# Stannum

Jurnal Sains dan Terapan Kimia

Volume 5 No 1, April 2023



JURUSAN KIMIA  
FAKULTAS TEKNIK  
UNIVERSITAS BANGKA BELITUNG





## Stannum : Jurnal Sains dan Terapan Kimia Volume 5, Nomor 1, Tahun 2023

Website: <https://journal.ubb.ac.id/index.php/stannum>  
doi: 10.33019/jstk.v5i1

**Stannum : Jurnal Sains dan Terapan Kimia** published research article, minireview/review, and short communication that included studies in Inorganic Chemistry, Organic Chemistry, Analytical Chemistry, Biochemistry, Physical Chemistry, Computational Chemistry, Chemical Engineering, and Applied Chemistry. Stannum : Jurnal Sains dan Terapan Kimia is **open access** and **peer-reviewed (double-blind)** Scientific Journal that was first published in October 2019 and published 2 issues/year.

### Editorial Board

#### *Editor in Chief*

Robby Gus Mahardika, S.Pd., M.Si (Universitas Bangka Belitung, Indonesia)

#### *Managing Editor*

Verry Andre Fabiani, S.Si., M.Si. (Universitas Bangka Belitung, Indonesia)

#### *Section Editor*

- Adisyahputra, S.Si., M.Sc. (Universitas Bangka Belitung, Indonesia)
- Occa Roanisca, S.P, M.Si. (Universitas Bangka Belitung, Indonesia)
- Ristika Oktavia Azriza, S.Pd., M.Si. (Universitas Bangka Belitung, Indonesia)
- Dr. Nila T. Berghuis, M.Si (Universitas Pertamina, Indonesia)
- 

#### *Editorial Boards*

- Dr. Hanhan Dianhar, S.Si., M.Si. (Universitas Negeri Jakarta, Indonesia)
- Fajar Indah Puspita Sari, S.Si., M.Sc. (Universitas Bangka Belitung, Indonesia)
- Khoirotul Ummah, M.Si. (UIN Sunan Ampel Surabaya, Indonesia)
- Nurhadini, S.Si., M.Si. (Universitas Bangka Belitung, Indonesia)
- Dr Ilim, M.S. (Universitas Lampung, Indonesia)
- dr. Kamalia Loyal, M.Biomed (Universitas Bangka Belitung, Indonesia)
- Fahmi Rizal, S.Si., M.Biomed (Universitas Bangka Belitung, Indonesia)



#### *Address Editor*

Departement of Chemsitry, Universitas Bangka Belitung  
Kampus Terpadu UBB Balunijuk, Gedung Darma Pengabdian  
Jl. Kampus Peradaban Balunijuk, Kabupaten Bangka Prov. Kep.Bangka  
Belitung, Telp. (0717) 4260034. Email : [stannum@ubb.ac.id](mailto:stannum@ubb.ac.id)



## Table of Contents

Articles	Page
<b>The Isotherm Studies of Cu (II) Adsorption in Kolong Bangka's Water onto NaOH-Deacetylated Shrimp Shells Waste Chitin</b> <i>Desy Yuliana Dalimunthe, Anisa Indriawati, Endang Setyawati Hisyam, Herman Aldila</i>	1-7
<b>Cholesterol Lowering Activity from Methanol Extract of Bidara Leaves (<i>Ziziphus mauritiana</i>)</b> <i>Isna Lailatusholihah, Weny JA Musa, Lintang Panji Setyoko, Holisha Widiyanto, Nurhayati Bialangi, Boima Situmeang</i>	8-14
<b>Liquid Soap with Active Ingredients of Methanol Extract of Sambang Darah Leaves (<i>Excoecaria cochinchinensis</i> L.): Formulation, Characterization, and Antibacterial Activity</b> <i>Fatkurrachman Fatkurrachman, Avidlyandi Avidlyandi, Devi Nurhasana, Dina Erliana, Munifilia Eka Sari, Charles Banon, Risky Hadi Wibowo, Morina Adfa</i>	15-23
<b>Phytochemical Test and Value Determination Sun Protection Factor (SPF) Ethanol Extract Waru Leaves (<i>Hibiscus tiliaceus</i>)</b> <i>Dwi Fitri Yani, Rahma Hidayani, Weni Febriani, Selvira Aurelia, Doni Putra Pratama</i>	24-29
<b>The Influence of the Type of Feed Medium on the Growth of <i>Hermetia illucens</i> larvae in the Process of Reducing Organic Waste S</b> <i>Syaiful Bahri, Yuli Ambarwati, Ni Luh Gede Ratna Juliasih, Muhammad Trijatmiko</i>	30-37
<b>Utilization of Fish Bone (<i>Rastrelliger kanagurta</i>) Waste as High Calcium Flour</b> <i>Nila Tanyela Berghuis, Ida Fitri Maharani, Cantika Samsrestu R, Rahmad Gunawan, Sri Wahyuni Siregar, Sherina Saskia, Alfiyah Qaulan</i>	38-42
<b>Antioxidant Activity Testing Combination of Moringa Leaf (<i>Moringa oleifera</i> L.) and Bambian (<i>Ocimum sanctum</i> L.) Leaves Extract Using DPPH Method</b> <i>Endah Dwijayanti, Masli Nurcahya Zoraida, Siti Rahayu Kurnianingsih</i>	43-50
<b>Pengaruh Suhu, Kecepatan Pengadukan, dan Waktu Kontak pada Penurunan Kadar Chemical Oxygen Demand (COD) Limbah Palm Oil Mill Effluent (POME) Menggunakan Adsorben Kulit Buah Kakao (<i>Theobroma cacao</i> L.)</b> <i>Firstin Rizki Annisa Hasibuan, Fajar Indah Puspita Sari, Occa Roanisca</i>	51-57