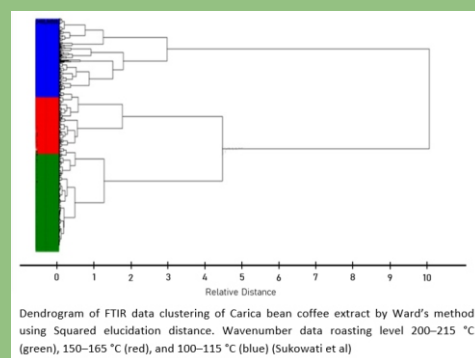
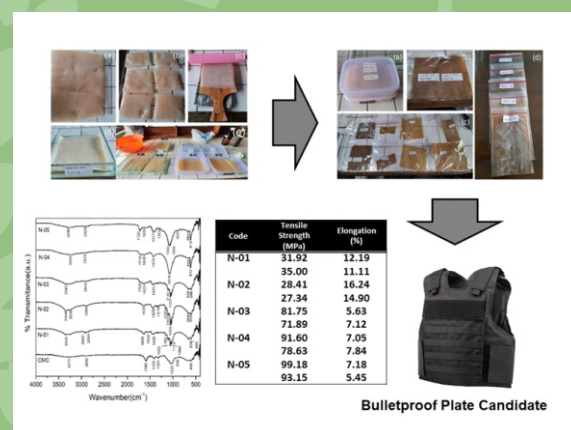
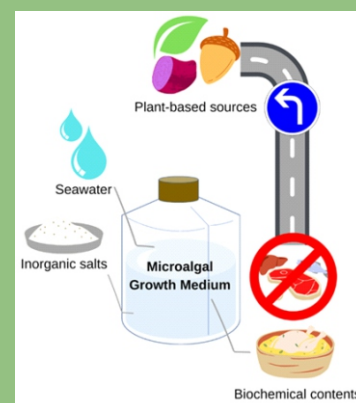
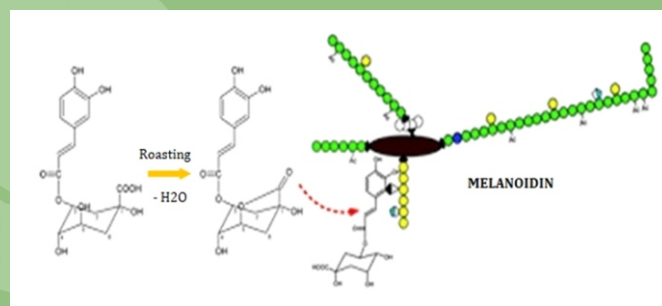


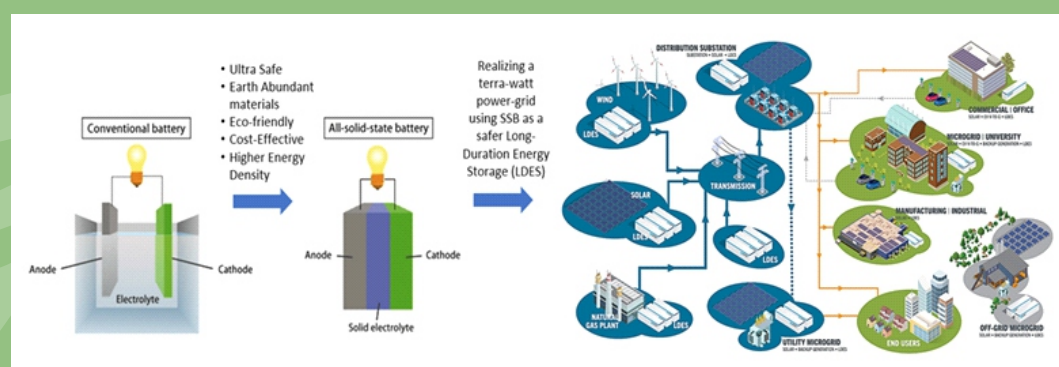
Indonesian Journal of Chemical Studies

Volume 1, Issue 2, December 2022

This issue has been published online since July, 1st 2022 at <https://journal.solusiriset.com>



Indexed by:



Indones. J.
Chem. Stud.

Vol.1

No.2

Pages:
32-58

December
2022

Published by:
Indonesian Scholar Society (ISS)



Indonesian Journal of Chemical Studies

Volume 1, No 2, December 2022

EDITORIAL TEAM

EDITOR IN CHIEF

Dr. Rahmat Basuki, M.Sc

Department of Chemistry, Republic Indonesia Defense University, Bogor, Indonesia

VICE EDITOR IN CHIEF

Lili Andriani, M.Si

Sekolah Tinggi Ilmu Kesehatan Harapan Ibu Jambi, Jambi, Indonesia

MANAGING EDITOR

Adya Rizky Pradipta, M.Sc

Chemical Analysis Department, Politeknik AKA Bogor, Bogor, Indonesia

Dr(c). Yudha Gusti Wibowo, M.Si

Department of Mining Engineering, Institut Teknologi Sumatera, Lampung, Indonesia

EDITORIAL BOARD MEMBERS

Prof. Dr. Bambang Rusdiarso, DEA

Department of Chemistry, Universitas Gadjah Mada, Yogyakarta, Indonesia

Prof. Dr.rer.nat. Muhaimin

Faculty of Pharmacy, Universitas Padjadjaran, Bandung, Indonesia

Dr. Eng. Muh. Nur Khoiru Wihadi, M.Sc

Badan Riset dan Inovasi Nasional (National Research and Innovation Agency), Indonesia

Dr. Adhi Dwi Hatmanto, M.Sc.

Department of Chemistry, Universitas Gadjah Mada, Yogyakarta, Indonesia

Dr(c). Yehezkiel Steven Kurniawan, M.Sc

Ma Chung Research Center for Photosynthetic Pigments, Universitas Ma Chung, Malang, Indonesia

Prof. A.K. Prodjosantoso, Ph.D.

Department of Chemistry, Universitas Negeri Yogyakarta, Yogyakarta, Indonesia

Prof. Dr. Buhani

Department of Chemistry, Universitas Lampung, Lampung, Indonesia

Budi Riza Putra, Ph.D

Badan Riset dan Inovasi Nasional (National Research and Innovation Agency), Indonesia

Trivadila, Ph.D

Department of Chemistry, IPB University, Bogor, Indonesia

Yusuf Bramastya Apriliyanto, M.Sc

Department of Chemistry, Republic Indonesia Defense University, Bogor, Indonesia

REGIONAL (HANDLING) EDITOR FOR EUROPE AND AMERICA

Limpat Nulandaya, Ph.D

Progressive Materials, University of Pavol Jozef Safarik & Institute of Experimental Physics-Slovak Academy of Sciences, Slovakia

REGIONAL (HANDLING) EDITOR FOR ASIA AND AFRICA

Ardila Hayu Tiwikrama, Ph.D.

Department of Chemical Engineering, National Taipei University of Technology, Taiwan

Dr(c). Philip Anggo Krisbiantoro, M.Env.Sc.

Institute of Atomic and Molecular Science, National Taiwan University, Taiwan

REGIONAL (HANDLING) EDITOR FOR AUSTRALIA

Dr(c). Naufan Nurrosyid, M.Sc

Department of Material Science and Engineering, Monash University, Australia

PRODUCTION MANAGER

Aslan Irunsa, M.Sc.

Marine Environmental Biotechnology, Buton Institute
of Marine Technology, Buton, Indonesia

Dr(c). Bayu Ishartono, M.Sc.

Doctoral Program, Department of Chemistry,
Universitas Gadjah Mada, Yogyakarta, Indonesia

Indonesian Journal of Chemical Studies

Volume 1, No 2, December 2022

TABLE OF CONTENTS

1. **Research Article**
Effect of Roasting Process on Antioxidant Activity of Carica Seeds Coffee (*Carica pubescens*) 32-38
Siski Andini Sukowati, Zulhan Arif, Rudi Heryanto
2. **Short Communication**
Preparation of Flame Resistant Retanning Product for Glove Leather 39-42
Beena Zehra, Barkat Ali Solangi, Uzma Nadeem
3. **Review Article**
A Critical Technology Implementation of Sodium Solid-state Battery as the Secure Long-Duration Energy Storage toward the Terra-Watt Grid Projects 43-48
Tedi Kurniadi, Kol. CPL. Mirad Fahri, Fidela Aurellia, Naufan Nurrosyid
4. **Review Article**
Evaluation of The Biochemical Contents in Guillard f/2 and Walne Growth Medium to Fulfill the Animal-Free Aspects of Microalgal Bioprocessing 49-53
Elva Stiawan
5. **Research Article**
Physical Strength Improvement of Nata de Coco by Water Replacement with Carboxymethylcellulose (CMC) as A Potential Bulletproof Material: A Preliminary Study 54-58
Patricya Ingrid Wilhelmina Bolilanga, Artanti Sekarini, Dita Cinta Toharani, Fani Rahmawati, Rahmat Basuki, Bayu Ishartono, Mirad Fahri