

PAPER • OPEN ACCESS

## Preface

To cite this article: 2021 *IOP Conf. Ser.: Earth Environ. Sci.* **926** 011001

View the [article online](#) for updates and enhancements.

You may also like

- [Conference Overview](#)
- [Peer Review Declaration](#)
- [PREFACE](#)



The Electrochemical Society  
Advancing solid state & electrochemical science & technology

243rd Meeting with SOFC-XVIII

Boston, MA • May 28 – June 2, 2023

**Accelerate scientific discovery!**

Learn More & Register



## Preface

The Third International Conference on Green Energy and Environment (The 3<sup>rd</sup> ICoGEE 2021) was organized by the Faculty of Engineering – Universitas Bangka Belitung together with some co-organized members such as the Faculty of Engineering – Universitas Tadulako, Faculty of Engineering – Universitas Bengkulu, Faculty of Engineering – Universitas Maritim Raja Ali Haji, Faculty of Technology and Science – Universitas Jambi, MIPAnet and Asian Federation of Biotechnology (AFOB). We planned The 3<sup>rd</sup> ICoGEE 2021 to held on September 29<sup>th</sup> – 30<sup>th</sup>, 2021, in Pangkalpinang, Indonesia. However, the COVID-19 pandemic that is still engulfing various countries has hampered diverse gathering and traveling activities. Therefore, The 3<sup>rd</sup> ICoGEE 2021 has been held virtually using the Zoom Meeting platform.

The 3<sup>rd</sup> ICoGEE 2021 is a scientific conference involving various disciplines that aims to create innovations related to the development of science and technology to protect energy and the environment. Another goal of ICoGEE is to build a collaborative network between government, practitioners, and academics to solve problems in the energy and environmental sectors. Thus, this year's ICoGEE carries the theme: "Innovation Science and Technology Innovation for Sustainable Development Green Energy and a Cleaner Environment."

Although held online, this conference was attended by about 150 researchers, engineers, and scientists from various institutions. There are more than 60 institutions from nine countries: Indonesia, India, Viet Nam, Japan, Spain, China, Malaysia, Thailand, and Cyprus, participating in The 3<sup>rd</sup> ICoGEE 2021. The conference consists of two parts: keynote presentation and oral presentation. There were 114 papers (after the review process) divided into three topics: Green Energy and Application, Environmental Science and Technology, and Energy and Environmental Management. During the oral presentation session, the participants were divided into academic groups according to the topic.

We are very grateful because, in 2021, The 3<sup>rd</sup> ICoGEE has keynote speakers from different countries and institutions who are experts in energy and environmental aspects. Our great honor is that five experts gave excellent keynote speeches: Prof. Misri Gozan as Vice President of Asian Federation of Biotechnology, Associate Prof. Dr. Oki Muraza from King Fahd University of Petroleum and Minerals, Prof Taufik from Cal. Poly. State University, Prof. Ocky Karna Radjasa as Deputy Chairman of Earth Sciences - LIPI, and Prof. Jatna Supriatna as Vice Chairman of the Belantara Foundation.

Although The 3<sup>rd</sup> ICoGEE was held virtually, the conference can still achieve its primary purpose or benefit. All manuscripts published in the proceeding have been through a rigorous review to meet the requirement of high-quality papers.

The committee wishes to acknowledge speakers and participants who attended this virtual conference. We are beyond glad as this pandemic situation, which has been going on for more than a year, would not let their spirit down to keep participating in this conference. Plenty of thanks are given to all persons who have helped and supported this conference.

Warmest Regards,

**Chairman of Organizing Committee**

Herman Aldila



## Conference Committees

### Steering Committee

1. Dr. Ibrahim, M.Si.
2. Wahri Sunanda, S.T., M.Eng.

**Chairman** : Herman Aldila, S.Pd., M.Si.

**Vice of Chairman** : Robby Gus Mahardika, S.Pd., M.Si.

**Treasurer** : Nelly Gusnita, S.Ak. & Innas Syah Adah, A.Md.

### Secretarial Team :

- Verry Andre Fabiani, S.Si., M.Si. (Coordinator)
- Ririn Amelia, S.T., M.Si.
- Revy Safitri, S.T., M.T.
- Guskarnali, S.T., M.T.
- Izma Fahria, S.E., M.Sc.
- Welly Yandi, S.Pd., M.T.
- Endang S. Hisyam, S.T., M.Eng.
- Yudi Setiawan, S.T., M.T.
- Farid Wajedi, S.E.

### Editorial Team

- Yuant Tiandho, S.Si., M.Si. (Coordinator)
- Eka Sari Wijianti, S.Pd., M.T.
- Delita Ega Andini, S.T., M.T.
- Haslen Oktarianty, S.T., M.T.
- Widodo Budi Kurniawan, S.Pd., M.Sc.
- Fitri Afriani, S.Si., M.Si.
- Anisa Indriwati, S.Si., M.Sc.
- Yekti Widyaningrum, S.Pd., M.Si.
- Tri Kusmita, M.Sc.
- Nurhadini, S.Si., M.Si.
- Fajar Indah Puspita Sari, S.Si., M.Sc.
- Occa Roanisca, S.P., M.Si.
- Adisyahputra, S.Si., M.Sc.
- Ristika O. Asriza, S.Pd., M.Si.
- Fahmi Rizal, S.Si., M.Biomed.
- Ineu Sulistiana, S.E., M.Sc.
- Desy Y. Dalimunthe, S.E., M.Sc.
- Rika Favoria Gusa, S.T., M.Eng.
- M. Yonggi Puriza, S.T., M.T.
- Rudy Kurniawan, S.T., M.T.
- Saparin, S.T., M.Si.
- Desy Yofianti, S.T., M.T.
- Boy Dian Anugra Sandy, S.Pd., M.T.
- Adriyansyah, S.T., M.Si.

**Scientific Committee** :

- |                                      |   |
|--------------------------------------|---|
| 1. Prof. Misri Gozan                 | Universitas Indonesia                       |
| 2. Prof. Djoko Legono                | Universitas Gadjah Mada                     |
| 3. Prof. Aldes Lesbani               | Universitas Sriwijaya                       |
| 4. Prof. Orawan Siriratpiriya        | Chulalongkorn University                    |
| 5. Prof. Buhani                      | Universitas Lampung                         |
| 6. Prof. Rudy Sayoga                 | Institut Teknologi Bandung                  |
| 7. Prof. Posman Manurung             | Universitas Lampung                         |
| 8. Prof. Ambar Pertiwinigrum         | Universitas Gadjah Mada                     |
| 9. Bhakti Yudho Suprpto, M.T.        | Universitas Sriwijaya                       |
| 10. Dr. Eng. Beta Paramita           | Universitas Pendidikan Indonesia            |
| 11. Dr. Julie Waldron                | University of Nottingham                    |
| 12. Dr. Eng. M. Donny Koerniawan     | Institut Teknologi Bandung                  |
| 13. Dr.Eng. Deni Shidqi Khaerudini   | Indonesian Institute of Science             |
| 14. Ihwan Ghazali, Ph.D              | UTEM Malaka                                 |
| 15. Dr. Yayu Arifin                  | Universitas Negeri Gorontalo                |
| 16. Dr. Yuli Asmi Rahman             | Universitas Tadulako                        |
| 17. R. Priyoko Prayitnoadi, Ph.D.    | Universitas Bangka Belitung                 |
| 18. Dr. Eddy Nurtjahya               | Universitas Bangka Belitung                 |
| 19. Dr. Rizal Munadi                 | Universitas Syiah Kuala                     |
| 20. Nugroho Adi Sasongko, Ph.D       | BPPT  |
| 21. Lesnanto Multa Putranto, Ph.D    | Universitas Gadjah Mada                     |
| 22. Dr. Yuszda Salimi                | Universitas Negeri Gorontalo                |
| 23. Dr.RR. Kurnia Novita Sari, M.Si  | Institut Teknologi Bandung                  |
| 24. Assoc.Prof. Ali Awaludin, Ph.D   | Universitas Gadjah Mada                     |
| 25. Ir.R.Sony Sulaksono Wibowo, Ph.D | Institut Teknologi Bandung                  |
| 26. Dr. Peni Indrayudha              | Universitas Muhammadiyah Surakarta          |
| 27. Prof. Agus Ismail Hasan, Ph.D    | University of Southern Denmark              |
| 28. Dr. Eko Agus Suyono              | Universitas Gadjah Mada                     |
| 29. Dr. Abdul Rahman                 | Universitas Bengkulu                        |
| 30. Dr. M. Ali Muhammad Yuzir        | Universiti Teknologi Malaysia               |
| 31. Dr. Adisti P. Putri              | IPB University                              |
| 32. Suci Permata Sari, M.Si.         | Ghent University                            |
| 33. Dr. Diana V. Weilia              | Universitas Andalas                         |
| 34. Dr. Oman Zuas                    | National Standarization Agency of Indonesia |
| 35. Apriadi Salim Adam, Ph.D.        | Indonesian Institute of Science             |
| 36. David F. Silalahi, Ph.D.         | Australia National University               |
| 37. Ahmad R. Firdaus, Ph.D.          | Politenik Negeri Batam                      |
| 38. Dr. Roby Hambali                 | Universitas Bangka Belitung                 |
| 39. Dr. Winda Rahmalia               | Universitas Tanjung Pura                    |
| 40. Dr. Muhamad Salma Fareza         | Universitas Soedirman                       |
| 41. Rizmahardian A. Kurniawan, M.Si. | National Central University Taiwan          |

**Logistics** : Ardiansyah, S.IP. & Rheny Biantari, S.T.