

Proceedings of the 2nd International Conference on Nature-Based Solution in Climate Change

24 November 2023, Jakarta, Indonesia

RESILIENCE 2023

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Preface

We are delighted to introduce the proceedings of the second edition of the 2023 International Conference on Nature-Based Solution in Climate Change (RESILIENCE), Universitas Pertamina, Indonesia. This conference has brought researchers, developers and practitioners around the world who are leveraging and developing knowledge and experiences for a variety array of nature-based solution. The theme of RESILIENCE 2023 was “The 2nd International Conference on Nature-Based Solution in Climate Change 2023 Resilience”.

The technical program of RESILIENCE 2023 consisted of 38 full papers, including all papers in oral presentation sessions at the main conference sub-themes. The conference sub-themes were: Sub-Theme 1 - Forest conservation and restoration; Sub-Theme 2 - Afforestation and reforestation; Sub-Theme 3 - Agroforestry and sustainable agriculture practices; Sub-Theme 4 - Wetland restoration and mangrove conservation; Sub-Theme 5 - Blue carbon ecosystem; Sub-Theme 6 - Urban green spaces, Sub-Theme 7 - Renewable energy in natural areas, and Sub-Theme 8 - Ecosystem-based adaptation. Aside from the high-quality technical paper presentations, the technical program also featured three opening speeches and three keynote speeches. The three keynote speeches were Mr. Wahyu Marjaka as Director of Sectoral and Regional Resource Mobilization at the Directorate General of Climate Change Control the Minister of Indonesian Ministry of Environment and Forestry, Mr. Atep Salyadi Dariah Saputra as the Director of strategy, portfolio and business development PT Pertamina (Persero), and Mr. Agus Mashud S. Asngari as the President Director of Pertamina Foundation. The three keynote speeches were Prof. Lee Chun Hung from Department of Natural Resources and Environmental Studies - College of Environmental Studies - National Dong Hwa University Taiwan, Dr. Ahmad Aldrie Amir from Institute for Environment and Development (Lestari), Universiti Kebangsaan Malaysia, and Andreas A. Hutahean, Ph.D, as the Deputy Director from Ministry of Maritime and Investment Affairs Republic of Indonesia.

Coordination with the steering chairs, Prof. Wawan Gunawan A. Kadir, MS. as the Rector of Universitas Pertamina, Prof. Dr. Ir. Rudy Sayoga Gautama, IPU (the Vice Rector for Academics and Student Affair), M. Kamal Farid (the Vice Rector of Finance and Organization Resources), Prof. Dr. techn. Djoko Triyono (the Vice Rector of Research, Development, and Cooperation), and M. Robby Hervindo (the University Secretary) were essential for the success of the conference. We sincerely appreciate their constant support and guidance. It was also a great pleasure to work with such an excellent organizing committee team for their hard work in organizing and supporting the conference.

We strongly believe that the RESILIENCE conference provides a good forum for all researchers, policymakers and practitioners to discuss all policy, science and technology aspects that are relevant to nature-based solution in climate change studies. We also expect that the future RESILIENCE conference will be as successful and stimulating, as indicated by the contributions presented in this volume.

Dr.Eng. Nova Ulhasanah, S.T., M.Eng
Chairman of RESILIENCE 2023

Contents

Forest conservation and restoration

- Assessing Environmental Impacts of Mining Activities in Kalimantan Using Remote Sensing Approach 1
Hazel Yordan Komara, Anjar Dimara Sakti, Agung Budi Harto

Afforestation and reforestation

- Psychological Well-Being and Climate Change in the Unity of Cosmic Consciousness: A Theo-Cosmological Perspective 10
Demanda Bimantoro, Tutut Chusniyah, Kukuh Setyo Pambudi
- Assessing Landslide Vulnerability in Deforested Areas of Sumatra Island Using Remote Sensing and Machine Learning 18
Ifandra Kusuma Cahya Reynaldi, Anjar Dimara Sakti, Deni Suwardhi, Agung Budi Harto

Agroforestry and sustainable agriculture practices

- Implementation of Sustainable Farming System as a Solution for Food Security at Oemah Wedus Banyumas 29
Supriyatin Supriyatin, Galang Wicaksono
- Land Conservation in The Ulu Selo Watershed Through The Concept of Wanatani Agroforestry 38
Azwar Rasyidin, Alqadri Asri Putra
- Improving the climate variability adaptive capacity of rain-fed farmers in Pabuaran Subdistrict, Sukabumi Regency using environmentally friendly innovation 49
Aris Pramudia, Abriani Fensionita, Mahmud Mahmud, Muzirwan Muzirwan, Novi Muhani, Retno Pujihastuti, Maria Ulfa, Arfiah Arfiah
- Application of Interpolation, Newton-Raphson's Method in Weather Forecasting 60
Sneha Ojha, Vishal Mehre, Swapnil Namekar
- How Java People Understand Climate Change: Literary Studies on Pranotomongso, Chandrasengkolo, and Suryasengkolo 69
Basma Tania, Kukuh Setyo Pambudi, Tutut Chusniyah, Rania Rusda
- Strategy for Developing the Organic Fertilizer Industry to Support Sustainable Agricultural Practices in Indonesia 77
Irshan Zainuddin, Ignatius Subagjo, Wenny Ayunisa, Noor Asfa Fuad, Murbantan Tandirerung, Sih Parmiyatni, Sri Mumpuni Handayani, Suharto Ngudiwaluyo
- What Happens to Rainfed Corn Farmers on Climate Change? Overview of Income and Technical Efficiency at East Java 87
Mardiyah Hayati, Mohammad Wahyu Firdaus, Taufik Rizal Dwi Adi Nugroho, Syafrial Syafrial, Fatahullah Fatahullah, Mohammad Wildanul Jannah

Wetland restoration and mangrove conservation

- A Study of Carbon Sequestration Potency of *Rhizophora mucronata* Lamk. in the Mangrove Conservation Forest of Baros Beach, Bantul, Yogyakarta 98

<i>Tsabitah Putri Asmalda, Septiana Tri Utami, Halimatur Rosyida, Luthfi Azizatul Ulya, Azzah Fauziyatul Hana, Muhammad Rafie, Kumala Dewi, Liliana Baskorowati</i>	
Analysis of Sedimentation and Salinity Changes in the Coastal Mangrove Forest of Pasarbanggi, Rembang using Sediment Core and Diatom <i>Dianti Dianti, Tri Retnaningsih Soeprbowati, Anis Kurniasih</i>	114
Mangroves and Gender Roles: A Case Study of Desa Energi Berdikari Sepatin <i>Abra Arimagupita Sekarsoca</i>	126
Determining factors for the utilization of mangrove forest in Bontang, East Kalimantan <i>Eka Puspitawati, Farah Mulyasari, Nova Ulhasanah, Rico Ricardo, Evi Siti Sofiyah, Fatimah Dinan Qonitan, Harya Dwi Nugraha, Aisyah Kumala</i>	134
Blue carbon ecosystem	
Indonesian Blue Economy Dilemma: An Environmental Quandary on International Trade Shipping Lane within The Indonesian Legal System <i>Achmad Dhani Maulana, Muhammad Firman</i>	146
Urban green spaces	
Longevity and Fecundity of Female Black Soldier Fly (<i>Hermetia illucens</i> L.) Maintained with Honey Solution at Different Concentrations <i>Nada Nisrina Amri, Syafitriani Ardiasani, Nabilah Elvira, Lily Surayya Eka Putri, Bandung Sahari</i>	163
Assalaam Islamic Modern Boarding School (PPMI Assalaam) as a Solution for Urban Green Space <i>Joko Purnomo, Sapja Anantanyu, Haryani Saptaningtyas, Fachruddin M. Mangunjaya</i>	171
Analysis of Carbon Footprint and Impact of Global Warming Potential on Aspects of Transportation, Electricity and Water Use in Istiqlal Mosque <i>Ahmad Zikri Darmawan, Evi Siti Sofiyah, Fatimah Dinan Qonitan</i>	182
Handling Analysis of Liquefied Petroleum Gas in Reducing Waste: A Case Study in Indonesia <i>Resista Vikaliana, Roby Akbar Difa</i>	191
Urban Green Space Based on Sustainable Supply Chain Management Concept: A Review <i>Nailah Fiorenza Fitriyah, Resista Vikaliana</i>	204
Renewable energy in natural areas	
Biomass Briquette as a Renewable Energy Alternative <i>Yunita Ismail, Muhammad Baihaqi</i>	212
The Pattern of Extraction Factor by the Delignification Agent of <i>Gracilaria</i> Sp. Seaweed for Bioethanol <i>Ahmad Syauqi</i>	218
Catalyzing Indonesia's Clean Energy Transition: Assessing the Best-Fit For Nusantara's Capital City Future Energy Needs and Social- Economy Prospects <i>Muhammad Mashuri Adinugroho, Enzela Febrina</i>	226

Modelling Solar Energy Suitability in Java Island Using Remote Sensing and Machine Learning <i>Ivani Christin Nugraheni, Anjar Dimara Sakti, Ketut Wikantika</i>	236
Renewable Energy Potential From <i>Cyperus Rotundus</i> Linn Through Plant-Microbial Fuel Cell (P-MFC) As an Electrification in Indonesia's 3T Area <i>Rifqi Fajar Maulana, Uray Keisya Ranaputri</i>	245
Potential Of Copper-Based MOFs As Heterogeneous Catalysts In Biodiesel Production From Waste Cooking Oil (WCO) <i>Nila Tanyela Berghuis, Fandry Hosea Jaby, Muttaqin Muttaqin</i>	256
Exploring Black Soldier Fly Larvae as a Sustainable Biodiesel Source with Base Catalysts: An Analytical and Characterization Study <i>Ariyanti Sarwono, Eri Aryani, Ari Rahman, Nurulbaiti Listyendah Zahra, Alvia Harmayanti</i>	276
Exploring Biodiesel Potential from Black Soldier Fly Larvae with Base Catalysts <i>Ariyanti Sarwono, Alvia Harmayanti, Nurulbaiti Listyendah Zahra, Ari Rahman, Eri Aryani</i>	289
Green Hydrogen Modeling in Indonesia: Potential for Production, Consumption, and Greenhouse Gases Emissions <i>Grace Yoane Monalisa, Arief Sudrajat</i>	300
Characterization Briquettes Coffee Wood Residues and Corncobs as An Alternative Energy Source <i>Restu Auliani, Himmatul Yasmin Siregar, Muhammad Amin, Desy Ari Apsari, Rena Arifah, Ice Ratnalela Siregar</i>	315
Ecosystem-based adaptation	
Poverty And Climate Change Awareness: A Lesson From Pekalongan <i>Muhammad Rayhan I'tisham, Tutut Chusniyah, Shaqilla Aulia Hakim, Kukuh Setyo Pambudi, Gebi Angelina Zahra</i>	327
The Effectiveness of Social Media Campaigns in Raising Awareness about Climate Change among Indonesian Gen Z <i>Shaqilla Aulia Hakim, Tutut Chusniyah, Muhammad Rayhan I'tisham, Kukuh Setyo Pambudi</i>	335
The Ability of Coconut Shell Biochar Originated from Highland Area to Remove Nutrients from Agricultural Wastewater <i>Tivany Edwin, Putri Sri Komala, Mas Mera, Zulkarnaini Zulkarnaini</i>	348
Assessing Tidal Flooding Vulnerability in the Coastal Region of Central Java Using Remote Sensing Approach <i>Kurnia Putri Adillah, Anjar Dimara Sakti, Luri Nurlaila Syahid, Ketut Wikantika</i>	355
Analysis of Opportunities and Challenges of Community-based Adaptation as an Action to Combat Climate Change <i>Desnanda Luklu Chusnia, Sulistiawan Fajar Nugroho</i>	363
Investigated The Presence of Oil in the Xylem Vessels of Mangrove Stems from Oil-contaminated Beaches <i>Muhammad Rifki Rizaldi, Triadiati Triadiati, Yohana Caecilia Sulistyarningsih</i>	374

Evaluation of Production Capability Using The Min-Max Stock Method: A Case Study at An Indonesian Oil Refinery Unit <i>Resista Vikaliana, Daris Setya Saputra</i>	388
Muro: An Indigenous Method to Deal with Climate Change <i>Basma Tania, Kukuh Setyo Pambudi, Shahnaz Prawingsatiningrum, Tutut Chusniyah, Deniar Rahmawati Kusnindar</i>	403