

## 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.

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Chairman of RESILIENCE 2023