

International Journal of Sustainable Future for Human Security

Published by Sustain Society in Kyoto, Japan | Online ISSN: 2187 - 4506

Chief Editors:

N. Agya Utama
Swiss German University
agya.utama@gmail.com

Benjamin C. McLellan
Kyoto University, Yoshida-honmachi, Kyoto, Japan
b-mclellan@energy.kyoto-u.ac.jp

Managing Editor:

Roma Dian Andiyani
Sustain Society, Indonesia
dianroma@gmail.com

Iqbal Ramdani Ridwan
Sustain Society, Indonesia
ibay.ramdani@gmail.com

Subject Editors:

Energy:

Hooman Farzaneh (Kyoto University, Japan)

Environment:

Ari Rahman (Pertamina University, Indonesia)

Build Environment:

Robby Permata (Bung Hatta University, Indonesia)

Niken Prilandita (Bandung Institute of Technology, Indonesia)

Forestry

Hatma Suryatmojo (Universitas Gadjah Mada, Indonesia)

Food Security & Agriculture:

Slamet Widodo (Bogor Agricultural University, Indonesia)

Disaster & Mitigation:

Miguel Esteban (Tokyo University, Japan)

Social Politics:

Agus Trihartono (Jember University, Indonesia)

Editorial Board:

Qi Zhang (China University of Petroleum, Beijing, China)
Yulianto P. Prihatmaji (Islamic University of Indonesia, Indonesia)
Taro Sonobe (Kyoto University, Japan)
Md. Nazrul Islam (Jahangirnagar University, Bangladesh)
Yusuke Toyoda (Ritsumeikan University, Japan)
Halimin Herjanto (Mc Kendree University, USA)
Novri Susan (Universitas Airlangga, Indonesia)

Associate Editors:

Suharman Hamzah (Hasanudin University, Indonesia)
Hadiyanto (Diponegoro University, Indonesia)
Fadjar Goembira (Andalas University, Indonesia)
Puji Harsanto (Muhammadiyah Yogyakarta University, Indonesia)
Wignyo Adiyoso (National Development Planning Agency [BAPPENAS])
Nino Viartasiwi (Ritsumeikan University, Japan)
I Nengah Swastika (Tadulako University, Indonesia)
Muhammad Ery Wijaya (Climate Policy Initiative Indonesia)
Prawira Fajarindra Belgiawan (ETH Zurich, Switzerland)

Aims and Scope

The International Journal of Sustainable Future for Human Security (J-Sustain) originated from the need to provide an interdisciplinary forum where the most serious problems affecting a sustainable future for human security can be discussed, in recognition of the fact that many future problems cannot be solved by a "siloed" approach. The emphasis on sustainable futures is in response to the general awareness of the need to solve numerous human-related problems resulting from the rapid growth of modern society. The topic of sustainable futures for human security needs to be discussed in an integrated way, in accordance with the principles of sustainability, considering energy and materials supply, economics and trade, technology, cities, agriculture, social and environmental aspects.

Contents

Editorial

Benjamin C. McLellan, N. Agya Utama	1-2
Feasibility Study of Hybrid Wind-Solar Stand-Alone Energy Systems for Remote Regions in Developing Countries: The case of Post-Soviet Uzbekistan	
Nigora Djalilova and Miguel Esteban	3-14
Effectiveness of Low Thermal Destruction on Drinking Water Contain Enteropathogenic Bacteria Isolated from Wellspring at Mojo Village Lumajang Regency-Indonesia	
N.Nurhayati, Aditya Oktavianto, Enny Suswati and Dedy Eko Rahmanto	15-19
The Influence of Organic Matter Application Upon The Effectiveness of Reduction of Heavy Metals: Lead (Pb) and Cadmium (Cd) by Hyperaccumulator Plant	
Tri Candra Setiawati, Arie Mudjiharjati and M.H. Pandutama	20-27
Improved Risk Assessment of Tsunami Inundation Based on Geospatial and Local Knowledge for Sustainable Development	
Ni Made Pertiwi Jaya, Nagai Masahiko, Gallardo Mauricio Reyes and Miura Fusanori	28-38
Assessment of The Sustainable Financial-Aspect of Polders in The Province of DKI Jakarta	
Wied Wiwoho Winaktoe, Bart Schultz and F.X. Suryadi	39-47