THE 6th INTERNATIONAL CONFERENCE ON CLIMATE CHANGE (6th ICCC)

PREFACE

Intro and Goal

Covid-19 pandemic teaches us that climate change impact sometimes incredibly unpredictable. Not only the increase of heat exposure or natural hazard due to extreme weather, but the emergence of new species or the mutation of microorganism due to the changing ecology may harmful for human beings and another organism. This anthropological climate change phenomenon has negatively altered the most fundamental natural resources for living organism: air, water, and soil. Air has been polluted and warming due to human activities. The quantity of freshwater keeps on depleting, while the ground water recharge intervened with chemical and biological contamination. The sustainability of soil as the natural planting media is under threat due to land use conversion and soil quality degradation. Water acidification and temperature increase have been proved to change the salinity of seawater. Those climate change sensitive exposure may affect the immune system of the living things to survive. Those conditions grow the concern for the health status of humans, crops, farmed and wild animals.

Understanding the mechanism whereby the climate change exposures affects the immunomodulation in living organisms may mitigate the negative health risks outcome. According to the circumstances, the 6th International Conference on Climate Change (ICCC) is focusing the discussion on climate change effects on immunomodulation as it is also the main topic of Sebelas Maret University of the 45th Dies Natalis’ anniversary address. Focusing and improving the climatic resilience strategies on immune system will be of considerably important to overcome the key climate-change sensitive pathways, as well as to support the achievements some global goals in the Sustainable Development Goals (SDGs). The goal of the 6th ICCC was to accommodate the new related inspiration and innovation about how to minimize the climate change impact at present. It formulated a comprehensive and efficient strategies on how to minimize the risk of outbreak and hazards caused by climate change.

The 6th ICCC 2021 is organized by The Graduate School of Sebelas Maret University (Surakarta, Indonesia), collaborating with The United Graduate School of Agriculture Science (UGSAS), Gifu University (Japan) together and UNS Forestry Education and Training Center (UPT Pusat Pendidikan dan Pelatihan Kehutanan, UNS) (Karanganyar, Indonesia). The 6th ICCC is also part of Sebelas University 45th Dies Natalis Anniversary celebration activities, as can be seen in the e-poster of call for papers presented in Figure 1.
Invited Speakers and Guest Editors

We acknowledge to all the speakers at The 5th ICCC 2020, i.e.: Dr.(c) dr. Agus Joko S, Sp.PD., K-AI, FINASIM from Sebelas Maret University, Indonesia; Prof. Dr. Djoko Purnomo from Sebelas Maret University, Indonesia; Prof. Dr. M. Nasir Uddin from Texas A&M Univ., USA; Prof. Dr. Nurun Nabi from University of Dhaka, Bangladesh; Prof. Dr. Masato Yayota from UGSAS, Gifu University, Japan; Prof. Dr. Avishek Datta from Asian Institute of Technology, Thailand. The sample of invited speakers presentation is presented in Figure 2 and Figure 3.
Figure 2. Presentation of invited speaker (Dr.(c) dr. Agus Joko S, Sp.PD., K-AI, FINASIM from Sebelas Maret University)

Figure 3. Presentation of invited speaker (Prof. Dr. M. Nasir Uddin from Texas A&M Univ., USA)

We also express our highest gratitude to the Guest Editors who assisted in reviewing the papers, including Prof. Dr. MTh. Sri Budiastuti from Sebelas Maret University, Indonesia; Dr. Keigo Noda from Gifu University Japan; Prof. Dr. Kamal Uddin from Universiti Putra Malaysia; Dr. Anthony Kent from RMIT Univ., Australia, Prof. Dr. Zafar Ullah and other reviewers we cannot mention one by one.
**Virtual Conference Disclaimer**

The 6th International Conference on Climate Change (ICCC) 2020 was held as a virtual conference, because the global coronavirus (Covid-19) also hit Indonesia and caused high rate of mortality. The date of the conference was May 21st, 2021. It was very interesting and challenging to organize the virtual conference, as it is becoming the demand of the technology-based future lifestyle. The virtual conference is environmentally friendly because reduce the carbon emission by minimize the global mobility. There was no significant problem regarding communication between invited speakers with participants and among participants. So, when the global pandemic has ended, the virtual conference sometimes needs to be carried out, accompanying the on-site conference.

Due to uncertain global situation due to the pandemic for unknown period, the conference should be organized virtual to support academicians and students knowledge transfer.

**Date of conference, Location of organizer and Conference model**

The Virtual Conference Dates of was May 25th, 2021. The location of organizers: Graduate School of Sebelas Maret University, Ir. Sutami Street No. 36, Kentingan, Surakarta, Indonesia, 57126. The conference used Zoom® meeting room for both plenary and parallel sessions. Each invited speakers and participant joined the meeting room through the link, meeting ID dan password given by the organizers. The plenary session lasted for 3 hours on 25th May 2021. The Zoom® link for the plenary session was https://s.id/ICCC2021Speakers. The recording of the plenary session can be seen in the Youtube link: https://youtu.be/XMIslHygIYc. The parallel session was held for 6 hours (25 May 2021) and divided to 9 classrooms. Each author should make the oral presentation within 15 minutes including discussion. Total papers presented were 128 papers. Information on discussion and Question & Answer sessions. Because the parallel session was divided into 10 classrooms, other authors within the same room can ask question directly or through the chatroom to an author which was presenting his/her paper.

**Location of participants and overall participant number**

Location of participants and overall participant numbers: Participants of the 6th ICCC was distributed worldwide: Malaysia, Japan, India, Thailand, Bangladesh, Rwanda, USA and Australia. Overall participants including non-authors were 252 participants. The technology used was live video conference using Zoom® meeting room. The capacity of the Zoom® meeting room for the plenary session was 1,000 persons, where the capacity of each classroom of parallel session was 100 persons. The 6th ICCC 2020 was successful and was recorded with Youtube link: (https://youtu.be/XMIslHygIYc). The example of authors’ presentation is shown in Figure 4 and 5.

**Committee List**

I also express my highest gratitude to the steering committees for their contributions to the 6th ICCC, i.e.: Prof. Dr. Ahmad Yunus and Prof. Dr. Sutarno from Sebelas Maret University, Indonesia; Prof. Dr. Ken Hiramatsu from Gifu University, Japan; Dr. James MacGregor from Eco Planet, Canada; and Dr. Anthony Kent from RMIT Univ., Australia. Also, dr. Lula Kamal, M.Sc. for contributed an amazing moderator during this conference. Finally, I acknowledge the organizing committee for their great valuable collaboration, namely Dr. Komariah, Dr. Jauhari Syamisuyah, Dr. Andriyana Setyawati,
Dr. Yuli Yanti, Dr.(c). Sumani, Dr.(c.) Aktavia Herawati, Dr.(c.) Ganjar Herdiansyah and Mr. Sidik Pramono and all the committee member from Sebelas Maret University, Indonesia and Ms. Shigeno Kurimoto from Gifu University, Japan.

The success of delivery of the conference

The success of the conference is well recorded at the Youtube Video, and can be seen in the following links:
➢ Plenary session: https://youtu.be/XMIslHygIfYc
➢ Parallel room 1: https://youtu.be/kZsNGXGOeko
➢ Parallel room 2: https://youtu.be/0fUsES3zJLM
➢ Parallel room 3: https://youtu.be/5kg5sro2rQc
➢ Parallel room 4: https://youtu.be/ESt15k0-bT1
➢ Parallel room 5: https://youtu.be/Fucdlw23pQo
➢ Parallel room 6: https://youtu.be/vcVkeRxp5Y0
➢ Parallel room 7: https://youtu.be/5NRDeXKM6A
➢ Parallel room 8: https://youtu.be/ybc2zm3USgc

Thank you for your attention.

Chairman,
Dwi Priyo Ariyanto, PhD.

Committee List

Steering Committee
1. Prof. Dr. Ahmad Yunus (Sebelas Maret University, Indonesia)
2. Prof. Dr. Sutarno (Sebelas Maret University, Indonesia)
3. Prof. Dr. Ken Hiramatsu (Gifu University, Japan)
4. Dr. James MacGregor (Eco Planet, Canada)
5. Dr. Anthony Kent (RMIT Univ., Australia)

Organizing Committee
1. Dr. Dwi Priyo Ariyanto (Sebelas Maret University, Indonesia)
2. Dr. Komariah (Sebelas Maret University, Indonesia)
3. Ms. Shigeno Kurimoto (Gifu University, Japan)
4. Dr. Jauhari Syamsiyah (Sebelas Maret University, Indonesia),
5. Dr. Andriyana Setyawati (Sebelas Maret University, Indonesia)
6. Dr. Yuli Yanti (Sebelas Maret University, Indonesia)
7. Dr.(c.). Sumani (Sebelas Maret University, Indonesia)
8. Dr.(c.) Aktavia Herawati (Sebelas Maret University, Indonesia)
9. Dr.(c.) Ganjar Herdiansyah (Sebelas Maret University, Indonesia)
10. Mr. Sidik Pramono (Sebelas Maret University, Indonesia)