



INTERNATIONAL SEMINAR ON FISH AND FISHERIES SCIENCES (ISFFS) 2021

Preface

The International Seminar on Fish and Fisheries Sciences (ISFFS) with the theme “Science and innovative technologies for ensuring the long-term sustainability of fisheries towards Society 5.0” was conducted virtually on July 13-14, 2021 due to the ongoing COVID-19 pandemic. The seminar was organized by the Indonesian Ichthyological Society (Masyarakat Iktiologi Indonesia), in collaboration with the Faculty of Marine Science and Fisheries, Udayana University, Research Center for Fisheries, Ministry of Marine Affairs and Fisheries, Research Center for Biology, Indonesian Institute of Science, BIONESIA (Biodiversitas Indonesia), Faculty of Fisheries and Marine Sciences, IPB University and The Jakarta Technical University of Fisheries.

The opening keynote was given by the Minister of Marine Affairs and Fisheries, Republic of Indonesia, then continued by welcoming remarks from the Governor of Bali Province, Rector of the Udayana University, and Chairman of the Indonesian Ichthyological Society. Our four plenary speakers were sure to inspire participants with their broad experiences in their particular field. Prof. Dr. Nicolas Hubert (IRD, France) talked on DNA barcoding and biogeography of Sundaland freshwater fishes, Prof. Dr. Dr. habil. Sven M. Bergmann (Institute of Infectiology, Friedrich-Loeffler-Institut (FLI), Germany) delivered speak about Global warming and viral diseases – Tilapia Lake Virus (TiLV) on tilapia, common carp, crucian carp, and rainbow trout. Dr. Allen (Smithsonian Institution, USA) presented an excellent topic Towards a comprehensive barcode database for fishes of the US EEZ, and Prof. Dr. Teguh Peristiwady (Research Centre for Oceanography, Indonesia) shared the recent biodiversity of marine fishes from Indonesia.

A total of 148 manuscripts was presented in a two-day event, both in oral and poster presentations. More than 400 participants, including researchers, academicians, government and non-government officials, and graduate and undergraduate students from 9 countries, were involved in fruitful discussion and knowledge sharing. The submitted manuscripts have been through conscientious review and process to meet the qualifications of the international publication standard.

The proceedings are a compilation of the accepted articles based on their originality and significance to the aim of ISFFS 2021. All the accepted papers are grouped into five topic areas: Biodiversity, Fisheries Biology and Conservation, Aquaculture, Fish Capture and Fishing Gear, Post-harvest and Fish Processing Technology, and Fisheries Social, Economics, and Extension.

As chairman of the ISFFS 2021, I would like to express my sincere gratitude to plenary speakers, authors, reviewers, scientific editors, and all technical committee members who made the International Seminar on Fish and Fisheries Sciences was running well. Then the conference proceedings are ready to be published with E3S Web of Conferences. Last but not least, I also want to thank the Indonesian Ichthyological

Society, Faculty of Marine Science and Fisheries, Udayana University, Research Center for Fisheries, Ministry of Marine Affairs and Fisheries, Research Center for Biology, Indonesian Institute of Science (LIPI), BIONESIA- Biodiversitas Indonesia, Faculty of Fisheries and Marine Sciences, IPB University and the Jakarta Technical University of Fisheries for a good collaboration. Special thanks go to USAID through PEER Program BIONESIA and JAPFA, for their contribution to funding this seminar.

Chairman of ISFFS 2021,

Dr. Charles P. H. Simanjuntak