



UNIVERSITY OF MATARAM



IWoRS
2021

PROGRAM BOOK

The 13th International Symposium of IWoRS

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Keynote Speaker



Dr. Agus Justianto
Director General, Forestry and Environment Research



Assc. Prof. Dr. David Auty
Northern Arizona University



Prof. Dr. Ryo Funada
President of the Japan Wood Research Society



Prof. Jegatheswaran Ratnasingam
Universiti Putra Malaysia



Prof. Zhongwei Guan, Ph.D
Executive Director of Advance Materials Research Center



Dr. Wen-Shao Chang
The University of Sheffield



Symposium Agenda

September 2nd, 2021

Time	Program						
08.00-08.30	Registrations						
08.30-08.40	Opening Ceremony						
	Welcome remarks :						
	Speech from symposium Chairperson						
	Speech from Mataram University Rector						
08.40-08.45	Photo Sessions						
08.45-09.15	Keynote Speaker 1 : Dr. Agus Justianto <i>(Covid 19 and Forestry Sector: Challenges and Opportunities for Better Resilience in Indonesia)</i>						Moderator : Prof. Buan Ansari, Ph.D
09.15-09.45	Keynote speaker 2 : Assc. Prof. Dr. David Auty <i>(Innovation in Wood Modelling towards Sustainable Management of Timber Resources)</i>						
09.45-10.15	Keynote Speaker 3 : Prof. Dr. Ryo Funada <i>(Overview of Current Condition & Future Trend of Woody Biomass in Japan)</i>						
10.15-10.45	Keynote Speaker 4 : Prof. Jegatheswaran Ratnasingam <i>(Application of Industrial Revolution 4.0 in Wood Industry)</i>						
10.45-11.15	Keynote Speaker 5 : Prof. Zhongwei Guan, PhD <i>(Adhesive Free Timber Building Using Compressed Wood Fasteners)</i>						
11.15-11.45	Keynote Speaker 6 : Dr. Wen-Shao Chang <i>(Timber Engineering and Smart Materials)</i>						
11.45-12.30	Discussions						
12.30-13.00	Lunch						
13.00-17.30	Parallel Session 1						
	Break room 1 (BC)	Break room 2 (WQ1)	Break room 3 (WQ2)	Break room 4 (NC1)	Break room 5 (NC2)	Break room 6 (GF)	Break room 7 (GF2)
Session 1 (13.00-14.45)	Moderator: Sahriyanti Saad, Ph.D.	Moderator: Tomy Listyanto, Ph.D.	Moderator: Prof. Dodi Nandika	Moderator: Dr. Istie Sekartining Rahayu	Moderator: Dr. Riksfardi ni Annisa Ermawar	Moderator: Dr. Sitti Latifah	Moderator: Eni Hidayati, M.Sc.
13.00-13.15	BC-01;	WQ-01;	WQ-11;	NC-02;	NC-11;	GF-01;	GF-13;
13.15-13.30	BC-02;	WQ-02;	WQ-12;	NC03;	NC-12;	GF-02;	GF-14;
13.30-13.45	BC-03;	WQ-04;	WQ-13;	NC-04;	NC-13;	GF-04;	GF-15;
13.45-14.00	BC-04;	WQ-05;	WQ-14;	NC-05;	NC-14;	GF-07;	GF-16;
14.00-14.15	BC-05;	discussion	WQ-15	NC-06;	NC-15	GF-08;	GF-17
14.15-14.30	BC-06		discussion	discussion	discussion	discussion	discussion
14.30-14.45	discussion						
Session 2 (14.45-16.30)	Moderator: Krisdianto, Ph.D.	Moderator: Prof. Vivian Daracan	Moderator: Ratih Damayanti, Ph.D.	Moderator: Dr. Firda Aulya Syamani	Moderator: Nanang Masruchin, Ph.D.	Moderator: Irwani MahakamM. For.Sc.	
14.45-15.00	BC-07;	WQ-06;	WQ-16;	NC-07;	NC-16;	GF-09;	
15.00-15.15	BC-08;	WQ-07;	WQ17;	NC-08;	NC-17;	GF-10;	
15.15-15.30	BC-09;	WQ-08;	WQ-18;	NC-09;	NC-18;	GF-11;	
15.30-15.45	BC-10;	WQ-09;	WQ-19	NC-10	NC-19;	GF-12;	
15.45-16.00	BC-11;	discussion	discussion	discussion	NC-20	GF-18;	
16.00-16.15	BC12				discussion	GF-19	
16.15-16.30	discussion					discussion	
16.30-17.00	Closing						



WELCOME MESSAGE



On behalf of the Organizing Committee, I am pleased to welcome you all to The 13th International Symposium of International Wood Research Society (IWoRS 2021). This symposium is a one-day event, which is today, the 2nd of September 2021, and hosted by the Department of Forestry, Faculty of Agriculture, University of Mataram in collaboration with MAPEKI. The symposium has attracted many scientists, especially in the field of wood science and technology, to disseminate their work and publish their papers in the IOP publishing series.

The theme of this year's symposium is "Inclusive strategy development for sustainable forestry management through social protection and economic recovery during and after Covid-19". The keynote speakers comprise of experts from 6 different countries, they are Dr. Agus Justinanto (Director General of Sustainable Forest Management, Indonesia), assc. Prof. Dr. David Auty (Northern Arizona University), Prof. Dr. Ryo Funada (President of the Japan Wood Research Society), Prof. Jegatheswaran Ratnasinga (University Putra Malaysia), Prof. Zhongwei Guan, Ph.D. (Executive Director of Advance Materials Research Center), Dr. Wen Shao Chang (The University of Sheffield).

This symposium was attended by 107 participants from 8 countries (including Indonesia, Malaysia, Japan, Philippines, China, Australia, Germany, and France). There will be 65 oral presenters throughout the symposium, which will cover the scopes of biocomposites, wood characteristics and wood quality improvement, nanotechnology and forest product chemistry, and general forestry.

Last but not least, I would like to express my gratitude to the entire committee for their hard work and also to the institutions and companies that have supported the success of The 13th International Symposium of International Wood Research Society (IWoRS 2021).

Best regards,

Chairman of the Committee for The 13th International Symposium of IWoRS 2021



Community Knowledge and Involvement in Mangrove Ecosystem Management in The Coastal of Muara Gembong Bekasi

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ABSTRACT

Mangrove ecosystems have experienced pressure and decreased function due to abrasion and high land conversion activities for pond expansion. The government has tried to increase the role of the community for mangrove conservation but this effort has not obtained optimal results. This study aims to determine the understanding of coastal communities about Mangroves and community involvement in Mangrove ecosystem management. Methods of data collection using a questionnaire instrument, field observations, and in-depth interviews. Data analysis was done descriptively tabulated. The selection of respondents using purposive sampling. The results of the study stated that 60% of the community understood the importance of mangroves for their lives. The community understands that mangroves are a source of livelihood for the community and protect the coast from waves and abrasion. The community is actively involved in Mangrove planting program activities (53%) but based on activities initiated by the government in certain groups. Efforts to improve community institutions in mangrove management need to be improved so that regional sustainability and the welfare of coastal communities can be achieved.

Keywords : community knowledge, mangrove ecosystem, mangrove management.