



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



Ascc. 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						



Program Book
IWoRS 2021

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



Land Use Conflict Mapping in Mount Rinjani National Park Pesangrahan Village East Lombok District

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ABSTRACT

This study aims to map the conflict in the use of forest resources in the area of Mount Rinjani National Park as an implication of the management model implemented, then formulate several alternative solutions to reduce the negative impact of the conflict. This research used a case study approach. The data collected in this research was through several data collection methods such as field observations, interviews using questionnaires, in-depth interviews, Focus Group Discussions, Participatory Rural Appraisal, and literature studies. Analysis of the data used in this study adopted the concept of dispute style analysis. Based on the results, using Analysis of Dispute Mode (AGATA), in the Pesangrahan village, the actors are divided into three categories, namely compromise, negotiation, and collaboration. The results also illustrate that there are still multiple interpretations related to the utilization of national park areas in the region, and thus, a definite collaboration mechanism is needed principle-based on principles of co-ownership, co-operation, and responsibility.

Keywords : Conflict, National Park, Mount Rinjani, Analysis of Dispute Mode.