

**THE FIRST INTERNATIONAL SYMPOSIUM OF  
INDONESIAN WOOD RESEARCH SOCIETY**

**“Contribution of Scientific Profession Society on the Development of  
Wood Science and Technology in Indonesia”**

**Organized by**

Indonesian Wood Research Society

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IPB INTERNATIONAL CONVENTION CENTER  
BOGOR, INDONESIA

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## Schedule

### Day one: November 2, 2009

<b>08.00 – 09.00</b>	<b>Registration</b>
<b>09.00 – 09.30</b>	<b>Opening Ceremony &amp; Speeches</b>
09.00 – 09.15	Prof. Muh. Yusram Massijaya - Chair of IWRS & the Symposium
09.15 – 09.30	Prof. Dodi Nandika - Advisory Board of Organizing Committee
<b>09.30 – 10.00</b>	<b>Coffee Break</b>
<b>10.00 – 11.00</b>	<b>Keynote Speeches – Moderator: Prof. Yusuf Sudo Hadi</b>
10.00 – 10.30	Prof. Endang Sukara - Biodiversity & Forest Environment in Indonesia
10.30 – 11.00	Prof. Yuji Imamura - Morphological Understanding of Wood Degradation and its Prevention
<b>11.00 – 12.00</b>	<b>Parallel Session I</b>
<b>12.00 – 13.00</b>	<b>Lunch</b>
<b>13.00 – 14.00</b>	<b>Parallel Session II</b>
<b>14.00 – 15.00</b>	<b>Parallel Session III</b>
<b>15.00 – 15.30</b>	<b>Coffee Break</b>
<b>15.30 – 16.30</b>	<b>Parallel Session IV</b>
<b>17.00 – 18.00</b>	<b>Editorial Board &amp; Peer Review Meeting</b>
<b>19.00 – 21.00</b>	<b>Dinner</b>

**Day two: November 3, 2009**

<b>08.30 – 09.30</b>	<b>Keynote Speeches - Moderators: Prof. Wasrin Syafii</b>
08.30 – 09.00	Prof. Nam Hun Kim - Recent Trend of Forest Products Research in the World
09.00 – 09.30	Prof. Yusuf Sudo Hadi - Forest Products Research Achievement and Trend in Indonesia
<b>09.30 – 10.00</b>	<b>Coffee Break</b>
<b>10.00 – 11.00</b>	<b>Parallel Session V</b>
<b>11.00 – 12.00</b>	<b>Parallel Session VI</b>
<b>12.00 – 13.00</b>	<b>Lunch</b>
<b>13.00 – 14.00</b>	<b>Parallel Session VII</b>
<b>14.00 – 15.00</b>	<b>Parallel Session VIII</b>
<b>15.00 – 15.30</b>	<b>Coffee Break</b>
<b>15.30 – 16.00</b>	<b>Closing Speeches &amp; Ceremony</b>
15.30 – 16.00	Prof. Rohani Jahja Widodo - The role of Art, Spiritual, Science, Engineering and Technology (ASSET) for Improving the Quality of the Indonesian Wood Research (IQIWR)
16.00 – 16.15	Prof. Muh. Yusram Massijaya - Closing Ceremony

## Day One – Meeting Room 1

### 11.00 – 12.00      Parallel Session I

Room 1               : *Wood Anatomy*

Moderator           : Imam Wahyudi

1. Wood Anatomy and Fiber Quality of *Platea* spp. (Icacinaceae) - **Listya Mustika Dewi**, Imam Wahyudi and Yance I. Mandang
2. Microfibril Angle and Degree of Crystallinity of Several Woods - **Andi Detti Yunianti** and Gustan Pari
3. The Type of Ligulate Extensions from Several Woods - **Andi Detti Yunianti** and I.K.N. Pandit
4. Wood Anatomy and Fiber Quality of Eight Least Known Timbers Belongs to Actinidiaceae and Bignoniaceae from Indonesia - **Ratih Damayanti** and Sri Rulliaty

### 13.00 – 14.00      Parallel Session II

Room 1               : *Wood Properties*

Moderator           : Sri Nugroho Marsoem

1. Chemical Component and Anatomical Features of Three Species of Bamboo - **Elyazar Manuhuwa**
2. Radial Variation of Wood Property in *Agathis* sp. and *Pinus insularis* Growing at Plantation in Indonesia - **Futoshi Ishiguri**, Imam Wahyudi, Kazuya Iizuka, Shinso Yokota and Nobuo Yoshizawa
3. The Physical and Mechanical Properties of Branch Wood of *Schizolobium amazonicum* Vog. - **Yusup Amin**, Danang Sudarwoko Adi, Ika Wahyuni, Teguh Darmawan, Wahyu Dwianto and Sunarko
4. Acoustical Properties of Some Fast Growing Species - **L. Karlinasari**, H. Baehaqi, A. Maddu and TR. Mardikanto

### 14.00 – 15.00      Parallel Session III

Room 1               : *Wood Properties*

Moderator           : Futoshi Ishiguri

1. The Hardness of Indonesian Hardwood Species - **Johannes Adhijoso Tjondro** and Harry Patria
2. The Bending Strength and Modulus of Elasticity of Indonesian Hardwood Species - **Johannes Adhijoso Tjondro** and Novi Indrawati
3. Non-linear Compression Stress-strain Curve Model for Hardwood - **Johannes Adhijoso Tjondro**, Bambang Suryoatmono, Shinta Hita Nastiti, William Supandi
4. Fiber Saturation Point of Several Indonesian Commercial Wood Species - **Imam Wahyudi** and Arif Rakhman Harijadi

**15.30 – 16.30      Parallel Session IV**

Room 1               : *Wood Properties*

Moderator         : Lina Karlinasari

1. Drying Behaviors of Two Papuan Wood Species (*Alstonia scholaris* R. Br. and *Syzigium versteegii* M. et P.) in a Solar-Wood Waste Fired Kiln - **Reinardus Cabuy** and Yosias Gandhi
2. Effect of Hole Diameter and Drying Condition on Shrinkage and Defect of Sugi (*Cryptomeria japonica* D. Don) Wood in Convective Air Dryer - **Yustinus Suranto** and Kazuo Hayashi
3. The Combination of Silviculture and Drying Techniques Resulted in Good Quality of Mangium Lumbers - Efrida Basri and **Karnita Yuniarti**
4. The Effect of Tree Age on Properties and Qualities of Perhutani Plus Teak-wood - **Efrida Basri**, Nurwati Hadjib and Karnita Yuniarti

## **Day Two - Meeting Room 1**

**10.00 – 11.00    Parallel Session V**

Room 1               : *Wood Quality Enhancement*

Moderator         : Rudi Hartono

1. Durability of Pulai (*Alstonia scholaris*) Densified Wood Against Subterranean Termites *Coptotermes curvignathus* Holmgren - **Arinana** and Farah Diba
2. Fixation of Agathis and Gmelina Densified Woods at Radial Direction and Observation of their Anatomical Structure - **Atmawi Darwis**, Imam Wahyudi and Wahyu Dwianto
3. Enhancement on Wood Shrinkage of Fast Growing Teakwood - **Barly** and Jamaludin Malik
4. Quality Enhancement of Pine Wood Attacked by Blue-Stain - **Agussalim** and Zahrial Coto

**11.00 – 12.00    Parallel Session VI**

Room 1               : *Wood Quality Enhancement*

Moderator         : Wahyu Dwianto

1. Treatment of Oil Palm Wood with Low-molecular Weight Phenol Formaldehyde Resin and Its Machining Characteristics - Chong Yi Way, **Edi Suhaimi Bakar**, Zaidon Ashaari and Mohd. Hamami Sahri
2. Basic Properties and Formaldehyde Emission of Low-Molecular Weight Phenol Formaldehyde Treated Oil Palm Wood - Muhamad Amarullah, **Edi Suhaimi Bakar**, Zaidon Ashaari, Mohd Hamami Sahri, and Fauzi Febrianto
3. Physical and Mechanical Properties of Randu and Angsana impregnated with Polystyrene - **Rudi Hartono**, Sucahyo, Yusuf Sudo Hadi and Jasni
4. Effect of Impregnation of PEG-1000 on Drying and Machining Characteristics of 15 Year Old Teak (*Tectona Grandiis* L.F) from Two Sites in Yogyakarta - **Tomy Listyanto**, M. Navis Rofii and Sutjipto A. Hadikusumo

5. Fire Resistance Test of Trembulu Timber (*Maesopsis Eminii* Engl.) with Natrium Silicate at Various Concentration and Pressure Level - Aziz Yuliyanto, Sutjipto, A.H. and **Tomy Listyanto**

**13.00 – 14.00 Parallel Session VII**

Room 1 : *Wood Constructions*

Moderator : Kohei Komatsu

1. *Acacia mangium* Shear Modulus Based on ASTM D198-05a(2008) and Modulus of Elasticity Curve - **Indah Sulistyawati**, Naresworo Nugroho, Surjono Surjokusumo and Yusuf Sudo Hadi
2. Finite Element Modeling of Glulam Beams Reinforced by Compressed Wood Fasteners - **B. Anshari**, Z.W. Guan and K. Komatsu
3. Group Action Factor of Nail Fastener on the Wood Connection with Plywood Sides Plate - **Johannes Adhijoso Tjondro** and Evan Kurnia Rosiman
4. Optimum Lamina Configuration of I Glulam Beam - **Johannes Adhijoso Tjondro** and Buen Sian
5. Reinforcement of Traditional Timber Shear Walls - **Wen-Shao Chang**

**14.00 – 15.00 Parallel Session VIII**

Room 1 : *Wood Constructions*

Moderator : Surjono Suryokusumo

1. The Reliability of LVL-CFB Shearwall Structure Due to Pseudo Dynamic Cyclic Load - **Maryoko Hadi**
2. Analyses on Though-Bolts Type Wooden Beam-Column Joints Subjected to Rotational Moment - **Kohei Komatsu**
3. Bamboo Connection Design (An advanced Research) - **Gina Bachtiar**, Naresworo Nugroho and FM. Farida
4. Possibility of Javanese Traditional House Reconstruction Using Laminated Veneer Lumber (LVL) - **Yulianto P. Prihatmaji**

## Day One – Meeting Room 2

### 11.00 – 12.00 Parallel Session I

Room 2 : *Wood Composites*

Moderator : Fauzi Febrianto

1. Wear of Wood Polymer Composite for Journal Bearing Materials - **Sinin Hamdan**, Mohd. Abdul Mun'aim Mohd Idrus, Md Rezaur Rahman, Nurul Faziha Ibrahim and Md Saiful Islam
2. Biocomposites of Polypropylene or Polylactic Acid Reinforced with Sisal or Bamboo Micro Fibers - **Subyakto**, Euis Hermiati, Dede Heri Yuli Yanto, Nanang Masruchin, Fitria, Kurnia Wiji Prasetyo and Ismadi
3. Bagasse Fiber Reinforced Polypropylene Composites: Mechanical, Physical and Thermal Characteristics of the Composites - **Nanang Masruchin**, W.B. Kusumaningrum, Ismadi and Subyakto
4. Effects of Curing Time on the Curing Behavior of Resorcinol Formaldehyde (RF) Resin Adhesives in the *A. mangium* and *P. merkusii* Bonding System - **Eka Mulya Alamsyah**, Masaaki Yamada and Kinji Taki

### 13.00 – 14.00 Parallel Session II

Room 2 : *Wood Composites*

Moderator : Sinin Hamdan

1. Effect of Gambir Resin Concentrate on Properties of Sugarcane Baggase Particleboard - **Desyanti**, Anwar Kasim and Feldy Jumairi
2. Dimensional Stability of Particleboard Bonded with UF/Isocyanate Hybrid Resin - **Arif Nuryawan**, Iwan Risnasari and Pamona Silvia Sinaga
3. Binderless Particleboard Made from Sengon Wood (*Paraserianthes falcataria* L Nielsen) and Pine Wood (*Pinus merkusii* Jungh et. de. Vriese) Particles Activated using Hydrogen Peroxide - **Suhasman**, M Y Massijaya, Y S Hadi and A Santoso
4. Static Bending Strength of Meranti Merah (*Shorea* spp) LVL Bonded by PVAc - **Isna Yuniar Wardhani**

### 14.00 – 15.00 Parallel Session III

Room 2 : *Wood Composites*

Moderator : Yusuf Sudo Hadi

1. Effects of Solving Treatment of Extractive of Oily Keruing Wood on Several Characteristics of Laminated Wood - **Jamaludin Malik** and Adi Santoso
2. Effect of Fiber Charcoal Addition by Dry Process on Fiberboard Properties - **Saptadi Darmawan**, Gustan Pari and Adi Santoso
3. The Development of Oriented Strand Board from Betung Bamboo (*Dendrocalamus asper* (Schult.f.) Backer ex Heyne) - **Sahriyanti Saad**, Muh. Yusram Massijaya and Yusuf Sudo Hadi
4. Some Important Properties of Bamboo-wood Strandboard - **Ihak Sumardi**, Yoyo Suhaya and Tito Trio Putra

**15.30 – 16.30**      **Parallel Session IV**  
Room 2                : *Wood Composites*  
Moderator            : Nam-Hun Kim

1. Properties of Oriented Strand Board Made from Betung Bamboo (*Dendrocalamus asper* (Schultes.f) Backer ex Heyne) - **Fauzi Febrianto**, Sahroni, Wahyu Hidayat, Edi S. Bakar, Jin-Heon Kwon and Nam-Hun Kim
2. Effect of Pre-treatment Techniques on Physical, Mechanical and Durability Properties of Oriented Strand Board Made from Sentang Wood (*Melia excelsa* Jack) - Apri Heri Iswanto, **Fauzi Febrianto**, Imam Wahyudi, Jin-Heon Kwon and Nam-Hun Kim
3. Effect of Strand Combination on Dimensional Stability and Mechanical Properties of Oriented Strand Board Made from Tropical Fast Growing Tree Species - **Fauzi Febrianto**, Wahyu Hidayat, Tumpal Parulian Samosir, Handian Purwawangsa, Han Chien Lin and Hong Ding Soong
4. Termite Resistance of Oriented Strands Board (OSB) Made of Small Diameter Fast Growing Species - **Arif Nuryawan**, Bud Diman Gea, Muh.Yusram Massijaya and Yusuf Sudo Hadi

## Day Two – Meeting Room 2

**10.00 – 11.00**    **Parallel Session V**  
Room 2                : *Wood Composites*  
Moderator            : Subyakto

1. The Properties of Oil Palm Fronds Cement-Bonded Board - **Dede Hermawan**
2. A Study on the Production Method of Kenaf High Fiber Strength - **Wiwin Suwinarti**, Zhou Cheng, Susumu Nakahara, Ryo Sugawara and Kazuhiko Sameshima
3. Effects of Some Factors on Veneer Volume Recovery - **Benoni Kewilaa**
4. Future Markets of Indonesia's Wood Composite Products - **Bintang C.H. Simangunsong**

**11.00 – 12.00**    **Parallel Session VI**  
Room 2                : *Forestry Sciences*  
Moderator            : Dede Rohadi

1. Synchronous Growth Hypothesis (SGH) for Estimating the Maturation Age within Hardwood Stem: On the Basis of Radial Variations between Annual Diameter Growth Rate and Dimensions of Xylem Elements within the Stem - **Ikuo Furukawa** and Ryouta Tsuchiya
2. Growth Models of Teak Plantation in Different Management Regime in East Kalimantan - **Marjenah**
3. The Potential of Sungkai (*Peronema canescens*) in Climate Reconstruction - **Y. Watanabe**, S. Tamura, T. Nakatsuka, S. Mizuno, J. Sugiyama, T. Tagami and T. Tsuda

**13.00 – 14.00 Parallel Session VII**

Room 2 : *Forestry Sciences*

Moderator : Ikuo Furukawa

1. The Effect of Logging on Peat Land Conditions: A Case Study at a Peat Swamp Forest Company in Riau - **Sona Suhartana** and Yuniawati
2. Improving Economic Outcomes for Smallholder Growing Teak in Agro-forestry System in Indonesia - **Dede Rohadi and Philip Manalu**

## Day One – Ball Room

**11.00 – 12.00**

### Parallel Session I

Ball Room : *Wood Entomology and Preservation*

Moderator : Sulaeman Yusuf

1. Distribution and Identification Subterranean Termites of *Macrotermes gilvus* Hagen in Dungus Iwul Sanctuary, Bogor, Indonesia - **Niken Subekti**
2. Identification of Wood Destroying Beetles Attacking Log and Timber - **Ira Taskirawati**, Astuti Arif and Ayu Astrianingsih R.
3. Morphometric Analysis of *Coptotermes* sp Population from Two Different Nets - Astuti Arif, **Ira Taskirawati** and Affandi
4. Control of Dry-wood Termite Infestation by Bait System - **Yuliati Indrayani**

**13.00 – 14.00**

### Parallel Session II

Ball Room : *Wood Entomology and Preservation*

Moderator : Musrizal Muin

1. Exploration of White-rot Fungi Pleurotus Group from Bogor - **Elis Nina Herliyana**, Dodi Nandika, Achmad, Lisdar I. Sudirman and Arief B. Witarto
2. Growth Inhibition of *Staphylococcus aureus* and *Escherichia coli* by Secretions derived from Soldier Defensive of Subterranean Termites *Coptotermes curvignathus* Holmgren - **Farah Diba**
3. Molecular Identification of Decay Fungi in Xylem of Yellow Meranti (*Shorea gibbosa*) Canker - **Erwin**, Shuhei Takemoto and Yuji Imamura
4. Screening and Characterization of Cellulase Enzyme Producers from Indonesian Actinomycetes - **Shanti Ratnakomala**, Fahrurrozi, and Puspita Lisdiyanti

**14.00 – 15.00**

### Parallel Session III

Ball Room : *Wood Entomology and Preservation*

Moderator : Yuliati Indrayani

1. Molecular Identification of Actinomycetes Isolated from Termite Mound - **Puspita Lisdiyanti**, Kiki Bayu Wardani, Fahrurrozi, and Shanti Ratnakomala
2. Screening and Characterization of Actinomycetes Degrading Hemicellulose - **Fahrurrozi**, Shanti Ratnakomala and Puspita Lisdiyanti
3. Components and Antifungal Efficiency of Wood Vinegar from Wood Wastes and Oil Palm Empty Fruit Bunch - **Hasan Ashari Oramahi**, Farah Diba and Wahdina
4. Antitermitic Activity of Wood Vinegar and Its Components - Farah Diba, Hasan Ashari Oramahi and **Wahdina**

**15.30 – 16.30**      **Parallel Session IV**  
Ball Room            : *Wood Entomology and Preservation*  
Moderator            : Farah Diba

1. Antifungal Activity of Laban (*Vitex pubescens* Vahl) - **Enih Rosamah**, Irawan Wijaya Kusuma and Deny Kurniawan
2. Evaluation of Bistrifluron as an Above-ground Bait against Subterranean Termite *Coptotermes gestroi* (Wassman) in Indonesia - **Sulaeman Yusuf**, Indrosancoyo Adiwirawan, Say Piau Lim and Khoirul Himmi Setiawan
3. The Efficacy of CC-Organic Chemicals for Wood Packaging Protection against Powder Post Beetle *Heterobostrychus aequalis* - **Khoirul Himmi Setiawan**, Didi Tarmadi, Maya Ismayati and Sulaeman Yusuf
4. Termicidal Activities of *Abrus Precatorius* L. Leaves Extract against Subterranean Termite *Coptotermes gestroi* - **Khoirul Himmi Setiawan**, Maya Ismayati, Didi Tarmadi and Sulaeman Yusuf

### Day Two – Ball Room

**10.00 – 11.00**      **Parallel Session V**  
Ball Room            : *Wood Entomology and Preservation*  
Moderator            : Puspita Lisdiyanti

1. The Effication of *Areca catechu* L Kernel Extract against Subterranean Termite, *Coptotermes gestroi* - **Didi Tarmadi**, Khoirul Himmi Setiawan, Maya Ismayati and Sulaeman Yusuf
2. Effect of Pinang (*Areca cathecu*) Seed and Saga (*Abrus precatorius*) Leaf Extract against Wood Decay Fungi - **Anis Sri Lestari**, Titik Kartika, Deni Zulfiana and Maya Ismayati
3. Effectiveness of Some Tropical Plant Extract against Subterranean Termite (*Coptotermes curvignathus*) - **Arief Heru Prianto** and Sulaeman Yusuf
4. Exploration of Extract of Pinus (*Pinus merkusii*) and Ki Hiyang (*Albizzia procerra* Benth) Barks as Natural Preservatives - **Noor Rahmawati**, Mulyaningrum, Alfi Rumidatul and Sri hartati

**11.00 – 12.00**      **Parallel Session VI**  
Ball Room            : *Wood Entomology and Preservation*  
Moderator            : Enih Rosamah

1. Effect of Soursop Seed Oil Extract (*Anona muricata* L) on Dry Wood Termite *Cryptotermes cynocephalus* Light Mortality and Attack Degree - **Agus Ismanto**, Sri Yuningsih and Neo Endra Lelana
2. The Utilization of *Lantana camara* Extract as a Natural Wood Preservative - **S. Budi Husodo**, Mulyana Arifudin dan Renny Purnawati
3. The Preservative Treatment of 25 Local Specific Wood Species of Java against Marine Borers - **Mohammad Muslich** and Ginuk Sumarni

**13.00 – 14.00 Parallel Session VII**

Ball Room : *Wood Biotechnology*

Moderator : Euis Hermiati

1. Characterization of Xylanase over Expression Transgenic Poplar - Yong Woo Park, **Kei'ichi Baba**, Yuzo Furuta, Keisuke Kojiro, Masato Yoshida and Takahisa Hayashi
2. Wood Characteristic of Superior Sengon (*Paraserianthes falcataria*) Collection and Prospect of Wood Properties Improvement through Genetic Engineering - **N. Sri Hartati**, Enny Sudarmonowati, Widya Tatriasari, Euis Hermiati, Wahyu Dwianto, Rumi Kaida, Kei'ichi Baba and Takahisa Hayashi
3. Micropropagation and Protoplast Culture in *Paraserianthes falcataria* - Miyuki Chujo, Shinso Yokota, **Futoshi Ishiguri**, Kazuya Iizuka, Dody Priadi, Nurul Sumiasri and Nobuo Yoshizawa
4. Regeneration and Genetic Transformation of *Acacia* spp. - Md. Mahabubur Rahman, Shiro Suzuki, Takefumi Hattori, Masahiro Mii and **Toshiaki Umezawa**

## Day One – Room 3

### 11.00 – 12.00 Parallel Session I

Room 3 : Wood Chemistry

Moderator : Wasrin Syafii

1. Chemical Content **Analysis** of Kecapi Wood (*Sandoricum koetjape* (Burm.f.) Merr.) - **Syahidah**, Astuti Arif and Mardiana Hamid
2. Acid-soluble Lignin and Its Relation to Aromatic Ring Type in Hardwood Lignin - **Deded S. Nawawi**, Wasrin Syafii, Iori Tomoda, Yosuke Uchida, Tomoya Yokoyama and Yuji Matsumoto
3. Biological Activity and Phytochemical Analysis of Wood Extracts of Indonesian Toona Species - **Rita Kartika Sari**, Wasrin Syafii, Suminar Achmadi and Muhammad Hanafi
4. Alpha Glucosidase Inhibitory Activity and Isolation of the Compound from *Shorea balanocarpoides* Symington Stem Bark Extractive - **Gunawan Pasaribu**, Wasrin Syafii and Latifah K. Darusman

### 13.00 – 14.00 Parallel Session II

Room 3 : Wood Chemistry

Moderator : Myrtha Karina

1. In vitro inhibitory effects of selected plants extracts on growth and glucosyltransferase activity of *Streptococcus sobrinus*: preliminary screening studies - **Harlinda Kuspradini**, Irmanida Batubara and Tohru Mitsunaga
2. Anti-acne and Tyrosinase Inhibition Properties of Taxifolin and Some Flavanonol Rhamnosides from Kempas (*Koompassia malaccensis*) - **Irmanida Batubara**, Harlinda Kuspradini, Tohru Mitsunaga
3. **Effect of *Eurycoma longifolia* Jack on Growth and Testosterone Level in Male Chicken** - **Dimas Andrianto**, **Maria Bintang**, **Eman Kustaman**, Takeshi Katayama and Toshisada Suzuki
4. Hypouricemic Effect of *Swietenia macrophylla* Bark Extracts on Serum Uric Acid Levels in Hyperuricemic Rats - **Syamsul Falah**, Sulistiyani, Mega Safithri, Dimas Ardianto, Takeshi Katayama and Toshisada Suzuki

### 14.00 – 15.00 Parallel Session III

Room 3 : Wood Chemistry

Moderator : Deded S. Nawawi

1. Potency of Mahogany (*Swietenia macrophylla*) Bark Extracts as an Antihyperglycemic in Alloxan-induced Diabetic Rats Strain *Sprague Dawley* - **Mega Safithri**, Syamsul Falah, Takeshi Katayama and Toshisada Suzuki
2. Potency of Infusarium Gabus Wood or Pule (*Alstonia scholaris*, R. Br.) Bark as Anti Hypercholesterolemia - **Roswiem A. P.**
3. Bioactivities of Rambai Sungai (*Sonneratia caseolaris*) from East Kalimantan - **Edi Sukaton**, Enos Tangke Arung, Risa Maulidah and Irawan Wijaya Kusuma
4. Antidermatophyte Active Naphthoquinone from *Eleutherine Americana* - **Irawan Wijaya Kusuma**, Joko Susilo and Enos Tangke Arung

**15.30 – 16.30**      **Parallel Session IV**  
Room 3                : *Non Wood Forest Products*  
Moderator            : Rudianto Amirta

1. Precise Structure of Acidic Polysaccharide Present in *Salvia Hyrogels* - Rike Yudianti, **Myrtha Karina**, Masahiro Sakamoto and Jun-ichi Azuma
2. Processing Modification of Gambir in Kampar Districts Area- **Evi Sribudiani** and Ahyar Ali
3. Jomo (*Arthocarpus* sp.) Bark as Raw Material for Traditional Crafting in East Kalimantan - **Agus Sulistyo Budi**
4. Raw Material Inventory System in a Rattan Small Scale Industry - **Makkarennu**, Musrizal Muin and Alnores Desembri

### Day Two – Room 3

**10.00 – 11.00**    **Parallel Session V**  
Room 3                : *Pulp and Paper*  
Moderator            : Nyoman J. Wistara

1. The Possibility of Seaweed Wastes Usage as Raw Material of Papermaking - **Wawan Kartiwa Haroen** and Taufan Hidayat
2. Properties of Fluff Pulp from Kenaf (*Hibiscus Cannabinus* L.) - **Wawan Kartiwa Haroen**, Posma R. Panggabean and Nyoman Wistara
3. Effect of Indonesian *Pinus merkusii* Maleo-pimaric Rosin Sizes on Paper Qualities - **Bambang Wiyono** and Sanro Tachibana
4. Biopulping of Betung Bamboo using White Rot Fungi (*Pleurotus ostreatus* and *Trametes versicolor*) with Kraft and Soda Processes - **Widya Fatriasari**, Riksfardini Annisa Ermawar, Faizatul Falah, Dede Heri Yuli Yanto, Deddy Triyono Nugroho Adi, Sita Heris Anita and Euis Hermiati
5. Utilization of Monocotyl Fiber From Bamboo Legi (*Gigantochloa atter*) as Pulp Raw Material using Mechano-Organosolv Process - **Sri Nugroho Marsoem**, Vendy Eko Prasetyo, Wahidan Bunnaya Rachman and Danang Sudarwoko Adi

**11.00 – 12.00**    **Parallel Session VI**  
Room 3                : *Wood Biomass Energy*  
Moderator            : Wawan Kartiwa Haroen

1. Pyrolytic Characters of the Primary Sludge of Pulp Mill - **Nyoman Wistara**, Noviyanti Silaen and Gustan Pari
2. Simultaneous Saccharification and Fermentation of Oil Palm Empty Fruit Bunch Fiber Kraft Pulp to Produce Ethanol - **Yanni Sudiyani**, Irni Fitria, Wawan Kartiwa Haroen, Euis Hermiati and Wahyu Dwianto
3. The Utilization of Sawdust as an Alternative Energy - **Renny Purnawati**, Muliyana Arifudin and Susilo Budi Husodo
4. The Influence of Oven Temperature and Time Periods on the Yield of *Sterculia foetida* Seed Oil Production using Hydraulic Pressing Method - **Ira Taskirawati**, Djamel Sanusi and John Patulak

**13.00 – 14.00 Parallel Session VII**

Room 3 : *Wood Biomass Energy*

Moderator : Ira Taskirawati

1. Optimization Production of Biopellets From Seed of Picung (*Pangium edule* Reinw) with Addition of Solar and Tapioca Glue - **Akhyar Ali** and Fajar Restuhadi
2. Cultivation of *Pleurotus ostreatus* on Various Lignocellulosic Waste Biomass - **Elisa Herawati** and Rudianto Amirta
3. Potential Utilization of Woody Waste Biomass for Edible Mushroom and Biogas Production - **Rudianto Amirta**, Nina Puspasari Heriyanti, Wiwin Suwinarti, Yuliansyah and Elisa Herawati

**Presentation Information:** Accepted presentations will be allocated 15 minutes presentation time, which include 3 minutes for questions and answers to be held at the conclusion of each presentation.