

# Wahyu Hidayat

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5274535/publications.pdf>

Version: 2024-02-01

49  
papers

414  
citations

840776

11  
h-index

839539

18  
g-index

49  
all docs

49  
docs citations

49  
times ranked

227  
citing authors

#	ARTICLE	IF	CITATIONS
1	Properties of oriented strand board made from Betung bamboo ( <i>Dendrocalamus asper</i> (Schultes.f)) Tj ETQq1 1 0.784314 rgBT /Overlo	3.2	51
2	Physical and Chemical Properties of Kapok ( <i>Ceiba pentandra</i> ) and Balsa ( <i>Ochroma pyramidale</i> ) Fibers. <i>Journal of the Korean Wood Science and Technology</i> , 2018, 46, 393-401.	3.0	35
3	Changes in chemical components of steam-treated betung bamboo strands and their effects on the physical and mechanical properties of bamboo-oriented strand boards. <i>European Journal of Wood and Wood Products</i> , 2019, 77, 731-739.	2.9	28
4	Effect of Bamboo Species and Resin Content on Properties of Oriented Strand Board Prepared from Steam-treated Bamboo Strands. <i>BioResources</i> , 2015, 10, .	1.0	24
5	Valorization of Indonesian Wood Wastes through Pyrolysis: A Review. <i>Energies</i> , 2021, 14, 1407.	3.1	23
6	Effects of Steam Treatment on Physical and Mechanical Properties of Bamboo Oriented Strand Board. <i>Journal of the Korean Wood Science and Technology</i> , 2017, 45, 872-882.	3.0	22
7	Anatomical and Physical Properties of Indonesian Bamboos Carbonized at Different Temperatures. <i>Journal of the Korean Wood Science and Technology</i> , 2018, 46, 656-669.	3.0	22
8	Effect of Phenol Formaldehyde Impregnation on The Physical and Mechanical Properties of Soft-Inner Part of Oil Palm Trunk. <i>Journal of the Korean Wood Science and Technology</i> , 2016, 44, 842-851.	3.0	19
9	Color Change and Consumer Preferences towards Color of Heat-Treated Korean White Pine and Royal Paulownia Woods. <i>Journal of the Korean Wood Science and Technology</i> , 2017, 45, 213-222.	3.0	18
10	Carbonization of reaction wood from Paulownia tomentosa and Pinus densiflora branch woods. <i>Wood Science and Technology</i> , 2016, 50, 973-987.	3.2	16
11	Quality Improvement of Oil Palm Trunk Properties by Close System Compression Method. <i>Journal of the Korean Wood Science and Technology</i> , 2016, 44, 172-183.	3.0	14
12	Destructive and Non-destructive Tests of Bamboo Oriented Strand Board under Various Shelling Ratios and Resin Contents. <i>Journal of the Korean Wood Science and Technology</i> , 2019, 47, 519-532.	3.0	11
13	Effect of Alkali-Washing at Different Concentration on the Chemical Compositions of the Steam Treated Bamboo Strands. <i>Journal of the Korean Wood Science and Technology</i> , 2021, 49, 14-22.	3.0	10
14	Solid Bioenergy Properties of Paulownia tomentosa Grown in Korea. <i>Journal of the Korean Wood Science and Technology</i> , 2016, 44, 890-896.	3.0	9
15	Carbonization Characteristics of Juvenile Woods from Some Tropical Trees Planted in Indonesia. <i>Journal of the Faculty of Agriculture, Kyushu University</i> , 2017, 62, 145-152.	0.2	8
16	Termite Resistance of The Less Known Tropical Woods Species Grown in West Java, Indonesia. <i>Journal of the Korean Wood Science and Technology</i> , 2015, 43, 248-257.	3.0	7
17	Effect of Temperature and Clamping during Heat Treatment on Physical and Mechanical Properties of Okan ( <i>Cylicodiscus gabunensis</i> [Taub.] Harms) Wood. <i>BioResources</i> , 2015, 10, .	1.0	6
18	CHARACTERISTIC FEATURES OF THE OIL-HEAT TREATED WOODS FROM TROPICAL FAST GROWING WOOD SPECIES. <i>Wood Research</i> , 2021, 66, 365-378.	0.6	6

#	ARTICLE	IF	CITATIONS
19	The Removal of Cured Urea-Formaldehyde Adhesive towards Sustainable Medium Density Fiberboard Production: A Review. <i>Jurnal Sylva Lestari</i> , 2021, 9, 23.	0.5	6
20	Effect of Treatment Duration and Clamping on the Properties of Heat-Treated Okan Wood. <i>BioResources</i> , 2016, 11, .	1.0	6
21	Color Change of Major Wood Species Planted in Indonesia by Ultraviolet Radiation. <i>Journal of the Korean Wood Science and Technology</i> , 2016, 44, 9-18.	3.0	6
22	Properties of dual-species bamboo-oriented strand boards bonded with phenol formaldehyde adhesive under various compression ratios. <i>BioResources</i> , 2021, 16, 5422-5435.	1.0	5
23	Comparison of the color and weight change in <i>Paulownia tomentosa</i> and <i>Pinus koraiensis</i> wood heat-treated in hot oil and hot air. <i>BioResources</i> , 2021, 16, 5574-5585.	1.0	5
24	Anatomical Characteristics of <i>Paulownia tomentosa</i> Root Wood. <i>Journal of the Korean Wood Science and Technology</i> , 2016, 44, 157-165.	3.0	5
25	Characteristics of White Charcoal Produced from the Charcoal Kiln for Thermotherapy. <i>Journal of the Korean Wood Science and Technology</i> , 2018, 46, 527-540.	3.0	5
26	Short Communication: Estimation of the above- and below-ground carbon stocks in University of Lampung, Indonesia. <i>Biodiversitas</i> , 2019, 20, 676-681.	0.6	4
27	Properties of oriented strand board from alkali-washed bamboo strands after steam treatment. <i>BioResources</i> , 2020, 16, 987-996.	1.0	4
28	Characterization of cellulose nanocrystal with cellulose II polymorph from primary sludge and its application to PVA nanocomposites. <i>Wood Science and Technology</i> , 2018, 52, 555-565.	3.2	3
29	Torrification to improve biomass pellet made of oil palm empty fruit bunch. <i>IOP Conference Series: Earth and Environmental Science</i> , 2021, 749, 012047.	0.3	3
30	Effect of mechanical restraint on drying defects reduction in heat-treated okan wood. <i>BioResources</i> , 2017, 12, 7452-7465.	1.0	3
31	Combustion Properties of Major Wood Species Planted in Indonesia. <i>Journal of the Korean Wood Science and Technology</i> , 2015, 43, 768-776.	3.0	3
32	Meranti ( <i>Shorea</i> sp.) Biochar Application Method on the Growth of Sengon ( <i>Falcataria moluccana</i> ) as a Solution of Phosphorus Crisis. <i>Energies</i> , 2022, 15, 2110.	3.1	3
33	Variation of anatomical characteristics within the culm of the three <i>Gigantochloa</i> species from Indonesia. <i>BioResources</i> , 2021, 16, 3596-3606.	1.0	2
34	Comparison of anatomical features in the three <i>Syzygium</i> species. <i>BioResources</i> , 2021, 16, 3631-3642.	1.0	2
35	Using two dosages of biochar from shorea to improve the growth of <i>Paraserianthes falcataria</i> seedlings. <i>IOP Conference Series: Earth and Environmental Science</i> , 2021, 749, 012049.	0.3	2
36	Pengaruh Torefaksi terhadap Sifat Kimia Pelet Tandan Kosong Kelapa Sawit. <i>Jurnal Teknik Pertanian Lampung (Journal of Agricultural Engineering)</i> , 2020, 9, 63.	0.1	2

#	ARTICLE	IF	CITATIONS
37	Pengaruh Kadar Perekat Terhadap Karakteristik Briket Arang Limbah Kayu Karet ( <i>Hevea brasiliensis</i> ) Tj ETQq1 1 0.784314 rgBJ /Overlo	0.1	2
38	PERUBAHAN SIFAT FISIS PELET TANDAN KOSONG KELAPA SAWIT HASIL TOREFAKSI. Jurnal Teknik Pertanian Lampung (Journal of Agricultural Engineering), 2020, 9, 104.	0.1	2
39	Peningkatan Kualitas Pelet Tandan Kosong Kelapa Sawit melalui Torefaksi Menggunakan Reaktor Counter-Flow Multi Baffle (COMB). Jurnal Rekayasa Proses, 2020, 14, 169.	0.2	2
40	Effects of Hydrolysis on the Removal of Cured Urea-Formaldehyde Adhesive in Waste Medium-Density Fiberboard. Jurnal Sylva Lestari, 2020, 8, 1.	0.5	2
41	Effects of Strands Pre-treatment and Adhesive Type on the Properties of Oriented Strand Board Made from Gmelina ( <i>Gmelina arborea</i> ) Wood. Jurnal Sylva Lestari, 2021, 9, 475-487.	0.5	2
42	Effects of Resin Content on the Characteristics of Bamboo Oriented Strand Board Prepared from Strands of Betung, Ampel, and Their Mixtures. Jurnal Sylva Lestari, 2021, 9, 454-465.	0.5	2
43	Effects of Heat Treatment on the Color Change and Dimensional Stability of <i>Gmelina arborea</i> and <i>Melia azedarach</i> Woods. E3S Web of Conferences, 2018, 68, 03010.	0.5	1
44	Raw material of Besemah traditional house construction in Indonesia. Folia Forestalia Polonica, Series A, 2021, 63, 74-80.	0.3	1
45	Characteristics of biochar produced from the harvesting wastes of meranti ( <i>Shorea sp.</i> ) and oil palm ( <i>Elaeis guineensis</i> ) empty fruit bunches. IOP Conference Series: Earth and Environmental Science, 2021, 749, 012040.	0.3	1
46	Interaksi Perlakuan Dosis Dan Suhu Pirolisis Pembuatan Biochar Kayu Meranti ( <i>Shorea spp.</i> ) Mempengaruhi Kecepatan Tumbuh Sengon ( <i>Paraserianthes moluccana</i> ). ULIN Jurnal Hutan Tropis, 2021, 5, 78.	0.1	1
47	Effect of impregnation methods and bioresin concentration on physical and mechanical properties of soft-inner part of oil palm trunk. Journal of Physics: Conference Series, 2019, 1282, 012078.	0.4	0
48	Effects of Torefaction with Counter-Flow Multi Baffle (COMB) Reactor and Electric Furnace on the Properties of Jabon ( <i>Anthocephalus cadamba</i> ) Pellets. Jurnal Sylva Lestari, 2020, 8, 65.	0.5	0
49	Effects of Torrefaction Temperature on the Characteristics of Betung ( <i>Dendrocalamus asper</i> ) Bamboo Pellets. Jurnal Teknik Pertanian Lampung (Journal of Agricultural Engineering), 2022, 11, 339.	0.1	0