

# Effendi Tri Bahtiar

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

20  
papers

158  
citations

9  
h-index

12  
g-index

24  
ext. papers

220  
ext. citations

2  
avg, IF

3.01  
L-index

#	Paper	IF	Citations
20	Structural grading of Gigantochloa apus bamboo based on its flexural properties. <i>Construction and Building Materials</i> , <b>2017</b> , 157, 1173-1189	6.7	22
19	Vascular Bundle Distribution Effect on Density and Mechanical Properties of Oil Palm Trunk. <i>Asian Journal of Plant Sciences</i> , <b>2013</b> , 12, 208-213	0.6	19
18	The quality of 8 and 10 years old samama wood ( <i>Anthocephalus macrophyllus</i> ). <i>Journal of the Indian Academy of Wood Science</i> , <b>2015</b> , 12, 22-28	0.8	16
17	Structural grading of three sympodial bamboo culms (Hitam, Andong, and Tali) subjected to axial compressive load. <i>Engineering Structures</i> , <b>2019</b> , 181, 233-245	4.7	15
16	Mechanical stress grading of tropical timbers without regard to species. <i>Journal of Wood Science</i> , <b>2005</b> , 51, 339-347	2.4	10
15	Analysis on Wood Quality, Geometry Factor, and Their Effects on Lathe Check of Samama ( <i>Anthocephalus macrophyllus</i> ) Veneer. <i>Journal of the Korean Wood Science and Technology</i> , <b>2016</b> , 44, 828-841	2	10
14	Termite Diversity in Urban Landscape, South Jakarta, Indonesia. <i>Insects</i> , <b>2016</b> , 7,	2.8	10
13	Compression resistance of short members as the basis for structural grading of <i>Guadua angustifolia</i> . <i>Construction and Building Materials</i> , <b>2020</b> , 249, 118759	6.7	9
12	<i>Coptotermes curvignathus</i> Holmgren (Isoptera: Rhinotermitidae) Capability to Maintain the Temperature Inside its Nests. <i>Journal of Entomology</i> , <b>2016</b> , 13, 199-202	0.3	9
11	Eccentricity Effect on Bamboo Flexural Properties. <i>Journal of Biological Sciences</i> , <b>2013</b> , 13, 82-87	0.4	8
10	Experimental study on buckling resistance of <i>Guadua angustifolia</i> bamboo column. <i>Engineering Structures</i> , <b>2021</b> , 228, 111548	4.7	8
9	Development of composite beams made from tali ( <i>Gigantochloa apus</i> ) and hitam bamboo ( <i>Gigantochloa atroviolacea</i> ). <i>Journal of the Indian Academy of Wood Science</i> , <b>2014</b> , 11, 156-161	0.8	4
8	Human Comfort Period Outside and Inside Bamboo Stands. <i>Journal of Environmental Science and Technology</i> , <b>2014</b> , 7, 245-265	0.6	4
7	Daily Cycle of Air Temperature and Relative Humidity Effect to Creep Deflection of Wood Component of Low-cost House in Cibeureum-Bogor, West Java, Indonesia. <i>Asian Journal of Scientific Research</i> , <b>2014</b> , 7, 501-512	0.3	3
6	Rasio Ikatan Pembuluh sebagai Substitusi Rasio Modulus Elastisitas pada Analisa Layer System pada Bilah Bambu dan Bambu Laminasi. <i>Jurnal Teknik Sipil</i> , <b>2016</b> , 21, 147	1	3
5	Wood Deterioration of Cooling Tower Structure at Geothermal Power Plant. <i>Asian Journal of Applied Sciences</i> , <b>2017</b> , 10, 79-87	0.4	2
4	Exponential Curve Modification by Linear and Nonlinear Function to Fit the Fiber Length of Teakwood ( <i>Tectona grandis</i> ). <i>Journal of Biological Sciences</i> , <b>2014</b> , 14, 183-194	0.4	2

3	Estimation the remaining service-lifetime of wooden structure of geothermal cooling tower. <i>Case Studies in Construction Materials</i> , <b>2017</b> , 6, 91-102	2.7	1
2	Buckling formulas for designing a column with <i>Gigantochloa apus</i> . <i>Case Studies in Construction Materials</i> , <b>2021</b> , 14, e00516	2.7	1
1	Triangle bracing system to reduce the vibration level of cooling tower [Case study in PT Star Energy Geothermal (Wayang Windu) Ltd Indonesia. <i>Case Studies in Construction Materials</i> , <b>2018</b> , 8, 248-257	2.7	0