BUAN ANSHARI

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* EDUCATION

2008 - 2013
DOCTOR PROGRAM
Engineering
at University of Liverpool, UK

2000 - 2001
MASTER PROGRAM
Structural Engineering
at University of Liverpool, UK

1991 - 1997
BACHELOR PROGRAM
Civil Engineering
at Universitas Mataram

* EXPERIENCE

Publication

2019
Effects of alkali treatment of bamboo fibre under various conditions on the tensile and flexural properties of bamboo fibre/polystyrene-modified unsaturated polyester composites, Journal of Engineering Science and Technology, Vol.4(1), Maret 2019
Buku Panduan Bangunan Rumah Tahan (Manual Book to Build Earthquake Resistance School Buildings), UPT Unram Press, 2019

2018
Effect of alkali treatment on the flexural strength of bamboo fibers reinforced styrofoam-modified polyester resin, AIP Conference Proceedings, Vol 1983(1), Juli 2018.

2017
FE Modelling of Optimization on Strengthening Glulam Timber Beams by using Compressed Wood Blocks, Procedia Engineering, Vol.171(2017), Pages 857-864
Modelling of Glulam beams pre-stressed by compressed wood, Composite Structures, Vol.165 (2017), pp. 160-170

2016
Experimental Study on Mechanical Behaviour of Cross Laminated Timber (CLT)., Spektrum Teknik Sipil, Vol.3(2) 2016, pp.111-120
Analysis of using Dowel Fastener as Replacement of Adhesive on Cross Laminated Timber (CLT)., Spektrum Teknik Sipil, Vol.3(2) 2016, pp.133-143

2015
Evaluation of High Grade Recycled Coarse Aggregate Concrete Quality Using Non-Destructive Testing Technique, Applied Mechanics & Materials, 2015; Vol. 776, p53-58.
Analytical approach to predict pre-camber deflection of the Pre-Stressed Glulam Beams, Civil Engineering Dimension, Vol. 17(1), March 2015, pp.44-49

2014
Numerical Modelling of the Initial Stress and Upward Deflection of Glulam Beams Pre-Stressed by Compressed Wood. Applied Mechanics and Materials, 2014. Vol. 493, pp. 408-413

2012
Structural behaviour of glued laminated timber beams pre-stressed by compressed wood, Construction and Building Materials, Vol.29, April 2012, pp.24-32.

2011
Mechanical and moisture-dependent swelling properties of compressed Japanese cedar, Construction and Building Materials, Vol.25(4), April 2011, pp.1718-1725
Experimental Study on Structural Behaviour of Glulam Beams Pre-stressed by Compressed Wood, Wood Research Journal, Vol 2, No 1 (2011), pp.54-61

Scientific Conference Proceedings

2017
Experimental on the Strength of Double Shear Timber Connection Using Glued in Rods (Bamboo), the 6th Southeast Asia Network Forum (SNAF) and 2017's HAKU, 6th March 2017, Malang, Jawa Timur
Experimental study on flexural behaviour of glulam beam with finger joint by variations in wood species and finger joint slope, 2nd International Conference on Science and Technology, ICST 2017, 23-25th August 2017 Mataram University, Mataram, Nusa Tenggara Barat
The Experimental Study on the Strength of Double Shear Timber Connection Using Bamboo Dowel Fastener, the 3rd International Conference on Construction and Building Engineering (ICONBUILD 2017), 14-17th August , Palembang, South Sumatera

Publication

2016

Effects of slope variation of finger joint on the flexural properties of glued laminated timber beam, the 8th International Symposium of Indonesia Wood Research Society (IWoRS) 2016, 21st November 2016, Ambon, Maluku

Experimental investigation on flexural properties of glulam timber beam reinforced by bamboo strips, 1st International Conference on Science and Technology, ICST 2016, 1st - 2nd December 2016 Mataram University, Mataram, Nusa Tenggara Barat.

2015

Parametric study on structural glulam beam reinforced bycompressed wood blocks, The 18th Kyoto University Southeast Asia Forum, 7th Maret 2015, Banda Aceh, NAD, Indonesia

2014

Analytical approach to predict pre-camber deflection of the Pre-Stressed Glulam Beams, The 15th Kyoto University Southeast Asia Forum, 18 January 2014, Mataram, Indonesia

2013

Numerical Modelling of the Initial Stress and upward deflection of Glulam Beams Pre-stressed by Compressed Wood, The 1st International Conference on Mechanical Engineering(ICOME), 12-14 September 2013, Mataram, NTB, Indonesia.

2010

Mechanical properties of compressed wood with various compression ratios , the 2nd International Symposium of Indonesian Wood of Research Society(IWoRS), 12-13 November 2010, Bali, Indonesia

Finite element modeling of the pre-camber of glulam beams reinforced by compressed wood, the 11th World Conference on Timber Engineering (WCTE), 20-24 June 2010, Trentino, Italy

Explore novel ways to strengthen glualm beams by using compressed Japanese cedar. The 11th World Conference on Timber Engineering (WCTE) 20-24 June 2010,Trentino, Italy