



Experimental Study on the Effectiveness of Finger Joint with Variations in Wood Species Toward Bending Strength of Glulam Beams

<https://research.thinkwood.com/en/permalink/catalogue2457>

Author: Anshari, Buan
Rofaida, Aryani
Mahmud, Fathmah
Pathurahman
Rahmalia, R.

Publisher: IOP Publishing Ltd

Year of Publication: 2019

Country of Publication: United Kingdom

Format: Journal Article

Material: Glulam (Glue-Laminated Timber)

Application: Beams

Topic: Connections
Mechanical Properties

Keywords: Finger Joints
Flexural Properties
Rajumas
Sengon

Language: English

Research Status: Complete

Series: IOP Conference Series: Earth and Environmental Science

Online Access: Free

Resource Link

<https://doi.org/10.1088/1755-1315/361/1/012038>



Performance of Glue-Laminated Beams from Malaysian Dark Red Meranti Timber

<https://research.thinkwood.com/en/permalink/catalogue1822>

Author: Ong, Chee Beng
Organization: University of Bath
Year of Publication: 2018
Country of Publication: United Kingdom
Format: Thesis
Material: Glulam (Glue-Laminated Timber)
Application: Beams
Topic: Mechanical Properties
Keywords: Malaysian Dark Red Meranti (DRM)
Production
Phenol-Resorcinol Formaldehyde
Fabrication
Bonding Performance
Carbon Fiber Reinforced Polymer
Tension Face
Unreinforced
Fire Test
Failure
Finger Joints
Softwood
Europe
Density
End Pressure
Cramping Pressure
Strength
Charring Rate
Fire Performance
Polyurethane
Bending Strength
Language: English
Research Status: Complete
Online Access: Free

Resource Link

<https://ethos.bl.uk/OrderDetails.do?uin=uk.bl.ethos.760973>



Influence of Distribution of Finger Joints and Timber Flaws on the Damage Evolution of Laminated Glued Timber Beams during Four Point Bending

<https://research.thinkwood.com/en/permalink/catalogue1584>

Author: Melzerová, Lenka
Šejnoha, Michal

Year of Publication: 2016

Country of Publication: Austria

Format: Conference Paper

Material: Glulam (Glue-Laminated Timber)

Application: Beams

Topic: Mechanical Properties

Keywords: Four Point Bending Test
Displacement
Strain
Knots
Finger Joints
Damage

Language: English

Conference: World Conference on Timber Engineering

Research Status: Complete

Notes: August 22-25, 2016, Vienna, Austria
p. 1830-1837

Summary:

A group of six glued laminated timber beams was tested in four-point bending until failure. Both standard measuring devices mounted to the beams and digital cameras were employed to provide for a continuous measuring of displacements and strains as well as visualization of damage evolution and subsequently for quantification...

Online Access: Free

Resource Link

<http://hdl.handle.net/20.500.12708/172> [↗](#)



Finger-jointed Frame Corners and Tapered Beams of Cross-Laminated Timber

<https://research.thinkwood.com/en/permalink/catalogue931>

Author: Blaß, Hans Joachim
Flaig, Marcus

Organization: Karlsruher Institut für Technologie

Year of Publication: 2015

Country of Publication: Germany

Format: Report

Material: CLT (Cross-Laminated Timber)

Topic: Connections
Design and Systems


Keywords: Finger Joints
double pitched beams

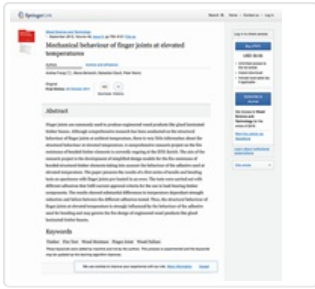
Language: German

Research Status: Complete

Online Access: Free

Resource Link

<http://dx.doi.org/10.5445/KSP/1000047039> 



Mechanical Behaviour of Finger Joints at Elevated Temperatures

<https://research.thinkwood.com/en/permalink/catalogue612>

Author: Frangi, Andrea
Bertocchi, Marco
Clauß, Sebastian
Niemz, Peter

Publisher: Springer-Verlag

Year of Publication: 2012

Country of Publication: Germany

Format: Journal Article

Material: Glulam (Glue-Laminated Timber)

Topic: Fire
Mechanical Properties

Keywords: Fire Resistance
Tensile tests
Bending Tests
Finger Joints

Language: English

Research Status: Complete

Series: Wood Science and Technology

ISSN: 1432-5225

Online Access: Free

Resource Link

http://doc.rero.ch/record/310472/files/226_2011_Article_444.pdf