

DAFTAR PUSTAKA
www.itk.ac.id

- Al Ichlas Imran, Kadir, (2007), “Simulasi Tegangan Von Mises Dan Analisa Safety Factor Gantry Crane Kapasitas 3 Ton”, *Dinamika Jurnal ilmiah teknik mesin Universitas halu oleo, Kendari* ISSN: 2085-8817 Vol. 8, No. 2.
- Al-Ketan, Oraib, Rashid K. Abu Al-Rub, and Reza Rowshan. (2016), “Mechanical Properties of a New Type of Architected Interpenetrating Phase Composite Materials”. Abu Dhabi 129188, UAE. DOI: 10.1002/admt.201600235 WILEY-VCH Verlag GmbH & Co. KGaA, Weinheim
- Ashby, M. (2005), *The properties of foams and lattices*, Philosophical Transactions of the Royal Society, Cambridge.
- Ballard, M. Keith dan John D. Whitcomb. (2018), “Stress analysis of 3D textile composites using high performance computing: new insights and challenges”, *IOP Conf. Series: Materials Science and Engineering Aerospace Department, Texas A&M University, College Station, TX 77840, USA* doi:10.1088/1757-899X/406/1/012004.
- Bhandari, V. B., (2007), *Design of machine element third edition*, The mc graw hill companies, New delhi.
- Bici Michele, Salvatore Brischetto, Sara Varetti, Francesca Campana, Carlo Giovanni Ferro, Carlo Seclì, Paolo Maggiore, Andrea Mazza. (2018), “Development of a multifunctional panel for aerospace use through SLM additive manufacturing”, Elsevier 11th CIRP Conference on Intelligent Computation in Manufacturing Engineering Roma, ICME 17.
- Callister, William D. dan David G. Rethwisch. (2014), *Material Science and Engineering an Introduction 9th Edition*, Mc Graw Hill Book, New York.
- Chandra, Devi. (2009), “Kaji Eksperimen Peningkatan Umur Lelah Poros Beralur Dengan Penambahan Alur Bantu”, *Jurusan Teknik Mesin Fakultas Teknik Universitas Andalas*, ISSN: 0854-8471 Vol.1, No.32, Thn. XVI.
- Fachur Sag, (2019), *Dikenal Lebih Kuat Dari Baja, Ini Kekurangan Serat Karbon*, [online] tersedia di <https://mobilmo.com/pasar-mobil/dikenal-lebih-kuat->

dari-baja-ini-kekuranganserat-karbon-aid3654 [diakses tanggal 15 Maret 2021].

www.itk.ac.id

- Feng, Zheng-Nong, Howard G. Allen, dan Stuart S. J. Moy. (1999), "Study of Stress Concentrations in Woven Composites", Journal of Reinforced Plastic and Composites Technomic Publishing Co. inc. Department of Civil & Environmental Engineering. University of Shouthampton. Vol. 18, No. 3.
- Gibson, R. F., (1994), Principles of Composite Materil Mechanics. McGraw-Hill, Inc. New York, USA.
- Groover, M.P., (2010), Fundamental of Modern Manufacturing Material, Processes and System 5th edition, John Wiley and Sons, hoboken, USA.
- Gupta dan Sexenna. (2014), "A Topological Twist on Materials Science". MRs Bulletin, USA. Vol 39.
- Hadi, B. K., (2000), Mekanika Struktur Komposit, Direktorat P3M DIRJENDIKTI Depnas, Jakarta.
- Hartomo, dkk. (1992), Memahami Polimer Perekat, Andi Offset, Yogyakarta.
- Hexcel Composite. (1999), "HexWeb Honeycomb Attribut and Properties", Recycled Paper, California.
- Hibbeler, R. C. (2017), Mechanics of Materials 10th Edition, Pearson Education, United States of America.
- Ismail Rifky, Sugiyanto, Kristianto Henry, Saputra Eko, Jamari. (2017), "Pemodelan Metode Elemen Hingga Kontak Femoral Head Dengan Acetabular Liner Pada Sendi Panggul Buatan Dengan Variasi Diameter Celah Pada Acetabular Linear", Jurnal ROTASI, Vol. 19, No. 3, hal. 139–146.
- Kadam, Mahesh, Kishor Pawar, Kirti Mantri. (2015), "Effect of Loading Conditions on The Stress Concentration Factor for A Plate", IOSR Journal of Mechanical and Civil Engineering (IOSR-JMCE), JSPM'S Rajarshi Shahu College of Engineering, Maharashtra, India. e-ISSN: 2278-1684, hal. 55-65.
- Kalpakjian S., S. S. (2010), Manufacturing Prosesess for Engineerings Materials: 6th edition, Pearson Prentice Hall, Upper Saddle River New Jersey.
- Maldovan, Martin, Chaitanya K. Ullal, Ji-Hyun Jang, and Edwin L. Thomas. (2007). "Sub-Micrometer Scale Periodic Porous Cellular Structures:

www.itk.ac.id

Microframes Prepared by Holographic Interference Lithography”. Advance Material, WILEY-VCH, Weinheim.

Martikno, Tobias, (2007), “Pengaruh Filler Sebuk sekam padi terhadap sifat mekanik dan termal komposit bermatrik polipropilen”, Skripsi, Universitas Bandar Lampung, Lampung.

Matthews, F.L, and R. D. Rawling (1999), Composite Material Engineering and Science, Imperial College of Science Technology and Medicine, London.

Mazumdar, S. K., (2002), Composites Manufacturing Materials, Product, and Process Engineering, CRC. Press LLC., United Kingdom.

Meyers, M.A. dan K. K. Chawla. (2009), Mechanical Behaviour of Materials 2nd edition, Cambridge University Press, New York.

Mott, R. L. (2009). Elemen-Elemen Mesin dalam Perancangan Mekanis. Translated by Rines, Agus Unggul Santoso, Wibowo Kusbandono, Rusdi Sambada, I Gusti Ketut Puja, dan A. Teguh Siswanto. ANDI, Yogyakarta.

Mulyanto Tri dan Sapto Agung D, (2017), Analisis Tegangan Von mises Poros Mesin Pemotong Umbi-Umbian Dengan Software Solidworks. PRESISI, Vol. 18, No. 2.

Nakasone, Y., S. Yoshimoto, dan T.A. Stolarski. (2006), Engineering Analysis with ANSYS Software, Elseiver, Jordan Hill Butterworth-Heinemann.

Novian. M. S., dan Rahmawaty. (2015), “Perancangan Sasis Mobil Harapan dan Analisa Simulasi Pembebanan Statik Menggunakan Perangkat Lunak ANSYS 14.0”, Jurnal Biltek. Vol. 4 (043), hal. 1-11.

Panggabean, Daniel Sahala Putra, Ahmad Fauzan Zakki, Berlian Arswendo. (2015), “Perbandingan Penggunaan Material Isotropi Dan Orthotropi Pada Metode Elemen Hingga Untuk Analisa Kekuatan Kapal Fiberglass”, Jurnal Teknik Perkapalan Universitas Diponegoro - Vol. 3, No.2.

R Umer, Z Barsoum, HZ Jishi, K Ushijima, and WJ Cantwell. (2017), “Analysis of the compression behaviour of different composite lattice designs”. Journal of Composite Materials Sagepub, Vol. 52, hal. 715–729.

Riedel U., Nickel J., Herrmann A.S. (1999), High Performance Applications of Plant Fibres in Aerospace and Related Industries, German Aerospace Center (DLR), Germany.

- Saiaf Bin Rayhan, Md Mazedur Rahman. (2020), "Modeling elastic properties of unidirectional composite materials using Ansys Material Designer", Elsevier, China.
- Saputra, I. N.A.A., K. R. Dantes dan I. N. P. Nugraha. (2017), "Analisis Tegangan Statik Pada Rancangan Frame Mobil Listrik Ganesha Sakti (GASKI) Menggunakan Software Solidwork 2014". Jurnal Pendidikan Teknik Mesin (JJPTM). Vol8(2), hal. 1-10.
- Shackelford, James, F. (1992), Introduction to Material Science for Engineering. London Prentice Hall International, Inc.
- Surdia, T., dan Saito S., (1999), Pengetahuan Bahan Teknik Cetakkan Ketiga, PT Pradinya Paramita, Jakarta.
- Suryati. (2012), Pembuatan Dan Karakterisasi Genteng Komposit Polimer Dari Campuran Resin Poliester, Aspal, Styrofoam Bekas Dan Serat Panjang Ijuk, Tesis, Universitas Sumatera Utara, Medan.
- Taj, S., Munawar, M.A., Khan, S. (2007), "Natural Fiber reinforced Polymer Composites", Proc. Pakistn acad. Sci. Vol. 44 (2), hal. 129 – 144.
- Todor M. P., C Bulei, T Heput, and I Kiss. (2018), "Researches on The Development of New Composite Materials Complete / Partially Biodegradable Using Natural Textile Fibers of New Vegetable Origin and Those Recovered from Textile Waste", IOP Publishing Conf. Series: Materials Science and Engineering 294.
- Wambua dan Anandjiwal. (2010), "A Review of Preforms for The Composite Industry", Journal of industrial textiles CSIR Materials Science and Manufacturing, South Africa, Vol. 40, No. 4.
- Wang, lifeng, Jacky Lau, Edwin L. Thomas, dan Mary C. Boyce. (2011), "Co-Continuous Composite Materials for Stiffnes, Strength, and Energy Dissipation". WILEY-VCH Verlag GmbH & Co. KGaA, Weinheim, Department of Mechanical Engineering Massachusetts Institute of Technology Cambridge, MA 02139, USA.
- Yoder E.J dan Witczak M.W. (1975), Principles of Pavement Design 2nd Edition, A Wiley-Interscience Publication, New York.