

DAFTAR PUSTAKA

- Antony, J. (2014). Design of Experiments for Engineers and Scientists. In *Elsevier* (2nd Ed). <https://doi.org/10.1016/C2012-0-03558-2>
- Apichattrabrut, T., & Ravi-Chandar, K. (2006). Helicoidal Composites. *Mechanics of Advanced Materials and Structures*, 13(1), 61–76. <https://doi.org/10.1080/15376490500343808>
- Ashby, M. F. (2011). Chapter 3 - Engineering Materials and Their Properties (M. F. B. T.-M. S. in M. D. (Fourth E. Ashby, Ed.). <https://doi.org/https://doi.org/10.1016/B978-1-85617-663-7.00003-5>
- ASTM. (2015). D790-03-Standard Test Method for Flexural Properties of Unreinforced and Reinforced Plastics and Electrical Insulation Materials. *ASTM Standards*, 1–11. Retrieved from <http://scholar.google.com/scholar?hl=en&btnG=Search&q=intitle:Standard+Test+Methods+for+Flexural+Properties+of+Unreinforced+and+Reinforced+Plastics+and+Electrical+Insulating+Materials#0>
- Bouligand, Y. (1972). Twisted fibrous arrangements in biological materials and cholesteric mesophases. *Tissue and Cell*, 4(2), 189–217. [https://doi.org/10.1016/S0040-8166\(72\)80042-9](https://doi.org/10.1016/S0040-8166(72)80042-9)
- Cheng, L., Thomas, A., Glancey, J. L., & Karlsson, A. M. (2011). Mechanical behavior of bio-inspired laminated composites. *Composites Part A: Applied Science and Manufacturing*, 42(2), 211–220. <https://doi.org/10.1016/j.compositesa.2010.11.009>
- Djansena, A. (2015). Komposit Pada Industri Penerbangan Dewasa Ini. Retrieved from obaradai website: <https://obaradai.com/index.php/2015/07/12/komposit-pada-industri-penerbangan-dewasa-ini/>
- Field, A. (2009). *Discovering Statistics using SPSS* (3rd Ed). California: SAGE.
- Grunenfelder, L. K., Suksangpanya, N., Salinas, C., Milliron, G., Yaraghi, N., Herrera, S., ... Kisailus, D. (2014). Bio-inspired impact-resistant composites. *Acta Biomaterialia*, 10(9), 3997–4008. <https://doi.org/10.1016/j.actbio.2014.03.022>

- Guarín-Zapata, N., Gomez, J., Yaraghi, N., Kisailus, D., & Zavattieri, P. D. (2015). Shear wave filtering in naturally-occurring Bouligand structures. *Acta Biomaterialia*, 23, 11–20. <https://doi.org/10.1016/j.actbio.2015.04.039>
- Harshitha, M., & Banu, V. L. S. (2019). *Mechanical Behavior of Helicoidal and Pseudo-*. 7(V), 3529–3534.
- Hashemi Farzaneh, H., & Lindemann, U. (2019). A Practical Guide to Bio-inspired Design. In *A Practical Guide to Bio-inspired Design*. <https://doi.org/10.1007/978-3-662-57684-7>
- Jiang, H., Ren, Y., Liu, Z., Zhang, S., & Lin, Z. (2019). Low-velocity impact resistance behaviors of bio-inspired helicoidal composite laminates with non-linear rotation angle based layups. *Composite Structures*, 214(1), 463–475. <https://doi.org/10.1016/j.compstruct.2019.02.034>
- MacFarland, T. W. (2012). *Two-Way Analysis of Variance* (1st Ed). <https://doi.org/10.1007/978-81-322-0763-4>
- McDonald, J. H. (2014). Handbook of Biological Statistics. In *Sparky House Publishing*. <https://doi.org/10.1016/B978-0-08-044894-7.01562-1>
- Montgomery, D. C. (2017). Design and Analysis of Experiments. In *Wiley* (9th Ed, Vol. 106).
- Nazari, A. R., Kabir, M. Z., & Hosseini-Toudeshky, H. (2017). On the decreasing flexural modulus of glass/vinylester composite beams up to failure state. *Latin American Journal of Solids and Structures*, 14(8), 1464–1489. <https://doi.org/10.1590/1679-78253662>
- Protech Composites. (2016). Carbon Fiber 101. Retrieved from Protech Composites website: [http://www.protechcomposites.com/pages/About-Carbon-Fiber.html#:~:text=Standard Thicknesses For Carbon Fiber&text=Our carbon fiber sheets range,"\) to 3.4mm \(.](http://www.protechcomposites.com/pages/About-Carbon-Fiber.html#:~:text=Standard Thicknesses For Carbon Fiber&text=Our carbon fiber sheets range,)
- Sari, N. H., & Sinarep, S. (2011). Analisa Kekuatan Bending Komposit Epoxy Dengan Penguatan Serat Nilon. *Dinamika Teknik Mesin*, 1(1). <https://doi.org/10.29303/d.v1i1.130>
- Seago, A. E., Brady, P., Vigneron, J. P., & Schultz, T. D. (2009). Gold bugs and beyond: A review of iridescence and structural colour mechanisms in beetles

- (Coleoptera). *Journal of the Royal Society Interface*, 6(SUPPL. 2).
<https://doi.org/10.1098/rsif.2008.0354.focus>
- U.S. Department of Transport, F. A. A. (2012). *Aircraft basic construction*. 1–22.
- Wilts, B. D., Whitney, H. M., Glover, B. J., Steiner, U., & Vignolini, S. (2014). Natural helicoidal structures: Morphology, self-assembly and optical properties. *Materials Today: Proceedings*, 1, 177–185.
<https://doi.org/10.1016/j.matpr.2014.09.021>
- Wu, C. F. J., & Hamada, M. S. (2009). *Experiments: Planning, Analysis, and Optimization* (2nd Ed). New Jersey: Wiley.
- Yaraghi, N. A., Guarín-Zapata, N., Grunenfelder, L. K., Hintsala, E., Bhowmick, S., Hiller, J. M., ... Kisailus, D. (2016). A Sinusoidally Architected Helicoidal Biocomposite. *Advanced Materials*, 28(32), 6835–6844.
<https://doi.org/10.1002/adma.201600786>