

DAFTAR PUSTAKA

- Abliz, D., Duan, Y., Zhao, X., & Li, D. (2014). Low-energy electron beam cured tape placement for out-of-autoclave fabrication of advanced polymer composites. *Composites: Part A* 65, 73-82.
- Aitomäki, Y., Moreno-Rodrigues, S., Lundström, T. S., & Oksman, K. (2016). Vacuum infusion of cellulose nanofibre network composites: Influence of porosity on permeability and impregnation. *Materials and Design* 95, 204-211.
- Amirkhosravi, M., Pishvar, M., & Altan, M. C. (2017). Improving laminate quality in wet lay-up/vacuum bag processes by magnet assisted composite manufacturing (MACM). *Composites: Part A* 98, 227-237.
- Anders, M., Lo, J., Centea, T., & Nutt, S. R. (2016). Eliminating volatile-induced surface porosity during resin transfer molding of a benzoxazine/epoxy blend. *Composites: Part A* 84, 442-454.
- Anderson, J. P., & Altan, M. C. (2012). Properties of Composite Cylinders Fabricated by Bladder Assisted Composite Manufacturing. *Research Gate*.
- Anderson, J. P., & Altan, M. C. (2014). Bladder Assisted Composite Manufacturing (BACM): Challenges and Opportunities. *Research Gate*.
- Anderson, J. P., Kelly, A. J., & Altan, M. C. (2013). Fabrication of Composite Laminates by Vacuum-Assisted Resin Transfer Molding Augmented with an Inflatable Bladder. *Research Gate*.
- Archambault, G., Jodoin, B., Gaydos, S., & Yandouzi, M. (2016). Metallization of carbon fiber reinforced polymer composite by cold spray and lay-up molding processes. *Surface & Coatings Technology* 300, 78-86.
- ASM Handbook. (2000). *Mechanical Testing and Evaluation, ASM Handbook vol. 8*. Material Park, OH 44073-0002: ASM International.
- Aspiyansyah, & Handoko, D. (2016). Pengaruh variasi penekanan terhadap sifat mekanik komposit serat kelapa yang dibuat melalui metode squeeze casting. *Journao Universitas Muhammadiyah Pontianak*, 800-804.
- Astika, I. M. (2012). Analisa Delaminasi Pada Glass Fiber Reinforced Polymer Komposit Laminat Dengan Pembebanan Fatigue. (hal. 1-8). Denpasar: Universitas Udayana.

- Asworth, S., Rongong, J., Wilson, P., & Meredith, J. (2016). Mechanical and damping properties of resin transfer moulded jute-carbon hybrid composites. *Composites Part B* 105, 60-66.
- Avila, A. F., & Morais, D. T. (2005). A multiscale investigation based on variance analysis for hand lay-up composite manufacturing. *Composites Science and Technology* 65, 827-838.
- Baran, I., Akkerman, R., & Hattel, J. H. (2014). Modelling the pultrusion process of an industrial L-shaped composite profile. *Composite Structures* 118, 37-48.
- Baran, I., Tutum, C. C., & Hattel, J. H. (2013). The effect of thermal contact resistance on the thermosetting pultrusion process. *Composites: Part B* 45, 995-1000.
- Baran, I., Tutum, C. C., Nielsen, M. W., & Hattel, J. H. (2013). Process induced residual stresses and distortions in pultrusion. *Composites: Part B* 51, 148-161.
- Basyarahil, Z. I. (2017, Juli). Tugas Akhir. *Karakterisasi dan Proses Manufaktur Komposit Polypropylene berpenguat Serat Dendrocalamus Asper untuk Aplikasi Ruang Mesin Otomotif*. Surabaya, Jawa Timur, Indonesia: Institut Teknologi Sepuluh Nopember Surabaya.
- Boccarusso, L., Carrino, L., Durante, M., Formisano, A., Langella, A., & Minutolo, F. M. (2016). Hemp fabric/epoxy composites manufactured by infusion process: Improvement of fire properties promoted by ammonium polyphosphate. *Composites Part B* 89, 117-126.
- Bodaghi, M., Cristóvão, C., Gomes, R., & Correia, N. C. (2015). Experimental characterization of voids in high fibre volume fraction composites processed by high injection pressure RTM. *Composites : Part A*, 88-99.
- Cain, J. J. (2008, April 4th). Long Term Durability of Glass Reinforced Composites . *Dissertation submitted to the faculty of the Virginia Polytechnic Institute and State University in partial fulfillment of the requirements for the degree of Doctor of Philosophy in Engineering Mechanics*. Blacksburg, Virginia, United States of America: Virginia Polytechnic Institute and State University.
- Callister Jr., W. D., & Rethwisch, D. G. (2014). *Materials Science and Engineering*. Danvers, MA 01923: John Wiley & Sohn, Inc.
- Chong, H. M., Liu, S. L., Subramaniam, A. S., Ng, S. P., Tay, S. W., Wang, S. Q., & Feih, S. (2018). Out-of-autoclave scarf repair of interlayer toughened

carbon fibre composites using double vacuum debulking of patch. *Composites: Part A* 107, 224-234.

Cicala, G., Pergolizzi, E., Piscopo, F., Carbone, D., & Recca, G. (2018). Hybrid composites manufactured by resin infusion with a fully recyclable bioepoxy resin. *Composites Part B* 132, 69-76.

Corbridge, D. M., Harper, L. T., De Focatiis, D. S., & Warrior, N. A. (2017). Compression moulding of composites with hybrid fibre architectures. *Composites: Part A* 95, 87-99.

Cripps, D. (2016, June 16). *material-comparison: Net Composites*. Diambil kembali dari Net Composites Web site: <https://netcomposites.com/guide-tools/guide/introduction/material-comparison/>

Dormanns, J. W., Schuermann, J., Müssig, J., Duchemin, B. J., & Staiger, M. P. (2016). Solvent infusion processing of all-cellulose composite laminates using an aqueous NaOH/urea solvent system. *Composites: Part A* 82, 130-140.

Farnand, K., Zobeiry, N., Poursartip, A., & Fernlund, G. (2017). Micro-level mechanisms of fiber waviness and wrinkling during hot drape forming of unidirectional prepreg composites. *Composites : Part A* 103, 168-177.

Fernández, I., Blas, F., & Frövel, M. (2003). Autoclave forming of thermoplastic composite parts. *Journal of Materials Processing Technology* 143–144, 266-269.

Fu, J., Yun, J., Jung, Y., & Lee, D. (2017). Generation of filament-winding paths for complex axisymmetric shapes based on the principal stress field. *Composite Structures* 161, 330-339.

Gibson, R. F. (2012). *Principles of Composite Material Mechanics*. Boca Raton, FL 33487-2742: CRC Press Taylor & Francis Group.

Gombos, Z. J., & Summerscales, J. (2016). In-mould gel-coating for polymer composites. *Composites: Part A* 91, 203-210.

Grunenfelder, L. K., Dills, A., Centea, T., & Nutt, S. (2017). Effect of prepreg format on defect control in out-of-autoclave processing. *Composites: Part A* 93, 88-99.

Guiraud, O., Dumont, P. J., Orgéas, L., & Favier, D. (2012). Rheometry of compression moulded fibre-reinforced polymer composites: Rheology, compressibility, and friction forces with mould surfaces. *Composites: Part A* 43, 2107-2119.

- Hamill, L., Centea, T., & Nutt, S. (2015). Surface porosity during vacuum bag-only prepreg processing: Causes and mitigation strategies. *Composites: Part A* 75, 1-10.
- Hammami, A., & Al-Zarouni, A. (1999). Investigation of the RTM / Bladder Molding Process.
- Hancock, S. G., & Potter, K. D. (2006). The use of kinematic drape modelling to inform the hand lay-up of complex composite components using woven reinforcements. *Composites Part A 37 : Applied Science and Manufacturing*, 412-422.
- Hashim, S. A., & Nisar, J. A. (2013). An investigation into failure and behaviour of GFRP pultrusion joints. *International Journal of Adhesion & Adhesives* 40, 80-88.
- Jones, H., Rodaut, A., Chatzimichali, A., Potter, K., & Ward, C. (2017). The Dibber: Designing a standardised handheld tool for lay-up tasks. *Applied Ergonomics* 65, 240-254.
- Khan, L. A., Kausar, A., & Day, R. J. (2017). Aerospace composite cured by quickstep and autoclave processing techniques: Evaluation and comparison of reaction progress. *AerospaceScienceandTechnology* 65, 100-105.
- Khanh-Hung, N., Hyun-Woo, J., Viet-Hoai, T., & Jin-Hwe, K. (2018). Delamination analysis of multi-angle composite curved beams using an out-of-autoclave material. *Composite Structures* 183, 320-330.
- Kobayashi, S., Tsukada, T., & Morimoto, T. (2017). Resin impregnation behavior in carbon fiber reinforced polyamide 6 composite: Effects of yarn thickness, fabric lamination and sizing agent. *Composites: Part A* 101, 283-289.
- Kratz, J., & Hubert, P. (2015). Vacuum-bag-only co-bonding prepreg skins to aramid honeycomb core. Part II. In-situ core pressure response using embedded sensors. *Composites: Part A* 72, 219-227.
- Laik, S., Galy, J., Gerard, J.-F., Monti, M., & Camino, G. (2016). Fire behaviour and morphology of epoxy matrices designed for composite materials processed by infusion. *Polymer Degradation and Stability* 127, 44-55.
- Li, Y., & Huang, X. L. (2015). Dispersion evaluation, processing and tensile properties of carbon nanotubes-modified epoxy composites prepared by high pressure homogenization. *Composites: Part A*, 166-173.
- Maron, B., Garthaus, C., Hornig, A., Lenz, F., Huebner, M., & Gude, M. (2017). Forming of carbon fiber reinforced thermoplastic composite tubes – Experimental and numerical approaches. *CIRP Journal of Manufacturing Science and Technology* 18, 60-64.

- Mujika, F., Arrese, A., Adarraga, I., & Oses, U. (2016). New correction terms concerning three-point and four-point bending. *Polymer Testing*, 25-37.
- Munasir. (2011). Studi Pengaruh Orientasi Serat Fiber Glass Searah dan Dua Arah Single. *Jurnal Penelitian Fisika dan Aplikasinya (JPFA)*, 33-41.
- Nakazawa, M. M. (2012). *Mold Basic Design Textbook*. Jakarta: Indonesia Mold & Dies Industry Association (IMDIA).
- Nguyen, N. Q., Mehdikhani, M., Straumit, I., Gorbatikh, L., Lessard, L., & Lomov, S. V. (2018). Micro-CT measurement of fibre misalignment: Application to carbon/epoxy laminates manufactured in autoclave and by vacuum assisted resin transfer moulding. *Composites: Part A* 104, 14-23.
- Nissilae, T., Karhula, S. S., Saarakkala, S., & Oksman, K. (2018). Cellulose nanofiber aerogels impregnated with bio-based epoxy using vacuum infusion: Structure, orientation and mechanical properties. *Composites Science and Technology* 155, 64-71.
- Novo, P. J., Silva, J. F., Nunes, J. P., & Marques, A. T. (2016). Pultrusion of fibre reinforced thermoplastic pre-impregnated materials. *Composites Part B* 89, 328-339.
- Partridge, I. (2016). *NetComposites*. Diambil kembali dari NetComposites Web site: <https://netcomposites.com/guide-tools/guide/manufacturing/cure-monitoring/>
- Pierce, R. S., Falzon, B. G., & Thompson, M. C. (2017). A multi-physics process model for simulating the manufacture of resin-infused composite aerostructures. *Composites Science and Technology* 149, 269-279.
- Préau, M., & Hubert, P. (2018). Effects of processing conditions on bondline void formation in vacuum bag only adhesive bonding: Modelling, validation and guidelines. *International Journal of Adhesion and Adhesives* 80, 43-51.
- Ratmanto, A., Raharjo, W. W., & Triyono, T. (2017). Pengaruh tekanan pengepresan terhadap kekuatan bending komposit rHDPE Cantula. *Prosiding SNST* 7, 46-50.
- Rojas, E. V., Chapelle, D., Perreux, D., Delobelle, B., & Thiebaud, F. (2014). Unified approach of filament winding applied to complex shape mandrels. *Composite Structures* 116, 805-813.
- Safonov, A. A., Carlone, P., & Akhatov, I. (2018). Mathematical simulation of pultrusion processes: A review. *Composite Structures* 184, 153-177.

- San, F. B., & Okur, O. (2017). The effect of compression molding parameters on the electrical and physical properties of polymer composite bipolar plates. *International journal of hydrogen energy* 42, 23054-23069.
- Seretis, G. V., Kouzilos, G., Manolakos, D. E., & Provatidis, C. G. (2017). On the graphene nanoplatelets reinforcement of hand lay-up glass fabric/epoxy laminated composites. *Composites Part B* 118, 26-32.
- Seretis, G. V., Nitodas, S. F., Mimigianni, P. D., Kouzilos, G. N., & Manolakos, D. E. (2018). On the post-curing of graphene nanoplatelets reinforced hand lay-up glass fabric/epoxy nanocomposites. *Composites Part B* 140, 33-38.
- Simacek, P., & Advani, S. G. (2015). Simulating tape resin infiltration during thermoset pultrusion process. *Composites: Part A* 72, 115-126.
- Sorrentino, L., Marchetti, M., Bellini, C., Delfini, A., & Del Sette, F. (2017). Manufacture of high performance isogrid structure by Robotic Filament Winding. *Composite Structures* 164, 43-50.
- Sulhadi, M. S., & Adji, M. (2014). Porositas dan Permeabilitas Komposit Berpori dengan Bahan Dasar Limbah Kaca (Cult). *Journal MIPA* 37, 41-45.
- Tan, J. L., Deshpande, V. S., & Fleck, N. A. (2017). The effect of laminate lay-up on the multi-axial notched strength of CFRP panels: Simulation versus experiment. *European Journal of Mechanics A/Solids* 66, 309-321.
- Tang, C., Li, T., Gao, J., Kang, S., Xiong, C., Li, H., . . . Zhao, T. (2017). Microstructure and mechanical behavior of the Cf/Ti₃SiC₂-SiC composites fabricated by compression molding and pressureless sintering. *Ceramics International* 43, 16204-16209.
- Tarasov, I. V., Shevtsov, S. N., Evlanov, A. V., & Orozaliyev, E. E. (2015). Model-Based Optimal Control of Polymeric Composite Cure in Autoclave System. *IFAC-PapersOnLine* 48-11, 204-210.
- Uddin, M. S., Morozov, E. V., & Shankar, K. (2014). The effect of filament winding mosaic pattern on the stress state of filament wound composite flywheel disk. *Composite Structures* 107, 260-275.
- Üstün, T., Ulus, H., Karabulut, S. E., Eskizeybek, V., Ömer Sinan S, ahin, Sahin, O. S., . . . Demir, O. (2016). Evaluating the effectiveness of nanofillers in filament wound carbon/epoxy multiscale composite pipes. *Composites Part B* 96, 1-6.
- Van de Velde, K., & Kiekens, P. (2001). Thermoplastic pultrusion of natural fibre reinforced composites. *Composites Structures* 54, 355-360.

- Wan, Y., & Takahashi, J. (2016). Tensile and compressive properties of chopped carbon fiber tapes reinforced thermoplastics with different fiber lengths and molding pressures. *Composites : Part A*, 271-281.
- Wang, B., Duan, Y., Xin, Z., Yao, X., Abliz, D., & Ziegmann, G. (2018). Fabrication of an enriched graphene surface protection of carbon fiber/epoxy composites for lightning strike via a percolating-assisted resin film infusion method. *Composites Science and Technology* 158, 51-60.
- Wang, J., Simacek, P., & Advani, S. G. (2016). Use of Centroidal Voronoi Diagram to find optimal gate locations to minimize mold filling time in resin transfer molding. *Composites: Part A* 87, 243-255.
- Wang, J., Simacek, P., & Advani, S. G. (2017). Use of medial axis to find optimal channel designs to reduce mold filling time in resin transfer molding. *Composites: Part A* 95, 161-172.
- Winarbawa, H. (2017, October). Thesis. *Investigation of Agel Leaf Fiber/Unsaturated Polyester Composite Cutting Parameter using CO2 Laser*. Yogyakarta, DIY, Indonesia.
- Xiao, T. L., & Chang, J. L. (2018). Tailoring the composite interface at lower temperature by the nanoscale interfacial active layer formed in cold sprayed cBN/ NiCrAl nanocomposite. *Materials and Design* 140, 387-399.
- Xing, J., Geng, P., & Yang, T. (2015). Stress and deformation of multiple winding angle hybrid filament-wound thick cylinder under axial loading and internal and external pressure. *Composite Structures* 131, 868-877.
- Xu, J., Ma, Y., Zhang, Q., Sugahara, T., Yang, Y., & Hamada, H. (2016). Crashworthiness of carbon fiber hybrid composite tubes molded by filament winding. *Composite Structures* 139, 130-140.
- Yalcinkaya, M. A., Sozer, E. M., & Altan, M. C. (2017). Fabrication of high quality composite laminates by pressurized and heated-VARTM. *Composites: Part A* 102, 336-346.
- Yourdkhani, M., Liu, W., Baril-Gosselin, S., Robitaille, F., & Hubert, P. (2018). Carbon nanotube-reinforced carbon fibre-epoxy composites manufactured by resin film infusion. *Composites Science and Technology* xxx, 1-7.
- Yue, L., Maiorana, A., Patel, A., Gross, R., & Manas-Zloczower, I. (2017). A sustainable alternative to current epoxy resin matrices for vacuum infusion molding. *Composites: Part A* 100, 269-274.
- Yun, M., Carella, T., Simacek, P., & Advani, S. (2017). Stochastic modeling of through the thickness permeability variation in a fabric and its effect on void

formation during Vacuum Assisted Resin Transfer Molding. *Composites Science and Technology* 149, 100-107.

Zhang, Q., Wu, J., Gao, L., Liu, T., Zhong, W., Sui, G., & Yang, X. (2016). Influence of a liquid-like MWCNT reinforcement on interfacial and mechanical properties of carbon fiber filament winding composites. *Polymer* 90, 193-203.