

DAFTAR PUSTAKA

- Afrin, R., Takahashi, I., Shiga, K., dan Ikai, A., (2009) Tensile Mechanics of Alanine-Based Helical Polypeptide: Force Spectroscopy versus Computer Simulations, *Biophysical Journal*, 96(3): 1105-1114.
- Anusavice, K. J., Shen, C., dan Rawls, H. R., (2013) *Phillips' Science of Dental Materials*. Elsevier Saunders, Missouri, pp. 97, 275, 277, 279-280, 286.
- Ardani, M., Sinarep, Salman, Catur, A. D., dan Setyawan, P. D., (2020) *Pengaruh Fraksi Volume dan Panjang Serat Terhadap Kekuatan Tarik dan Impak Komposit Berpenguat Serat Sutera (Samia chynthia rucini)*, Skripsi, Mataram: Fakultas Teknik, Universitas Mataram, pp. 1-5.
- Aseer, J. R. dan Sankaranarayananamy, K., (2017) Effect of Fiber Content on Tensile Retention Properties of Cellulose Microfiber Reinforced Polymer Composites for Automobile Application, *IOP Conference Series: Materials Science and Engineering*, 272(1): 1–5.
- ASTM D-638, (2014) *Standard Test Method for Tensile Properties of Plastics*, ASTM International, United States.
- Astuti, L. A., (2015) Alternatif Splinting pada Kegoyangan Gigi Akibat Penyakit Periodontal, *As-Syifaa*, 7(2): 209–218.
- Brahma, D., Swargiary, A., dan Dutta, K., (2015) A Comparative Study on Morphology and Rearing Performance of Samia Ricini and Samia Canningi Crossbreed with Reference to Different Food Plants, *Journal of Entomology and Zoology Studies*, 3(5): 12–19.
- Callister, W. D. dan Rethwisch, D. G., (2018) *Materials Science and Engineering: An Introduction*, 10th ed, John Wiley & Sons, Inc., USA, pp. 142, 144, 146, 155.
- Daniel, W.W., dan Cross, C.I., (2018) *Biostatistics: A Foundation for Analysis in the Health Science.*, Wiley and Sons Inc., New York, hal. 204.
- Endrawati, Y. C., Solihin, D., D., Suryani, A., dan Subyakto, S., (2017) Optimasi Rendemen Fibroin Ulat Sutera Bombyx mori L. dan Attacus atlas L. dengan Response Surface Methodology, *Agritech*, 37(2): 205-214.
- Faizah, A., Widjijono, W., dan Nuryono, N., (2017) Pengaruh Komposisi Beberapa Glass Fiber Non-Dental terhadap Kelarutan Komponen Fiber Reinforced Composites, *Majalah Kedokteran Gigi Indonesia*, 2(1): 13-19.
- Fransiska, A., Sunarintyas, S., dan Dharmastiti, R., (2017) *Pengaruh Volumetrik Silk-Fiber Bombyx Mori terhadap Penyerapan Air dan Kekuatan Fleksural Fiber-Reinforced Composite*, Tesis, Yogyakarta: Fakultas Kedokteran Gigi, Universitas Gadjah Mada, pp. 1 (Abstr.).
- Gani, A., Oktawati, S., Irawaty Djais, A., dan Sari Silamba, N., (2017) Penggunaan Fiber Polyethylene (Ribbond) sebagai Splint Periodontal, *Makassar Dent J*, 6(3): 143-148.
- Hatrick, C. D., dan Eakle, W. S., (2016) *Dental Materials Clinical Applications for Dental Assistants and Dental Hygienists*, 4th ed., Wolters Kluwer Health, Philadelphia, pp. 228-230.
- Ilie, N., Hilton, T. J., Heintze, S. D., Hickel, R., Watts, D. C., Silikas, N., Stansbury, J. W., Cadenaro, M., dan Ferracane, J. L., (2017) Academy of Dental

- Materials guidance—Resin composites: Part I—Mechanical properties, *Dental Materials*, 33(8): 880–894.
- ISO 4049, (2019) *Dentistry – Polymer-Based Restorative Materials*, International Organization for Standarization, Switzerland, pp. 3,17.
- ISO 527-4, (2023) *Plastics – Determination of Tensile Properties – Part 4: Test Conditions for Isotropic and Orthotropic Fibre-Reinforced Plastic Composites*, International Organization for Standarization, 3rd ed., Switzerland, pp. 4-5, 7.
- Kazano, S., Osada, T., Kobayashi, S., dan Goto, K., (2018), Experimental and analytical investigation on resin impregnation behavior in continuous carbon fiber reinforced thermoplastic polyimide composites, *Mechanics of Advanced Materials and Modern Processes*, 4(6):1-13.
- Kemenkes, (2019) *INFODATIN Pusat Data dan Informasi Kementerian Kesehatan RI Kesehatan Gigi Nasional*, Jakarta Selatan: Kementerian Kesehatan Republik Indonesia, pp. 1.
- Kim, S. J., Moon, J. B., Kim, G. H., Ha, C. S., (2008) Mechanical Properties of Polypropylene/Natural Fiber Composites: Comparison of Wood Fiber and Cotton Fiber, *Polymer Testing* 27 (2008): 801-806.
- Manappallil, J. J., (2016) *Basic Dental Materials*, 4th ed., Jaypee Brothers Medical Publishers, Philadelphia, pp. 173-174.
- Messiry, M.E., (2018) Theoretical determination of the fiber volume fraction distribution for natural fiber fabric reinforced polymer composite, *Journal of Industrial Textiles*, 48(5):904-925.
- Moseti, K.O., Yoshioka, T., Kameda, T., dan Nakazawa, Y., (2019) Aggregation State of Residual α -elices and Their Influence on Physical Properties of S. c. ricini Native Fiber, *Molecules*, 24(20): 3741.
- Murdiyanto, D. dan Hadyan Abtha, A., (2020) Pengaruh Penambahan Serat Kepompong Ulat Sutra (*Bombyx mori* L.) terhadap Kekuatan Tarik Diametral Resin Komposit Flowable, *Jurnal Ilmu Kedokteran Gigi*, 3(2): 14-18.
- Nurkomar, I. dan Trisnawati, D. W., (2022) Pelatihan Manajemen Populasi Ulat Sutra *Samia cynthia* Melalui Rekayasa Siklus Hidup, *Prosiding Seminar Nasional Program Pengabdian Masyarakat*, 4(4): 1880-1884.
- Oberste, C., (2019) *Investigating the Relation between Fiber Length, Volume Fraction, and Mechanical Properties of Fiber-Reinforced Plastics*, WEAV3D Inc, United States, pp. 5.
- Pape, P.G., (2017) Adhesion Promoters: Silane Coupling Agents, dalam Kurtz, M., *Applied Plastics Engineering Handbook*, 2nd ed, US: William Andrew Publishing, pp. 557.
- Park, S.J. dan Seo, M.K., (2011) Modeling of Fiber–Matrix Interface in Composite Materials, *Interface Science and Technology*, 18: 739-776.
- Pramudia, M., Umami, M. K., dan Prihantoko, A., (2022) Effect of Fiber Volume Fraction on Tensile Strength and Fracture Analysis of Corn Husk Reinforced Epoxy Resin Composite, *MATEC Web of Conferences* 372 (2022) 02005.
- Putra, F.U., Paundra, F., Muhyi, A., Hakim, F., Triawan, L., dan Aziz, A., (2023) Pengaruh Variasi Tekanan dan Fraksi Volume pada Hybrid Composite Serat

- Sabut Kelapa dan Serat Bambu Bermatriks Resin Polyester terhadap Kekuatan Tarik dan Bending, *Jurnal Foundry*, 6(1): 8-15.
- Qiao, P. dan Davalos, J. F., (2013) Design of All-Composite Structures Using Fiber-Reinforced Polymer (FRP) Composites, dalam Uddin, N., *Developments in Fiber-Reinforced Polymer (FRP) Composites for Civil Engineering*, UK: Woodhead Publishing, pp. 469–508.
- Rajak, D. K., Pagar, D. D., Menezes, P. L., dan Linul, E., (2019) *Fiber-Reinforced Polymer Composites: Manufacturing, Properties, and Applications. Polymers*, 11(10): 1-37.
- Rangappa, S. M., Parameswaranpillai, J., Siengchin, S., dan Thomas, S., (2022) *Handbook of Epoxy/Fiber Composites*, Springer Nature Singapore, pp. 611, 769.
- Rezaie, H. R., Rizi, H. B., Khamseh, M. M. R., dan Öchsner, A., (2020) *Advanced Structured Materials A Review on Dental Materials*, Springer, Switzwelnd, Hal. 144-149.
- Riskesdas, (2018) *Laporan Riskesdas 2018 Nasional*, Jakarta: Lembaga Penerbit Badan Penelitian dan Pengembangan Kesehatan, pp. 211.
- Rosyida, N. F., Sunarintyas, S., Pudyani, P. S., (2015) *Pengaruh Penambahan Silane dan Impregnasi Fiber terhadap Kekuatan Tarik Fiber Reinforced Composite E-Glass sebagai Retainer Ortodonsi*, Tesis, Yogyakarta: Fakultas Kedokteran Gigi, Universitas Gadjah Mada, pp. 27.
- Saifullah, A., Jufri, M., Kurniawati, D., dan Chandra, R., (2021) Mechanical Properties of Layered-Carbon Fiber Reinforced with Vacuum Infusion Process, *Journal of Energy Mechanical Material and Manufacturing Engineering*, (6)1: 33–40.
- Sakaguchi, R. L., Ferracane, J. L., dan Powers, J. M. (2019). *Craig's Restorative Dental Materials*, 14th ed, Elsevier, Missouri, hal. 135,142-143, 147-153.
- Schricker, S. R., (2017) Composite Resin Polymerization and Relevant Parameters, dalam Eliades T, Brantley W. A., *Orthodontic Applications of Biomaterials*, UK: Woodhead Publishing, pp. 153.
- Septommy, C., Widjijono, dan Dharmastiti, R., (2014) Pengaruh posisi dan fraksi volumetrik fiber polyethylene terhadap kekuatan fleksural fiber reinforced composite, *Dental Journal (Majalah Kedokteran Gigi)*, 47(1): 52-56.
- Sharafeddin, F., Alavi, A.A., dan Talei, Z., (2013) Flexural Strength of Glass and Polyethylene Fiber Combined with Three Different Composites, *J Dent Shiraz Univ Med Scien*, 14(1): 13-19.
- Sultan, M. T. H., Azmi, A. I., Majid, M. S. A., Jamir, M. R. M., dan Saba, N., (2020) *Machining and Machinability of Fiber Reinforced Polymer Composites*, Springer Singapore, pp. 2-3.
- Sunarintyas, S., Irnawati, D., Harsini, Rinastiti, M., Nuryono, (2023) Impregnation of various fiber tapes toward mechanical properties of dental fiber-reinforced composites, *Majalah Kedokteran Gigi Indonesia*, 9(1): 16-21.
- Suriani, M.J., Rapi, H.Z., Ilyas, R.A., Petrù, M. dan Sapuan, S.M., (2021) Delamination and manufacturing defects in natural fiber-reinforced hybrid composite: A review. *Polymers*, 13(8), pp.1323.

- Suryanto, H., (2019) *Biokomposit Starch-Nanoclay: Sintesis dan Karakteristik*, Universitas Negeri Malang, Malang, pp. 49.
- Tamta, M. dan Mahajan, S., (2021) The Novel Silk Fiber: Eri, *International Journal of Home Science*, 7(1): 101–104.
- Trisuji, R. M., Atmowidi, T., Priawandiputra, W., dan Endrawati, Y. C., (2022) *Karakteristik Morfologi, Siklus Hidup, dan Kualitas Serat Sutra Samia cynthia ricini Donovan pada Pemberian Pakan Berbeda*, Tesis, Bogor: Fakultas Matematika dan Ilmu Pengetahuan Alam, Institut Pertanian Bogor, pp. 1 (Abstr.).
- Yang, X., Zhan, L., Peng, Y., Liu, C., dan Xiong, R., (2021) Interface Controlled Micro- and Macro-Mechanical Properties of Vibration Processed Carbon Fiber/Epoxy Composites, *Polymers*, 13(16): 2764.