

DAFTAR PUSTAKA

- Aramwit, P., Siritientong, T., & Srichana, T. 2011. Potential Applications of Silk Sericin, A Natural Protein from Textile Industry By-Products. *Waste Management & Research*, 30(3), p. 217–224.
- Aramwit, P., Siritientong, T., Srichana, T., & Ratanavaraporn, J. 2012. Accelerated Healing of Full-Thickness Wounds by Genipin-Crosslinked Silk Sericin/PVA Scaffolds. *Cells Tissues Organs*, 197(3), p. 224–238.
- Aramwit, P., Yamdech, R., & Ampawong, S. 2016. Controlled Release of Chitosan and Sericin from the Microspheres-Embedded Wound Dressing for the Prolonged Anti-microbial and Wound Healing Efficacy. *The AAPS Journal*, 18(3), p. 647–658.
- Cao, T., & Zhan, Y. 2016. China. Processing and characterization of silk sericin from *Bombyx mori* and its application in biomaterials and biomedicines. *Materials Science and Engineering: C*, 61, p.940–952.
- Chaisabai, W., Khamhaengpol, A., & Siri, S. 2017. Sericins of Mulberry and Non-Mulberry Silkworms for Eco-Friendly Synthesis of Silver Nanoparticles. *Artificial Cells, Nanomedicine, and Biotechnology*, 46(3), p. 536–543.
- Chen, F., Porter, D., & Vollrath, F. 2012. Morphology and Structure of Silkworm Cocoons. *Materials Science and Engineering C*, 32(2012), p. 772–778.
- Dantes, K. R., Widayana, G., & Nugraha, I. N. P. 2016. Identifikasi Serat Alam Lokal Potensial Sebagai Alternatif Bahan Baku Produk Wisata dalam Rangka Pemberdayaan Usaha Kecil Menengah (UKM) di Kawasan Bali Utara (Studi Kasus di Desa Musi, Kecamatan Gerokgak, Kabupaten Buleleng). Seminar Nasional Riset Inovatif (Senari).
- Dong, Z., Guo, K., Zhang, X., Zhang, T., Zhang, Y., Ma, S., & Chang, H., *et al.* 2019. Identification of *Bombyx Mori* Sericin 4 Protein as A New Biological Adhesive. *International Journal of Biological Macromolecules*, 132(2019), p. 1121-1130.
- Estetika, Y., & Endrawati, Y. C. 2018. Produktivitas Ulat Sutera (*Bombyx mori* L.) Ras BS-09 di Daerah Tropis. *Jurnal Ilmu Produksi dan Teknologi Hasil Peternakan*, 6(3), p. 104-112.

- Frese, C., Decker, C., Rebholz, J., Stucke, K., Staehle, H. J., & Wolff, D. 2014. Original and Repair Bond Strength of Fiber-Reinforced Composites In Vitro. *Dental Materials*, 30 (2014), p. 456–462.
- Gallo, A. L., Pollini, M., & Paladini F. 2018. A Combined Approach for The Development of Novel Sutures With Antibacterial and Regenerative Properties: The Role of Silver and Silk Sericin Functionalization. *Journal of Materials Science: Materials in Medicine*, 29(8), p. 1-13.
- Garoushi, S. Gargoum, A., Vallittu, P. K., & Lassila, L. 2018. Short Fiber-Reinforced Composite Restorations: A Review of the Current Literature. *Journal of investigative and clinical dentistry*, 9(3), p. e12330.
- Irmak, Ö., Yaman, B. C., & Lee, D. Y. 2017. Flexural Strength of Fiber Reinforced Posts After Mechanical Aging by Simulated Chewing Forces. *Journal of the Mechanical Behavior of Biomedical Materials*, 77 (2018), p. 135–139.
- Jaiswal, K. K., Banerjee, I., & Mayookha, V. P. 2021. Recent Trends in The Development and Diversification of Sericulture Natural Products for Innovative and Sustainable Applications. *Bioresource Technology Reports*, 13(10061), p. 1-9.
- Jo, Y. Y., Kweon, H. Y., Kim, D. W., Baek, K. Y., Kim, M. K., Kim, S. G., Chae, W. S., *et al.* 2017. Bone Regeneration is Associated with The Concentration of Tumour Necrosis Factor-A Induced by Sericin Released from A Silk Mat. *Scientific Reports*, 7(1), p. 1-12.
- Kang, Y. J., Ahn, S. H., Kim, Y. W., Jo, Y. Y., Kweon, H. Y., & Kim, S. G. 2019. Non-Randomized, One Way Cross-Over, Open Label Preliminary Clinical Trial for Silk Protein Based Oral Gargling. *Int. J. Indust. Entomol*, 38(1), p. 14-17.
- Kunz, R. I., Brancalhão, R. M. C., Riberio, L. F., & Natali, M. R. M. 2016. Silkworm Sericin: Properties and Biomedical Applications. *BioMed Research International*, 2016 (8175701), p. 1-16.
- Lazar, M. A., Rotaru, H., Bâldea, I., Bosca, A. B., Berce, C. P., Prejmerean, C., *et al.* 2016. Evaluation of the Biocompatibility of New Fiber-Reinforced Composite Materials for Craniofacial Bone Reconstruction. *The Journal of Craniofacial Surgery*, 27(7), p. 1694-1699.
- Murdiyanto, D. (2017) Potensi Serat Alam Tanaman Indonesia Sebagai Bahan Fiber Reinforced Composite Kedokteran Gigi. *Jurnal Material Kedokteran*

Gigi, 6(1), p. 14-22.

- Mohajerani, A., Hui, S. Q., Mirzababaei, M., Arulrajah, A., Horpibulsuk, S., Kadir, A. A., *et al.* 2019. Amazing Types, Properties, and Applications of Fibres in Construction Materials. *Materials*, 12(2513), p. 1-45.
- Nagavally, R. R. 2017. Composite Materials – History, Types, Fabrication Techniques, Advantages, and Applications. *International Journal of Mechanical and Production Engineering*, 5(9), p. 25-30.
- Nindhia, T. G. T., Surata, I. W., Knejslik, Z., Ruml, T., & Nindhia, T. S. 2015. New Route in Degumming of Bombyx Mory Silkworm Cocon for Biomaterial. *Journal of Medical and Bioengineering*, 4(4), p. 338-341.
- Patel, E., Choonara, Y. E., & Pillay, V. 2020. Dental Biomaterials: Challenges in the Translation from Lab to Patient. *The South African Dental Journal*, 75 (1), p. 16 - p28.
- Purnamasari, F. L., Sari, W. P., & Elianora, D., 2019. Uji Kekerasan Fiber Reinforced Composite Dengan E-Glass Fiber Dental Dan Non-Dental. *Jurnal Kedokteran Gigi*, 31(1), p. 1-5.
- Qiang, W. P., He, X. D., Zhang, K., Cheng, Y. F., Lu, Z. S., Li, C. M., Kang, E. T., *et al.* 2021. Mussel Adhesive Mimetic Silk Sericin Prepared by Enzymatic Oxidation for the Construction of Antibacterial Coatings. *ACS Biomaterials Science & Engineering*, 7(7), 3379–3388.
- Qin, H., Zhang, J., Yang, H., Yao, S., He, L., Liang, H., Wang, Y., *et al.* 2020. Safety Assessment of Water-Extract Sericin from Silkworm (*Bombyx mori*) Cocoons Using Different Model Approaches. *BioMed Research International*, 2020(2), p. 1-13.
- Rajak, D. K., Pagar, D. D., Menezes, P. L., & Linul, E. 2019. Fiber-Reinforced Polymer Composites: Manufacturing, Properties, And Applications. *Polymers*, 11(1667), p. 1-37.
- Rajput, S. K., & Kumar, M. S. 2015. Sericin – A Unique Biomaterial. *IOSR Journal of Polymer and Textile Engineering (IOSR-JPTE)*, 2(3), p. 29-35.
- Rangi, A., & Jajpura, L. 2015. The Biopolymer Sericin: Extraction and Applications. *J Textile Sci Eng*, 5(1), p. 1-5.
- Scribante, A., Vallittu, P. K., Özcan, M., Lassila, L. V. J., Gandini, P., & Sfondrini, M. F. 2018. Travel beyond Clinical Uses of Fiber Reinforced Composites (FRCs) in Dentistry: A Review of Past Employments, Present

- Applications, and Future Perspectives. *BioMed Research International*, 2018, p. 1-8.
- Scribante, A., Vallittu, P. K., & Özcan, M. 2018. Fiber-Reinforced Composites for Dental Applications, *BioMed Research International*, 2018, p. 1–2.
- Sfondrini, M. F., Fraticelli, D., Castellazzi, L., Scribante, A., & Gandini, P. 2014. Clinical Evaluation of Bond Failures and Survival Between Mandibular Canine-To-Canine Retainers Made of Flexible Spiral Wire and Fiber-Reinforced Composite. *Journal of Clinical and Experimental Dentistry*, 6(2), p. 145–149.
- Sfondrini, M. F., Massironi, S., Pieraccini, G., Scribante, A., Vallittu, P. K., Lassila, L. V., *et al.* 2014. Flexural Strengths of Conventional and Nanofilled Fiber-Reinforced Composites: A Three-Point Bending Test, *Dental Traumatology*, 30(1), p. 32–35.
- Tahir, H. M., Saleem, F., Ali, S., Ain, Q., Afazal, A., Summer, M., Mushtaq, R., *et al.* 2020. Synthesis of Sericin-Conjugated Silver Nanoparticles and Their Potential Antimicrobial Activity. *Journal of Basic Microbiology*, p. 1-10.
- Ude, A. U., Eshkoo, R. A., Zulkifili, R., Ariffin, A. K., Dzuraidah, A.W., & Azhari, C.H. 2014. Bombyx mori silk fibre and its composite: A review of contemporary developments. *Materials and Design*, 57(2014), p. 298–305.
- Wang, F., Hou, K., Chen, W., Wang, Y., Wang, R., Tian, C., Xu, S., *et al.* 2020. Transgenic PDGF-BB/Sericin Hydrogel Supports for Cell Proliferation and Osteogenic Differentiation. *Biomaterials Science*.
- Widyasrini, D. A., & Sunarintyas, S. 2020. Effects of alkalisiation and volume fraction reinforcement of Bombyx mori silk fibre on the flexural strength of dental composite resins. *Dental Journal (Majalah Kedokteran Gigi)*, 53(2), p. 57–61.
- Woltje, M., & Bobel, M. 2017. Natural Biodegradable Medical Polymers. *Science and Principles of Biodegradable and Bioresorbable Medical Polymers*, p. 351–376.
- Yazicioglu, A., Demirag, F., Alici, I. O., Yekeler, E., & Karaoglanoglu, N. 2015. Can Sericin Prove Useful as a Pleurodesis Agent or Tissue Glue?. *The Thoracic and Cardiovascular Surgeon*, 65(05), p. 367–374.

- Zafar, M. S., & Al-Samadani, K. H., 2014. Potential Use Of Natural Silk For Bio-Dental Applications. *Journal of Taibah University Medical Sciences*, 9(3), p. 171-177.
- Zhang, H., Deng, L., Yang, M., Min, S., Yang, L., & Zhu, L. 2011. Enhancing Effect of Glycerol on the Tensile Properties of Bombyx mori Cocoon Sericin Films. *International Journal of Molecular Sciences*, 12(5), p. 3170–3181.
- Zhang, M., Matinlinna, J. P. 2012. E-Glass Fiber Reinforced Composites in Dental Applications. *Silicon*, 4(1), pp. 73–78.

