

DAFTAR PUSTAKA

- Adnyasari, N. L. P. S. M., Syahriel, D., & Haryani, I. G. A. D. (2023). Plaque Control In Periodontal Disease. *Interdental Jurnal Kedokteran Gigi (IJKG)*, 19(1), 55–61.
- Adynur, M. R., Prasetyowati, S., Sarwo Edi, I., & Kesehatan Gigi Poltekkes Kemenkes Surabaya, J. (2023). Pengetahuan Tentang Kesehatan Gigi dan Mulut Pada Siswa Kelas IV SDN Baratajaya Surabaya. *Surabaya Dental Therapist Journal*, 1(2), 3025–4701.
- Afifah, A., Wahyu Nugraha, A., Putri Larassati, D., Industri Pertanian, T., Teknologi Sumatera, I., Hui, W., & Selatan, L. (2023). Aplikasi Ekstrak Kolagen Sebagai Minuman Kolagen. *Jurnal Agroindustri Pangan*, 2(2), 1-16.
- Agnes Jap, C., Suci Pertiwi, A., & Andrew, J. (2023). Efikasi Suplementasi Kolagen Dalam Mencegah Tanda Penuaan. *Jurnal Poltekkes*, (2), 1-11.
- Alhajj, W. A. (2022). *Gingival phenotypes and their relation to age, gender and other risk factors*. *BMC Oral Health*, 20(1), 1-8.
- Al-Shaer, A., Lyons, A., Ishikawa, Y., Hudson, B. G., Boudko, S. P., & Forde, N. R. (2021). Sequence-dependent mechanics of collagen reflect its structural and functional organization. *Biophysical Journal*, 120(18), 4013–4028.
- Anuja, N., Dyamavva, H., Preethi A, P., Prasanna, K. R., & Raghavendra, K. (2021). Gingival enlargements: A review. *Journal of Dental Problems and Solutions*, 029–031.
- Asmawati, P., Fachruddin, A., Dewi Puspitas, L., & Bina Husada Kendari, P. (2023). Efektifitas Larutan Jeruk Nipis (*Citrus Aurantifolia*) Terhadap Penurunan Peradangan Gingiva. In *Jurnal Riset Ilmiah*, 2(5), 1425- 1426.
- Ayub, I. A., Puspita Adnan, A., & Anzhari Ayub, A. (2018). Hubungan Antara Status Periodontal Dan Status Gigi Geligi Usia Dewasa Masyarakat Kelurahan Malino Kabupaten Gowa. *Cakradonya Dental Journal*, 10(2), 71–77.
- Azizah, Adam, & Mardiana. (2021). Stres dan penyembuhan periodontal. *Jurnal Kedokteran Gigi Universitas Baiturrahmah, Special Edition*, 8(2), 202–209.
- Bidjuni, M., Ketut Harapan, I., Luh Rizky Astiti, N., & Politeknik Kesehatan Kemenkes Manado Jurusan Kesehatan Gigi, D. (2023). Tingkat Pengetahuan Tentang Cara Memelihara Kesehatan Gigi Dan Mulut Dengan Kejadian Gingivitis Masa Pubertas Pada Siswa Kelas VII A SMP Negeri 8 Manado. *Dental Health Journal*, 10(2), 63-74.
- Binlateh, T., Thammanichanon, P., Rittipakorn, P., Thinsathid, N., & Jitprasertwong, P. (2022). Collagen-Based Biomaterials in Periodontal Regeneration: Current Applications and Future Perspectives of Plant-Based Collagen. In *Biomimetics*, 7(2), 1-16.

- Butenko, S., Miwa, H., Liu, Y., Plikus, M. V., Scumpia, P. O., & Liu, W. F. (2023). Engineering immunomodulatory biomaterials to drive skinwounds toward regenerative healing. *Cold Spring Harbor Perspectives in Biology*, 15(5), 1-23.
- Cangara, C. J., & Thahir, H. (2024). The Effectiveness Of Metronidazole Gels In The Management Of Periodontal Disease. *Interdental Jurnal Kedokteran Gigi*, 20(1), 90–95.
- Carlini, V., Noonan, D. M., Abdalalem, E., Goletti, D., Sansone, C., Calabrone, L., & Albin, A. (2023). The multifaceted nature of IL-10: regulation, role in immunological homeostasis and its relevance to cancer, COVID-19 and post-COVID conditions. In *Frontiers in Immunology*, (14), 2-19.
- Cho, Y. D., Kim, K. H., Lee, Y. M., Ku, Y., & Seol, Y. J. (2021). Periodontal wound healing and tissue regeneration: A narrative review. In *Pharmaceuticals*, 14(5).
- Correa-Araujo, L., Lara-Bertrand, A., & Silva-Cote, I. (2024). Tissue Engineering Scaffolds: *The Importance of Collagen*, 1-19.
- Cruz-Velasquez, T., Ruiz-Reyes, H., & Rodríguez-Orozco, A. R. (2024). Periodontitis Treatment by Scaling and Root Planing with Antimicrobial and Anti-Inflammatory Solutions in a Patient with Systemic Lupus Erythematosus. *Revista Odontológica Mexicana Órgano Oficial de La Facultad de Odontología UNAM*, 26(4), 1-9.
- Diller, R. B., & Tabor, A. J. (2022). The Role of the Extracellular Matrix (ECM) in Wound Healing: A Review. In *Biomimetics*, 7(3), 1-15.
- Erchick, D. J., Rai, B., Agrawal, N. K., Khatry, S. K., Katz, J., LeClerq, S. C., Reynolds, M. A., & Mullany, L. C. (2019). Oral hygiene, prevalence of gingivitis, and associated risk factors among pregnant women in Sarlahi District, Nepal. *BMC Oral Health*, 19(1), 1-11.
- Ermawati, T., Harmono, H., & Kartikasari, D. (2021). Effectiveness Of Robusa Coffee Bean Extract Gel On Collagen Fibers Density In Post-Gingivectomy Wound Healing. In *Odonto Dental Journal*, 8(1), 1-9.
- Faizah, A., & Anindhita, M. (2021). Curettage Treatment In Cases Of Gingivitis Et Causa Plaque And Dental Calculus, 41-42.
- Fajrin, F. N., Fitri, H., Kasuma, N., & Suharti, N. (2019). Efektivitas Penggunaan Aplikasi Pasta Gigi Yang Diformulasi Zinc Dan Suplemen Oral Zinc Setelah Scalling Dan Root Planning Terhadap Kadar Tissue Inhibitor Of Matrix Metalloproteinase-1 Saliva Pada Gingivitis. *Jurnal Kedokteran Gigi Universitas Baiturrahmah*, 6(2), 152–163.
- Feng, Y., & Li, H. P. (2024). Optimizing collagen-based biomaterials for periodontal regeneration: clinical opportunities and challenges. In *Frontiers in Bioengineering and Biotechnology*, (12), 1-15.

- Fioranelli, M., Rocchia, M. G., Flavin, D., & Cota, L. (2021). Regulation of inflammatory reaction in health and disease. In *International Journal of Molecular Sciences*, 22(10), 1-13.
- Gasner, N. S. , & S. R. S. (2023). *Periodontal Disease (1st ed.)*. StatPearls Publishing.
- Goodman, M. B., & Savage-Dunn, C. (2022). Reciprocal interactions between transforming growth factor beta signaling and collagens: Insights from *Caenorhabditis elegans*. In *Developmental Dynamics*, 251(1), 47–60.
- Hammami, C., & Nasri, W. (2021). Antibiotics in the Treatment of Periodontitis: A Systematic Review of the Literature. *International Journal of Dentistry*, 2021.
- Handini, Fuku, A., Pratiwi, R., & Danifatis Sunnah, T. (2021). Regenerasi Sel Ligamen Periodontal Dengan Kolagen Sisik Ikan Nila (*Oreochromis niloticus*). In *Medali Journal*, 3(1), 1-8.
- Haryani, W., & Irma Siregar. (2022). *Modul Gingivitis* (Tedi Pernama, Ed.; 1st ed.). Jurusan Kesehatan Gigi Poltekkes Jakarta I, 1-29.
- Hauck, S., Zager, P., Halfter, N., Wandel, E., Torregrossa, M., Kakpenova, A., Rother, S., Ordieres, M., Räthel, S., Berg, A., Möller, S., Schnabelrauch, M., Simon, J. C., Hintze, V., & Franz, S. (2021). Collagen/hyaluronan based hydrogels releasing sulfated hyaluronan improve dermal wound healing in diabetic mice via reducing inflammatory macrophage activity. *Bioactive Materials*, 6(12), 4342–4359.
- Herdiani, M., Pramasari, N., & Purnamasari, C. B. (2022). Pengaruh Ekstrak Daun Kelor (*Moringa oleifera* Lam.) Terhadap Penyembuhan Luka. *Mulawarman Dental Journal*, 2(1), 1-14.
- Holm Nielsen, S., Port, H., Møller Hausgaard, C., Holm, J. G., Thyssen, J. P., Groen, S. S., Karsdal, M., Nielsen, V. W., Egeberg, A., Bay-Jensen, A. C., & Thomsen, S. F. (2023). A fragment of type VI collagen alpha-6 chain is elevated in serum from patients with atopic dermatitis, psoriasis, hidradenitis suppurativa, systemic lupus erythematosus and melanoma, 13(1), 1-9.
- Janjic, K., Agis, H., Moritz, A., Rausch-Fan, X., & Andrukhov, O. (2022). Effects of collagen membranes and bone substitute differ in periodontal ligament cell microtissues and monolayers. *Journal of Periodontology*, 93(5), 697–708.
- Jauharuddin, A. (2024). The Role Of Vitamin C In Health Body And Oral Cavity. *Journal of Public Health and Industrial Nutrition*, 1(1), 1-6.
- Jitprasertwong, D. P. (2022). Biomaterial Berbasis Kolagen dalam Regenerasi Periodontal: Aplikasi Saat Ini dan Prospek Masa Depan Kolagen Berbasis Tanaman. *Journal Biomimetics*, 7(2), 34.
- Jockel-Schneider, Y., Stoelzel, P., Hess, J., Haubitz, I., Fickl, S., & Schlagenhauf, U. (2022). Impact of a Specific Collagen Peptide Food Supplement on Periodontal Inflammation in Aftercare Patients—A Randomised Controlled Trial. *Nutrients*, 14(21), 1-11

- Joengijantoro, rudi. (2023). *Teknik Anamnesis Yang Efektif*. WGH Publishing. 1-124.
- Karyadi, E., Syaifyi, A., Studi Kedokteran Gigi, P., Kedokteran Gigi, F., Muhammadiyah Surakarta, U., & Gadjah Mada Yogyakarta, U. (2019). Ekspresi Kadar Tumor Necrosis Factor- α (TNF- α) Cairan Sulkus Gingiva Pada Penderita Gingivitis (Kajian Pengguna Kontrasepsi Pil, Suntik dan Implan). In *Jurnal Ilmu Kedokteran Gigi*, 2,(1), 1-5
- Kaur, K., Sculley, D., Wallace, J., Turner, A., Ferraris, C., Veysey, M., Lucock, M., & Beckett, E. L. (2019). Micronutrients and bioactive compounds in oral inflammatory diseases. In *Journal of Nutrition and Intermediary Metabolism*, (18), 1-7.
- Kirana, K. (2023). Oral Collagen And Aging: A Review. Healthy Tadulako Journal *Jurnal Kesehatan Tadulako*, 9(2), 1-15.
- Komori, T., Pham, H., Jani, P., Perry, S., Wang, Y., Kilts, T. M., Li, L., & Young, M. F. (2022). The Role of Type VI Collagen in Alveolar Bone. *International Journal of Molecular Sciences*, 23(22), 1-12.
- Li, Q., Tintut, Y., Demer, L. L., Vazquez-Padron, R. I., Bendeck, M. P., & Hsu, J. J. (2024). Collagen VIII in vascular diseases. In *Matrix Biology*, (133), 64–76.
- Lifshits, L. A., Rabin, M., Tohar, R., Netti, F., Gabay, M., Sova, M., Bar, D. Z., Weinberg, E., Adler-Abramovich, L., & Gal, M. (2023). Enhancement of Collagen-I Levels in Human Gingival Fibroblasts by Small Molecule Activation of HIF-1 α . *Journal of Agricultural and Food Chemistry*, 71(20), 7829–7835.
- Liu, L., Wu, D., Tu, H., Cao, M., Li, M., Peng, L., & Yang, J. (2023). Applications of Hydrogels in Drug Delivery for Oral and Maxillofacial Diseases. In *Gels*, 9(2), 1-30.
- Malaha, N., Sartika, D., Pannyiwi, R., Zakiah, V., & Star Billionaires Klub, P. (2023). *Efektifitas Sediaan Biospray Revolutik Terhadap Jumlah Fibroblas Dalam Proses Penyembuhan Luka*, 2(2), 1-9.
- Mathew-Steiner, S. S., Roy, S., & Sen, C. K. (2021). Collagen in wound healing. In *Bioengineering*, 8(5), 1-15.
- Mehra, P., Singh, H., Kaur, P., Tandon, B., Chaudhry, S., & Choudhary, A. (2022). Assessment of role of tetracycline fibres in chronic periodontitis patients. *International Journal of Health Sciences*, 1757–1762.
- Miftah, & Mira., Epid. , Slamet. , Anie. ,Sri. ,Sukarsih. ,Sri. ,Karin. , Retno. ,Idham. ,Pariti. ,Emma. ,Rawati. , Rina. , Surayah. ,Rosmawati. (2023). *Penyakit Gigi Mulut*, 124-125.
- Nabilah, H. H., Anggrawati, H., Herianto, Y., Restuning, S., Keperawatan Gigi, J., III Kesehatan Gigi, P. D., & Kesehatan Kementerian Kesehatan Bandung, P. (2020). Gambaran Penyakit Gingivitis Pada Pasien Yang Berkunjung Ke Poli Gigi Rumah Sakit. In *Jurnal Kesehatan Siliwangi*, (1), 1-5.

- Naomi, R., Ardhani, R., Hafiyyah, O. A., & Fauzi, M. B. (2020). Current insight of collagen biomatrix for gingival recession: An evidence-based systematic review. In *Polymers*, 12(9), 1-25.
- Naomi, R., Ridzuan, P. M., & Bahari, H. (2021). Current insights into collagen type i. In *Polymers*, 13(16), 1-19.
- Neurath, N., & Kesting, M. (2024). Cytokines in gingivitis and periodontitis: from pathogenesis to therapeutic targets. In *Frontiers in immunology*, (15), 1-13.
- Newman, M. G. , Klokkevold, P. R. , & Elangovan, S. , K. Y. , C. F. A. , & T. (2023). *Regulation of Adaptive Immunity; The Role of Interleukin-10*. *Frontiers in Immunology*, 4(129), 1–13.
- Newman, Michael G., Takei, H. , R., & Klokkevold, P. , dan C. F. (2019). *Newman And Carranza's Clinical Periodontology 13th ed.*
- Nopi Rantika, Nurul Auliasari, & Aji Najihudin. (2023). *Biofarmasetika Sediaan Farmasi*, 1-184.
- Nungroho, I. B., Adam Hidayatullah, B., Alim Murtopo, A., YMI Tegal, S., Pendidikan No, J., & Lor, P. (2023). Sistem Pakar Diagnosa Penyakit Gigi Periodontal Menggunakan Metode Fuzzy Mamdani. *Teknomatika*, 13(2), 1-11.
- Pasaribu, S. M. R. (2024). Pro-Inflamasi Versus Anti-Inflamasi Sitokin. *Journal Ilmiah*, (14), 1-12.
- Patel, J. S., Shin, D., Willis, L., Zai, A., Kumar, K., & Thyvalikakath, T. P. (2023). Comparing gingivitis diagnoses by bleeding on probing (BOP) exclusively versus BOP combined with visual signs using large electronic dental records, 13(1), 1-10.
- Pebrianti, D., Mikhael, A.K., Rima, H. Q., Siti, N. K., Aulia, H, F., Laila, N. A., Cindi, D. R., Muhammad, H. S., Aviatus, S., Rohana, A. P., Rika, P. S., Melanny, I, S., & Muh. Agus, S. R. (2023). Potential of Collagen as an Active Ingredient in Cosmetics. *Berkala Ilmiah Kimia Farmasi*, 10(2), 48–54.
- Pedowska, M., Prokop, M., Chałas, R., & Ptasiewicz, M. (2022). The Use of Collagen Matrix in the Treatment of Gingival Recession—A Pilot Study. *Journal of Personalized Medicine*, 12(11), 1-11.
- Pontoluli, Z. G., Khoman, J. A., & Wowor, V. N. S. (2021). Kebersihan Gigi Mulut dan Kejadian Gingivitis pada Anak Sekolah Dasar. *E-GiGi*, 9(1), 1-8.
- Pratiwi, R., Ratnawati, I. D., Nursyaputri, F., & Indraswary, R. (2022). The Effectiveness Of Phaleria Macrocarpa's leaf Nanoemulsion Gel On Staphylococcus Aureus Biofilm Thickness (In Vitro). In *Odonto Dental Journal*, (9), 1-11.
- Prihandini, W. Y., & Faizah, A. (2022). Perawatan Kuretase Gingiva Pada Gigi Kaninus Kanan Rahang Atas. In *Jurnal Ilmu Kedokteran Gigi*), 5(1), 1-6.

- Rahman, V. R., Bratadiredja, M. A., & Saptarini, M.Si, Apt., N. M. (2021). Artikel Review: Potensi Kolagen sebagai Bahan Aktif Sediaan Farmasi. *Majalah Farmasetika*, 6(3), 253.
- Raju, K., & Berens, L. (2021). Periodontology and pregnancy: An overview of biomedical and epidemiological evidence. In *Periodontology 2000*, 87,(1), 132–142.
- Ramadhani, Y., Rahmasari, R. R. P., Prajnasari, K. N., Alhakim, M. M., Aljunaid, M., Al-Sharani, H. M., Tantina, Juliastuti, W. S., Ridwan, R. D., & Diyatri, I. (2022). A mucoadhesive gingival patch with Epigallocatechin-3-gallate green tea (*Camellia sinensis*) as an alternative adjunct therapy for periodontal disease: A narrative review. In *Dental Journal*, 55(2), 114–119.
- Ratulangi, U. S., Karamoy, D., Pangemanan, D. H. C., Mintjelungan, C. N., Khoman, J., Studi, P., Dokter, P., Fakultas Kedokteran, G., Fisiologi, B., Kedokteran, F., Sam, U., & Manado, R. (2019). *Perbedaan Intensitas Nyeri Saat Tindakan Skeling Ultrasonik Berdasarkan Kriteria OHI-S di RSGM*. Jurnal e-Gigi (eG), 7(2), 1-5.
- Riyanto, A., Studi, P., Masyarakat, K., Tinggi, S., Kesehatan, I., Achmad, J., Cimahi, Y., Barat, J., & Penulis, K. (2021). Hubungan Restorasi Keliru, Karies Sekitar Gusi, Tumpukan Sisa Makanan, dan Crowded dengan Gingivitis pada Anak Sekolah Dasar. *Media Publikasi Promosi Kesehatan Indonesia The Indonesian Journal of Health Promotion*, 4(3), 1-7.
- Rohmawati, N., Dyah Puspita Santik, Y., Ilmu Kesehatan Masyarakat, J., Ilmu Keolahragaan, F., & Negeri Semarang, U. (2019). Status Penyakit Periodontal pada Pria Perokok Dewasa. *Higeia Journal Of Public Health Research And Development*. 3(2), 1-12.
- Romadhona, W. R., Prahasanti, C., & Kurnia, S. (2022). *Viability Test Of Fish Scales Collagen Gourami (Osphronemus Goramy) On Human Gingival Fibroblasts Cells*. *Journal Of Scrte*, 6(1), 1-7.
- Romasco, T., Mandrillo, P. M., Morsut, E., Tumedei, M., Mandatori, D., Petrini, M., Curia, M. C., De Angelis, F., D’Arcangelo, C., Piattelli, A., & Di Pietro, N. (2023). Morpho-Functional Effect of a New Collagen-Based Medical Device on Human Gingival Fibroblasts: An In Vitro Study. *Biomedicines*, 11(3), 1-16.
- Sakharam, P., & Bhausahab, R. S. M. (2023). Role of Proteomic Biomarkers in Periodontal Diseases-A Review. *Journal of Dental Sciences*, 1-7.
- Sapra, A., Adam Koller, A., & Sapra Affiliations, A. (2023). *Anatomy, Head and Neck, Oral Gingiva*. 1-6.
- Shankar, S., Nayak, R., Mohanty, R., Mohanty, G., Panda, S., & Das, A. (2020). Chairside diagnostic aids in periodontics: A review. *Journal of Forensic Medicine and Toxicology*, 14(4), 8556–8564.

- Shenoy, M., Abdul, N. S., Qamar, Z., Bahri, B. M. Al, Al Ghalayini, K. Z. K., & Kakti, A. (2022). Collagen Structure, Synthesis, and Its Applications: A Systematic Review. *Cureus*, 1-7.
- Shofiah, I., & Diah, D. (2022). Pengaruh Kitosan Udang Kombinasi Kolagen Gurame Terhadap Ketebalan Epitel Gingivitis. *E-Prodenta Journal of Dentistry*, 6(1), 547–555.
- Singh, D., Rai, V., & K Agrawal, D. (2023). Regulation of Collagen I and Collagen III in Tissue Injury and Regeneration. *Cardiology and Cardiovascular Medicine*, 7(1), 5-16.
- SKI. (2023). *Survei Kesehatan Indonesia Dalam Angka*, 1-965.
- Sklenarova, R., Akla, N., Latorre, M. J., Ulrichová, J., & Franková, J. (2022). Collagen as a Biomaterial for Skin and Corneal Wound Healing. In *Journal of Functional Biomaterials*, 13(4), 1-18.
- Skov, K., Oxfeldt, M., Thøgersen, R., Hansen, M., & Bertram, H. C. (2019). Enzymatic hydrolysis of a collagen hydrolysate enhances postprandial absorption rate—a randomized controlled trial. *Nutrients*, 11(5), 1-13.
- Soares, C. L. R., Wilairatana, P., Silva, L. R., Moreira, P. S., Vilar Barbosa, N. M. M., da Silva, P. R., Coutinho, H. D. M., de Menezes, I. R. A., & Felipe, C. F. B. (2023). Biochemical aspects of the inflammatory process: A narrative review. In *Biomedicine and Pharmacotherapy*, (168), 1-11.
- Steffensen, L. B., Stubbe, J., Lindholt, J. S., Beck, H. C., Overgaard, M., Bloksgaard, M., Genovese, F., Holm Nielsen, S., Tha, M. L. T., Bang-Moeller, S. K., Hong Lin, M. K. T., Larsen, J. H., Hansen, D. R., Jones, G. T., Bown, M. J., Karsdal, M. A., & Rasmussen, L. M. (2021). Basement membrane collagen IV deficiency promotes abdominal aortic aneurysm formation, 11(1), 1-114.
- Subagja, Dosi Ahmad Yani, & Neliana. (2022). Pengaruh Gel Kolagen Sisik Ikan Kakap Merah (*Lutjanus russellii*) Terhadap Penyembuhan Luka Bakar Pada Tikus Putih Jantan (*Rattus norvegicus*). *Jurnal Ilmiah Indonesia*, 7(4)
- Sunarjo, L., Haida Yuliana Siregar, I., & Keperawatan Gigi Poltekkes Kemenkes Semarang, J. (2019). Peranan Pengolesan Pasta Kulit Manggis Terhadap Pembentukan Jaringan Ikat Kolagen Dalam Kesembuhan Ulkus Mukosa Mulut. *Jurnal Kesehatan Gigi*, (6), 56–62.
- Suryana, & Budi, Asmawati. , Fathiah. ,Suhikma Sofyan. ,Muhammad A. S. Jumain. ,Dian Setiawati. ,Erwin. , A. I. Djais. , S. Sulistiani. ,Sulastrianah,. (2023). Periodonsia, 113.
- Syahriel, D., & Dewi Haryani, I. (2020). Gambaran Status Kebersihan Gigi Dan Mulut Serta Kebutuhan Perawatan Periodontal Pada Remaja Yang Mengonsumsi Alkohol. *Jurnal Bakti Saraswati*, 9(2).
- Tripathi, P., Puri, K., Kumar, A., Khatri, M., Bansal, M., & Rehan, Mohd. (2021). Comparison of two different probing systems for evaluation of bleeding on

- probing (BOP). *IP International Journal of Periodontology and Implantology*, 6(3), 157–160.
- Uraz, A., Karaduman, B., Isler, S. Ç., Gönen, S., & Çetiner, D. (2019). Ozone application as adjunctive therapy in chronic periodontitis: Clinical, microbiological and biochemical aspects. *Journal of Dental Sciences*, 14(1), 27–37.
- Wang, C., Fan, M., Heo, S.-J., Adams, S. M., Li, T., Liu, Y., Li, Q., Loebel, C., Alisafaei, F., Burdick, J. A., Lu, X. L., Birk, D. E., Mauck, R. L., & Han, L. (2024). *Structure-Mechanics Principles and Mechanobiology of Fibrocartilage Pericellular Matrix: A Pivotal Role of Type V Collagen*, 1-34.
- Wang, H. (2021). A review of the effects of collagen treatment in clinical studies. In *Polymers*, 13 (22), 1-21.
- Widjaja, A., Syaify, A., & Hendrawati. (2023). Tumor Necrosis Factor-Alpha A Potential Therapeutic Target For Periodontitis And Diabetes Mellitus. *Interdental Jurnal Kedokteran Gigi (IJKG)*, 19(2), 148–157.
- Wijaksana, K. E. (2019). Periodontal Chart Dan Periodontal Risk Assessment Sebagai Bahan Evaluasi Dan Edukasi Pasien Dengan Penyakit Periodontal. *Jurnal Kesehatan Gigi*, 6, 19–25.
- Wijayanti, D. A., Herawati, D., Karina, V. M., & Murdiastuti, K. (2024). Chitosan Collagen Hydrogel: a Potential Scaffold Biomaterial for Periodontal Regenerative. *Interdental Jurnal Kedokteran Gigi (IJKG)*, 20(1), 124–132.
- Yuniawati, F., Andriani, I., Hartanti, H., Cahyo, G. H., & Lestari, C. (2023). Edukasi Kesehatan Gigi dan Mulut pada Kegiatan Pengabdian Masyarakat Kelurahan Lubuk Minturun Kota Padang. *Jurnal Kreativitas Pengabdian Kepada Masyarakat*, 6(8), 3159–3167.
- Zalewska, E. A., Ławicka, R., Grygorczuk, P., Nowosielska, M., Kicman, A., & Ławicki, S. (2024). Importance of Metalloproteinase 8 (MMP-8) in the Diagnosis of Periodontitis. In *International Journal of Molecular Sciences*, 25(5), 1-15.
- Zhang, B., He, Y., Liu, J., Shang, J., Chen, C., Wang, T., Chen, M., Li, Y., Gong, G., Fang, J., Zhao, Z., & Guo, J. (2023). Advancing collagen-based biomaterials for oral and craniofacial tissue regeneration. In *Collagen and leather*, 5(1), 1-20.
- Zhang, Q., Wang, P., Fang, X., Lin, F., Fang, J., & Xiong, C. (2022). Collagen gel contraction assays: From modelling wound healing to quantifying cellular interactions with three-dimensional extracellular matrices. *European Journal of Cell Biology*, 101(3).
- Zhang, Y., Schluter, J., Zhang, L., Cao, X., Jenq, R. R., Feng, H., Haines, J., & Zhang, L. (2024). Review and Revamp of Compositional Data Transformation; A new Framework Combining Proportion Conversion and Contrast Transformation. *Computational and Structural Biotechnology Journal*, 1-30.

Zhang, Y., Wang, Y., Li, Y., Yang, Y., Jin, M., Lin, X., Zhuang, Z., Guo, K., Zhang, T., & Tan, W. (2023). Application of Collagen-Based Hydrogel in Skin Wound Healing. In *Gels*, 9(3), 1-20.

Zubardiah, L. (2023). *Periodontologi: Anatomis, Histologi dan Klinis periodonsium* (1st ed.). Uwais Inspirasi Indonesia.

