DAFTAR PUSTAKA

Abduh, M.Y., Adam, A., Fadhlullah, M., Putra, R.E., & Manurung, R. (2020) 'Production of propolis and honey from Tetragonula laeviceps cultivated in Modular Tetragonula Hives', Heliyon, 6(11).

Agussalim, Sabir, A., Sahlan, M., & Agus, A. (2023) 'Evaluation of stingless bee honey quality (Tetragonula laeviceps) based on their physicochemical from different origins', Biodiversitas, 24(4), pp. 2134–2142.

Aisyah, S., Gumelar, A. S., Maulana, M. S., & Amalia, R. A. H. T. (2023). Identifikasi Karakteristik Hewan Vertebrata Mamalia Tikus Putih (Rattus norvegicus) Berdasarkan Morfologi dan Anatominya. *PROSIDING SEMINAR NASIONAL BIOLOGI 5*, *3*(1).

Alizadeh, A.M., Sohanaki, H., Khaniki, M., Mohaghgheghi, M.A., Ghmami, G., & Mosavi, M. (2011) 'The Effect of *Teucrium polium* Honey on the Wound Healing and Tensile Strength in Rat', Iranian Journal of Basic Medical Sciences, 14(6), pp. 499–505.

Amfotis, M. L., Suarni, N. M. R., & Arpiwi, N. L. 2022. Penyembuhan Luka Sayat Pada Kulit Tikus Putih (Rattus norvegicus) yang Diberi Ekstrak Daun Kirinyuh (Chromolaena odorata), Metamorfosa: Journal of Biological Sciences. 9(1): 139-151.

Bokti, S.B.K. and Saputri, F.A. (2018) 'ARTIKEL REVIEW: FORMULASI DAN EVALUASI SEDIAAN GEL DARI EKSTRAK SELEDRI Apium graveolens. Linn. SEBAGAI ANTI-INFLAMASI', *Farmaka*, 16(1), pp. 63–71.

Cahyadi, M.A., Sidharta, B.B.R. and To'bungan, N. (2019) 'Karakteristik dan Efektivitas Salep Madu Klanceng dari Lebah Trigona sp. sebagai Antibakteri dan Penyembuh Luka Sayat', *Biota*, 4(3), pp. 104–109.

Crane, E. and Visscher, P.K. (2009) 'Honey', Encyclopedia of Insencts. Second Edition. Edited by V.H. Resh and R.T. Cardé. London: Elsevier.

Danaraddi, C. S., Viraktamath, S., Basavanagoud, K., & Bhat, A. R. S. (2009). Nesting habits and nest structure of stingless bee, Trigona iridipennis Smith at Dharwad, Karnataka. *Karnataka J. Agric. Sci*, *22*(2), 310–313.

Efin, A., Atmowidi, T. and Prawasti, T.S. (2019) 'Short communication: Morphological characteristics and morphometric of stingless bee (apidae: Hymenoptera) from Banten Province, Indonesia', *Biodiversitas*, 20(6), pp. 1693–1698.

Eteraf-Oskouei, T. and Najafi, M. (2013) 'Traditional and Modern Uses of Natural Honey in Human Diseases: A Review', Iranian Journal of Basic Medical Sciences,16, pp. 731–742.

Evahelda, E., Pratama, F., Malahayati, N., & Santoso, B. (2017) 'Sifat Fisik dan Kimia Madu dari Nektar Pohon Karet di Kabupaten Bangka Tengah, Indonesia', Agritech, 37(4), pp. 363–368.

Garedew, A., Schmolz, E., dan Lamprecht, I. 2003. The antimicrobial activity of honey of the stingless bee *Trigona*spp. *Journal of Apicultural Science*47(1): 37-48.

Ghomi, E.R., Shahla, K., Khorasani, S.N., Neisiany, R.E., & Ramakrishna, S. (2019) 'Wound dressings: Current advances and future directions', *Journal of Applied Polymer Science*. John Wiley and Sons Inc., pp. 1–12.

Guo, S. and DiPietro, L.A. (2010) 'Critical review in oral biology & medicine: Factors affecting wound healing', *Journal of Dental Research*, 89(3), pp. 219–229.

Husnani and Muazham, M.F. Al (2017) 'Optimasi Parameter Fisik Viskositas, Daya Sebar Dan Daya Lekat Pada Basis Natrium Cmc Dan Carbopol 940 Pada Gel Madu Dengan Metode Simplex Lattice Design.', *Jurnal Ilmu Farmasi dan Farmasi Klinik*, 14(1), pp. 11–18.

Irenesia, B., Islami, P.S. and Utami, R.D. (2023) 'Efektivitas Gel Madu Hutan Akasia terhadap Jumlah Fibroblas pada Luka Sayat Tikus Putih (Rattus novergicus)', *Indonesian Journal of Pharmaceutical Education*, 3(2).

Jasmi (2023) 'Nesting Preferences of Tetragonula laeviceps (Hymenoptera: Melliponinae) Colony in West Sumatera', *Jurnal Biologi Indonesia*, 19(1), pp. 1–8.

Kartikasari, D., Muslimin, M.A.I.I. and Putri, D.F.A. (2023) 'Budidaya Lebah Klanceng di Peternakan Azka Trigona Desa Jiwut, Kabupaten Blitar', *RADIKULA: Jurnal Ilmu Pertanian*, 2(2), pp. 100–112.

Kolibu, R.K., Yamlean, P.V.Y. and Siampa, P. (2022) 'EFEKTIVITAS PENYEMBUHAN LUKA SAYAT GEL EKSTRAK ALGA TURBINARIA ORNATA PADA TIKUS PUTIH (Rattus norvegicus)', *PHARMACON*, 11(2), pp. 1445–1453.

Kujath, P. and Michelsen, A. (2008) 'Wounds – From Physiology to Wound Dressing', *Deutsches Ärzteblatt International,* 105(13), pp. 239–248.

Li, Y. R., Wang, Z. W., Yu, Z. R., & Corlett, R. T. (2021) 'Species diversity, morphometrics, and nesting biology of Chinese stingless bees (Hymenoptera, Apidae, Meliponini)', *Apidologie*, 52(6), pp. 1239–1255.

Loo, H., Goh, B., Lee, L.. & Chuah, L. (2022) 'Application of chitosan-based nanoparticles in skin wound healing', *Asian Journal of Pharmaceutical Sciences*, 17(3), pp. 299–332.

Maulina, L. and Sugihartini, N. (2015) 'FORMULASI GEL EKSTRAK ETANOL KULIT BUAH MANGGIS (Garcinia mangostana L.) DENGAN VARIASI GELLING AGENT SEBAGAI SEDIAAN LUKA BAKAR', *Pharmaçiana*, 5(1), pp. 43–52.

Mulia, V.D., Jailani, M., Rizal, S. & Jannah, G.R. (2019) 'Efektivitas Gel Madu Lokal Aceh Terhapdap Penyembuhan Luka Bakar pada Tikus Putih (*Rattus norvegicus*)', *Jurnal Bioleuser*, 3(2), pp. 28–31.

Nuraini, Trianto, M., Sukmawati, & Marisa, F. (2020) 'Diversity of Food Source and Foraging Behavior of Tetragonula laeviceps (Hymenoptera: Meliponini) in South Parigi Sub District', *BIO-EDU: Jurnal Pendidikan Biologi*, 5(3), pp. 173–184.

Nurwahda, Ramadhan, A., Budiarsa, I. M., Dhafir, F., Sutrisnawati, & Zainal, S. (2023) 'Analisis Kualitas Kimia dan Organoleptik Madu Lebah Tetragonula laeviceps serta Pemanfaatannya Sebagai Media Pembelajaran', *Journal of Biology Science and Education*, *12*(2), 25–32.

Palma-Morales, M., Huertas, J.R. and Rodríguez-Pérez, C. (2023) 'A Comprehensive Review of the Effect of Honey on Human Health', *Nutrients*, 15(3056), pp. 1–26.

Palumpun, E.F., Wiraguna, A.A.G.P. and Pangkahila, W. (2017) 'Pemberian ekstrak daun sirih (Piper betle) secara topikal meningkatkan ketebalan

epidermis, jumlah fibroblas, dan jumlah kolagen dalam proses penyembuhan luka pada tikus jantan galur Wistar (Rattus norvegicus)', *Jurnal e-Biomedik (eBm)*, 5(1), pp. 1–7.

Patel, H.K. and Pastagia, J.J. (2016) 'Morphometric variation in workers of stingless bees Tetragonula laeviceps smith in south Gujarat', *INTERNATIONAL JOURNAL OF PLANT PROTECTION*, 9(2), pp. 445–449.

Purwanto, H., Soesilohadi, R.C.H. and Trianto, M. (2022) 'Stingless bees from meliponiculture in South Kalimantan, Indonesia', *Biodiversitas*, 23(3), pp. 1254–1266.

Ranneh, Y., Akim, A.M., Hamid, H.A., Khazaai, H., Fadel, A., Zakaria, Z.A., Albujja, M., & Bakar, M.F.A. (2021) 'Honey and its nutritional and anti-inflammatory value', *BMC Complementary Medicine and Therapies,* 21(30), pp. 1–17.

Rattus norvegicus (Berkenhout, 1769) in GBIF Secretariat (2023). GBIF Backbone Taxonomy. Checklist dataset https://doi.org/10.15468/39omei accessed via GBIF.org on 2025-04-24.

Rosyid, F.N. (2022) 'Wounds: physiological mechanisms and factors affecting healing', *International Journal of Research in Medical Sciences*, 10(4), pp. 1001–1006.

Rowe R. C., Sheskey P. J., and Owen S. C. (2006) '*Handbook of Pharmaceutical Excipients'*, 5th Edition, Pharmaceutical Press, London.

Sakagami, S.F. 1978. 'Tetragonula stingless bee of the continental Asia and Sri Lanka (Hymenoptera, Apidae)', Journal of the Faculty of Science, Hokkaido University, Series VI, Zoology 21: 165-247.

Samarghandian, S., Farkhondeh, T. and Samini, F. (2017) 'Honey and health: A review of recent clinical research', *Pharmacognosy Research*, 9(2), pp. 121–127.

Sharath, T. P., Preethi, G. B., Sridhar, S., Narahari, K. v., Shrikrishna, M. N., & Lakshmi, P. N. S. (2025). Effect of Circadian Clock on Wound Healing-Day vs Night. *International Journal of Pharmacy and Pharmaceutical Research (IJPPR)*, *31*(3), 2349–7203.

Sharun, K., Banu, S. A., Mamachan, M., Subash, A., Karikalan, M., Kumar, R., Vinodhkumar, O. R., Dhama, K., Pawde, A. M., & Amarpal. (2024). Development and characterization of contraction-suppressed full-thickness skin wound model in rabbits. *Tissue and Cell*, 90.

Situmorang, G.A., Yamamoto, Z., Ichwan, M., & Prayugo, B. (2022) '*Anredera cordifolia* leaves extract accelerates the wound healing of normal and hyperglycemic rats', *Pharmaciana*, 12(1), pp. 39–48.

Suryadi, I.A., Asmarajaya, A. and Maliawan, S. (2013) 'PROSES PENYEMBUHAN DAN PENANGANAN LUKA', *E-Jurnal Medika Udayana*, 2(2), pp. 254–272.

Tatsuta, H., Takahashi, K. H., & Sakamaki, Y. (2018). Geometric morphometrics in entomology: Basics and applications. Entomological Science, 21(2), 164 184.

Tetragonula laeviceps (Smith, 1857) in GBIF Secretariat (2023). GBIF Backbone Taxonomy.

Thomas, N. A., Tungadi, R., Latif, M. S., & Sukmawati, M. E. (2023) 'Pengaruh Konsentrasi Carbopol 940 Sebagai Gelling Agent Terhadap Stabilitas Fisik Sediaan Gel Lidah Buaya (Aloe Vera)', *Indonesian Journal of Pharmaceutical Education*, 3(2).

Trianto, M., Marisa, F. and Kisman, M.D. (2020) '*Tetragonula laeviceps* (Hymenoptera: Apidae: Meliponini): Morphology, Morphometric, and Nest Structure', *BIOEDUSCIENCE*, 4(2), pp. 188–194.

Wulandri, D.D. (2017) 'KUALITAS MADU (KEASAMAN, KADAR AIR, DAN KADAR GULA PEREDUKSI) BERDASARKAN PERBEDAAN SUHU PENYIMPANAN', *Jurnal Kimia Riset*, 2(1), pp. 16–22.

Zahra, N. N., Muliasari, H., Andayani, Y., & Sudarma, I. M. (2021). KARAKTERISTIK FISIKOKIMIA EKSTRAK MADU DAN PROPOLIS TRIGONA SP. ASAL LOMBOK UTARA Article Information. *Jurnal AGROTEK UMMAT*, *8*(1).