

DAFTAR PUSTAKA

- Agussalim, Umami, N., Nurliyani, & Agus, A. (2022). Stingless bee honey (*Tetragonula laeviceps*): Chemical composition and their potential roles as an immunomodulator in malnourished rats. *Saudi Journal of Biological Sciences*, 29(10), 103404. <https://doi.org/10.1016/j.sjbs.2022.103404>
- Alissandrakis, E., Tarantilis, P. A., Harizanis, P. C., & Polissiou, M. (2007). Comparison of the Volatile Composition in Thyme Honeys from Several Origins in Greece. *Journal of Agricultural and Food Chemistry*, 55(20), 8152–8157. <https://doi.org/10.1021/jf071442y>
- Bankova, V. S., De Castro, S. L., & Marcucci, M. C. (2000). Propolis: Recent advances in chemistry and plant origin. *Apidologie*, 31(1), 3–15. <https://doi.org/10.1051/apido:2000102>
- BMKG. (2025a). *Direktorat Data dan Komputasi BMKG*. <https://dataonline.bmkg.go.id/dataonline-home>
- BMKG. (2025b). *Iklim Tropis*. <https://gaw-bariri.bmkg.go.id/index.php/karya-tulis-dan-artikel/gawsarium/249-iklim-tropis>
- Bogdanov, S. (2009). *The Book of Honey*. Bee Product Science. https://www.bee-hexagon.net/files/file/fileE/The_Book_of_Honey.pdf
- BSN. (2024). *SNI 8664:2024*. <https://pesta.bsn.go.id/produk/detail/86642024-sni8664:2024>
- Cuevas-Glory, L. F., Pino, J. A., Santiago, L. S., & Sauri-Duch, E. (2007). A review of volatile analytical methods for determining the botanical origin of honey. *Food Chemistry*, 103(3), 1032–1043. <https://doi.org/10.1016/j.foodchem.2006.07.068>
- Escuredo, O., & Seijo, M. C. (2019). Honey: Chemical Composition, Stability and Authenticity. *Foods*, 8(11), 577. <https://doi.org/10.3390/foods8110577>
- GBIF. (2026). *Tetragonula laeviceps* (Smith, 1857). <https://www.gbif.org/species/1344554>
- Jerković, I., Marijanović, Z., Kezić, J., & Gugić, M. (2009). Headspace, Volatile and Semi-Volatile Organic Compounds Diversity and Radical

- Scavenging Activity of Ultrasonic Solvent Extracts from *Amorpha fruticosa* Honey Samples. *Molecules*, 14(8), 2717–2728. <https://doi.org/10.3390/molecules14082717>
- Leonhardt, S. D., Heard, T. A., & Wallace, H. (2014). Differences in the resource intake of two sympatric Australian stingless bee species. *Apidologie*, 45(4), 514–527. <https://doi.org/10.1007/s13592-013-0266-x>
- Malau, L. R. E., Rambe, K. R., Ulya, N. A., & Purba, A. G. (2023). DAMPAK PERUBAHAN IKLIM TERHADAP PRODUKSI TANAMAN PANGAN DI INDONESIA. *Jurnal Penelitian Pertanian Terapan*, 23(1), 34–46. <https://doi.org/10.25181/jppt.v23i1.2418>
- Manyi-Loh, C. E., Ndip, R. N., & Clarke, A. M. (2011). Volatile Compounds in Honey: A Review on Their Involvement in Aroma, Botanical Origin Determination and Potential Biomedical Activities. *International Journal of Molecular Sciences*, 12(12), 9514–9532. <https://doi.org/10.3390/ijms12129514>
- Muhtadiin, A., Arifin, Y. F., & Achmad, B. (2025). ANALISIS PENGARUH IKLIM MIKRO TERHADAP AKTIVITAS LEBAH KELULUT (*Trigona* sp.) DI PESANTREN MIFTAHUL ULUM TABALONG. *Jurnal Sylva Scientiae*, 8(5), 785. <https://doi.org/10.20527/jss.v8i5.17171>
- Nicolson, S. W., Nepi, M., & Pacini, E. (2007). *Nectaries and nectar*. Springer.
- Oktaweni, F., Sutikno, S., & Sudaryadi, I. (2022). *Pollen Diversity and Propolis's Bioactive Compounds of Stingless Bees (Tetragonula laeviceps, Smith 1857) From Kedungpoh Meliponiculture, Gunungkidul, Yogyakarta.*: 7th International Conference on Biological Science (ICBS 2021). <https://doi.org/10.2991/absr.k.220406.048>
- Pramono, I. E., & Sudaryadi, I. (2022a). Daily activities of the Klanceng bee (*Tetragonula laeviceps*, Smith 1857) and bee-pollen feed diversity and composition of propolis bioactive compounds from Turi, Sleman, Yogyakarta. *Biogenesis: Jurnal Ilmiah Biologi*, 10(2), 225–235. <https://doi.org/10.24252/bio.v10i2.31576>

- Pramono, I. E., & Sudaryadi, I. (2022b). Daily activities of the Klanceng bee (*Tetragonula laeviceps*, Smith 1857) and bee-pollen feed diversity and composition of propolis bioactive compounds from Turi, Sleman, Yogyakarta. *Biogenesis: Jurnal Ilmiah Biologi*, 10(2), 225–235. <https://doi.org/10.24252/bio.v10i2.31576>
- Radovic, B. S., Careri, M., Mangia, A., Musci, M., Gerboles, M., & Anklam, E. (2001). Contribution of dynamic headspace GC–MS analysis of aroma compounds to authenticity testing of honey. *Food Chemistry*, 72(4), 511–520. [https://doi.org/10.1016/S0308-8146\(00\)00263-6](https://doi.org/10.1016/S0308-8146(00)00263-6)
- Rasmussen, C. (2008). Catalog of the Indo-Malayan/Australasian stingless bees (Hymenoptera: Apidae: Meliponini). *Zootaxa*, 1935(1). <https://doi.org/10.11646/zootaxa.1935.1.1>
- Rasmussen, C. (2013). Stingless bees (Hymenoptera: Apidae: Meliponini) of the Indian subcontinent: Diversity, taxonomy and current status of knowledge. *Zootaxa*, 3647(3). <https://doi.org/10.11646/zootaxa.3647.3.1>
- Rosmarlinasiah, R. (2023). ANALISIS KUALITAS MADU *Tetragonula biroi* DAN *Tetragonula sapiens* ASAL KECAMATAN WAWONII BARAT KABUPATEN KONAWE KEPULAUAN. *Jurnal Celebica : Jurnal Kehutanan Indonesia*, 4(1), 63–70. <https://doi.org/10.33772/jc.v4i1.10>
- Rudini, M., Monita, D. N. K., Kuswanto, E., & Listiana, I. (2024). Identifikasi Jenis Dan Karakteristik Sarang Lebah Madu Tanpa Sengat (Stingless Bee) Di Peternakan Lebah Simpur Desa Kecapi. *Biospecies*, 17(1), 56–64. <https://doi.org/10.22437/biospecies.v17i1.31362>
- Sakagami, S. F. (1978). *Tetragonula* stingless bees of continental Asia and Sri Lanka. *Journal of the Faculty of Science, Hokkaido University, Series VI, Zoology*, 21(2), 165–247. Hokkaido University Institutional Repository.
- Souza, B. A., Roubik, D. W., Barth, O. M., Heard, T. A., Enríquez, E., Carvalho, C. A. L., Villas-Bôas, J. K., Marchini, L. C., Locatelli, J., Persano-Oddo, L., & Almeida-Muradian, L. B. (2006). Composition of

stingless bee honey: Setting quality standards. *Apidologie*, 31(12), 868–875.

- Srinivasan, A., Maruthavanan, T., Mayildurai, R., & Ramasubbu, A. (2021). GC–MS investigations of VOCs in South Indian honey samples as environmental biomarkers. *Environmental Monitoring and Assessment*, 193(8), 539. <https://doi.org/10.1007/s10661-021-09302-9>
- Suhri, A. G. M. I., & Bahar, I. (2023). Water Content of Stingless Bee Honey Varies by Season. *Jurnal Biologi Tropis*, 23(2), 16–22. <https://doi.org/10.29303/jbt.v23i2.4651>
- Suhri, A. G. M. I., Retnoaji, B., Mustamin, Y., & Kahono, S. (2024). Daily Activity and Honey Production Patterns of *Tetragonula laeviceps* Smith (Hymenoptera: Apidae) During the Wet and Dry Seasons. *Journal of Tropical Biodiversity and Biotechnology*, 9(4), 84083. <https://doi.org/10.22146/jtbb.84083>
- Trianto, M., Fajri Marisa, & Moh Dahri Kisman. (2020). *Tetragonula laeviceps* (Hymenoptera: Apidae: Meliponini): Morphology, Morphometric, and Nest Structure. *BIOEDUSCIENCE*, 4(2), 188–194. <https://doi.org/10.22236/j.bes/424924>
- Vit, P., Chuttong, B., Ramírez-Arriaga, E., Enríquez, E., Wang, Z., Cervancia, C., Vossler, F., Kimoloi, S., Engel, M. S., Contreras, R. R., Mduda, C. A., & Tomás-Barberán, F. (2025). Stingless bee honey: Nutraceutical properties and urgent call for proposed global standards. *Trends in Food Science & Technology*, 157, 104844. <https://doi.org/10.1016/j.tifs.2024.104844>