

## BIBLIOGRAPHY

- Abduh, M., Adam, A., Fadhlullah, M., Putra, R. and Manurung, R., 2020. Production of propolis and honey from *Tetragonula laeviceps* cultivated in Modular Tetragonula Hives. *Heliyon*, 6(11), p.e05405.
- Agroforestree. 1978. *Crotalaria juncea*.  
[https://apps.worldagroforestry.org/treedb/AFTPDFS/Crotalaria\\_juncea.PDF](https://apps.worldagroforestry.org/treedb/AFTPDFS/Crotalaria_juncea.PDF).
- Agussalim, A.A., N. Umami., dan I.G.S. Budisatria. 2017. Variasi Jenis Tanaman Pakan Lebah Madu Sumber Nektar dan Polen Berdasarkan Ketinggian Tempat di Yogyakarta. *Buletin Peternakan*.41(4) :448-460.
- Agus, A., Agussalim, A., Umami, N. and Budisatria, I., 2019. Effect of Different Beehives Size and Daily Activity of Stingless Bee *Tetragonula Laeviceps* on Bee-Pollen Production. *Buletin Peternakan*, 43(4).
- Amalia, E., Diantini, A. and Subarnas, A., 2020. Water-soluble propolis and bee pollen of *Tetragonula* spp. from South Sulawesi Indonesia induce apoptosis in the human breast cancer MCF-7 cell line. *Oncology Letters*, 20(5), pp.1-1.
- Bonney, R. E. 2012. *Beekeeping: A Practical Guide*. Storey Publishing. The USA. pp: 50.
- Caron, D.M., and L.J. Connor. 2013. *Honey Bee Biology and Beekeeping*. Wicas Press. pp: 139.
- Dantas, MRT. 2016. Thermogenesis in stingless bees: an approach with emphasis on brood's thermal contribution. *J Anim Behav Biometeorol*. Vol 4(4). p.101-108
- Flottum, K. 2009. *The Backyard Beekeeper's Honey Handbook: A Guide to Creating, Harvesting, and Cooking with Natural Honeys*. Quarry Books. The USA. pp: 55.
- Gadhiya VC & Pastagiya J. 2015. FLOWERS VISITED BY STINGLESS BEES, *Tetragonula laeviceps* Sith. *AGRES – An International e-Journal*. Vol. 4(4). p: 323-330. ISSN 2277-9663.
- Guntoro, Y.P. 2013. *Aktivitas dan Produktivitas Lebah Trigona laeviceps di Kebun Polikultur dan Monokultur Pala (Myristica fragrans)*. [Skripsi].

Departemen Ilmu Produksi dan Teknologi Peternakan Fakultas Peternakan. Institut Pertanian Bogor.

- Harrison, Jon & Kaiser, Alexander & Vandenbrooks, John. (2010). Atmospheric oxygen level and the evolution of insect size. *Proceedings. Biological sciences / The Royal Society*. 277. 1937-46. 10.1098/rspb.2010.0001.
- Horst, L. van der (2013) Flower and cone, Afzender.
- JANNAH, W., 2022. AKTIVITAS TERBANG DAN MUSUH ALAMI *Tetragonula laeviceps* (Smith, 1857) SERTA PEMANFAATANNYA SEBAGAI MEDIA PEMBELAJARAN | Perpustakaan FKIP UNTAD. *Jurnal Entomologi Indonesia*, 14(3), p.117.
- Kofi, Kwamong & K, Aidoo & Combey, Rofela & Karikari, Afia. (2010). *Stingless Bees: Importance, Management and Utilisation: A Training Manual for Stingless Bee Keeping*.
- Mackenzie, A. 2011. *Beekeeping: A Step-by-Step Guide to Setting Up and Maintaining a Hive*. Hobbie Creek Press. An Imprint of Cedar Fort, Inc. pp: 129.
- Nuraini, Trianti 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*. [https://DOI 10.32938/jbe.v5i3.735](https://doi.org/10.32938/jbe.v5i3.735).
- Penberthy TM, Dillon MK, Chen X, and Donaldson-Matasci MC. 2023. Honey bee foraging density depends on plant size. *Animal Behaviour*. Vol. 206. P: 39-51. <https://doi.org/10.1016/j.anbehav.2023.09.008>.
- Rachmawati, R.D. et al. (2022) 'Diversity, distribution, and nest characteristics of stingless bees (Hymenoptera: Meliponini) in Baluran National Park, East Java, Indonesia', *Biodiversitas Journal of Biological Diversity*, 23(8). doi:10.13057/biodiv/d230805.
- Rasmussen, C., Thomas, J.C. and Engel, M.S. (2017) 'A new genus of Eastern Hemisphere stingless bees (Hymenoptera: Apidae), with a key to the supraspecific groups of Indomalayan and Australasian Meliponini', *American Museum Novitates*, 3888(3888), pp. 1-33. doi:10.1206/3888.1.
- Roberts, AC. 1939. *Crotalaria*. *American Bee Journal*. Vol 79(84).
- Ruslan, Wahiba, Afriani, Miswan, Elijonahdi, Nurdiyah, Sataral, Fitralisan and Fahri. 2015. Frekuensi Kunjungan Lebah *Apis cerana* dan *Trigona* sp. Sebagai Penyerbuk pada Tanaman *Brassica rapa*. *Journal of Natural Science*. 4(1) : 65-72.
- Sakagami S. 1978. *Tetragonula* Stingless Bees of Continental Asia and Sri Lanka

(Hymenoptera, Apidae) (With 124 text figures, 1 Plate, and 36 Tables). 北海道大學理學部紀要. Vol 21(2). P:165-247.

- Sauther R, Price RI, and Gruter C. 2017. Worker size in honeybees and its relationship with season and foraging distance. *Apidologie*. Vol 48. P: 234–246. <https://doi.org/10.1007/s13592-016-0468-0>.
- Setya Priambudi, A., Raffiudin, R. and Ratna Djuita, N., 2021. Identifikasi Tumbuhan Penghasil Polen dari Madu Lebah Tanpa Sengat di Belitung. *Jurnal Sumberdaya Hayati*, 7(1), pp.25-35.
- Shutterstock. 2022. Stingless Bee Drone *Homotrigona* *Tetrigona binghami* Stock Photo (Edit Now) 1163037817.
- Slideplayer.com. 2022. Module 6. Bees visit flowers Bees, Pollen, and Nectar. – ppt download.
- Stabentheiner A, Kovac H, and Brodschneider R. 2010. Honeybee Colony Thermoregulation – Regulatory Mechanisms and Contribution of Individuals in Dependence on Age, Location and Thermal Stress. *PLoS ONE*. Vol 5(1). doi: 10.1371/journal.pone.0008967.
- Trianto, M. and Purwanto, H., 2020. Morphological characteristics and morphometrics of Stingless Bees (Hymenoptera: Meliponini) in Yogyakarta, Indonesia. *Biodiversitas Journal of Biological Diversity*, 21(6).
- Trianto, M., Fajri Marisa and Moh Dahri Kisman, 2020. *Tetragonula laeviceps* (Hymenoptera: Apidae: Meliponini): Morphology, Morphometric, and Nest Structure. *BIOEDUSCIENCE*, 4(2), pp.188-194.
- UPOV. 2022. *INTERNATIONAL UNION FOR THE PROTECTION OF NEW VARIETIES OF PLANTS*. Geneva.
- Wallace, H.M. and D. J. Lee. 2009. Resin-foraging by Colonies of *Trigona sapiens* and *T. hockingsi* (Hymenoptera: Apidae, Meliponini) and Consequent Seed Dispersal of *Corymbia torelliana* (Myrtaceae). *Apidologie*. 41: 428 – 435.
- Witt, T., Jürgens, A. and Gottsberger, G. (2013) 'Nectar sugar composition of European Caryophylloideae (Caryophyllaceae) in relation to flower length, pollination biology and Phylogeny', *Journal of Evolutionary Biology*, 26(10), pp. 2244–2259. doi:10.1111/jeb.12224.
- Wunnachit, W., Jenner, C. and Sedgley, M., 1992. Floral and Extrafloral Nectar Production in *Anacardium occidentale* L. (Anacardiaceae): An

Andromonoecious Species. *International Journal of Plant Sciences*, 153(3, Part 1), pp.413-420.

Yustia, I., Rauf, A. and Maryana, N., 2018. Ritme aktivitas penerbangan harian *Tetragonula laeviceps* (Smith) (Hymenoptera: Apidae) di Bogor.

*Jurnal Entomologi Indonesia*, 14(3), p.117Zai, F.N. *et al.* (2023) 'Mathematical model and Dynamics Analysis of the stingless bee (*Trigona* sp.) in a colony', *Communication in Biomathematical Sciences*, 5(2), pp. 151–160. doi:10.5614/cbms.2022.5.2.4.

**ATTACHMENT**