

## DAFTAR PUSTAKA

- Arias, M.C., R.M. Brito, F.O. Fransisco, G. Moretto, F.F. De Oliveira, D. Silvestre and W.S. Sheppard. 2006. Molecular Markers as a Tool for Population and Evolutionary Studies of Stingless Bees. *Apidologie*. **37**: 259 – 274.
- Arif, I.A. and H.A. Khan. 2009. Molecular Markers for Biodiversity Analysis of Wildlife Animals: A Brief Review. *Anim. Biodivers. Conserv.* **32**: 9-17.
- Avise, J.C. 1994. *Molecular Markers, Natural History and Evolution*. Chapman and Hall. New York.
- Bashasab, F. Vijaykumar, K.B. Kambalpally, B.V. Patil and M.S. Kuruvinashetti. 2006. DNA-Based Marker Systems and Their Utility in Entomology. *Entomologica Fennica*. **17**.
- Barley, A.J., J. White, A.C. Diesmos and R.M. Brown. 2013. The Challenge of Species Delimitation at the Extremes: Diversification Without Morphological Change in Philippine Sun Skinks. *Evolution*. **67-12**: 3556–3572.
- Cameron, S.A. and P. Mardulyn. 2001. Multiple Molecular Data Sets Suggest Independent Origins of Highly Eusocial Behavior in Bees (Hymenoptera: Apinae). *Systematic Biology*. **50**: 194-214.
- Castresana, J. 2001. Cytochrome b Phylogeny and Taxonomy of Great Apes and Mammals. *Mol Biol. Evol.* **18** (4): 465–471.
- Clary, D.O. and D.R. Wolstenholme. 1985. The Mitochondrial DNA Molecule of *Drosophila yakuba*: Nucleotide Sequence, Gene Organization, and Genetic Code. *Journal of Molecular Evolution*. **22**: 252-271.
- Cortopassi-Laurino, M.V.L. Imperatriz-Fonseca, D.W. Roubik, A. Dollin, T. Heard, I. Aguilar, G.C. Venturieri, C. Eardley and P. Nogueira-Neto. 2006. Global Meliponiculture: Challenges and Opportunities. *Apidologies*. **37** (2): 275-292.
- Costa, M.A., M.A. Del Lama, G.A.R. Melo and W.S. Sheppard. 2003. Molecular Phylogeny of the Stingless Bees (Apidae, Apinae, Meliponini) Inferred from Mitochondrial 16S rDNA Sequences. *Apidologie*. **34**: 73-84.
- Crozier, R.H. and Y.C. Crozier. 1992. The Cytochrome *b* and ATPase Genes of Honeybee Mitochondrial DNA. *Mol. Bid. Ed.* **9** (3):474-482.
- Crozier, R.H. and Y.Z. Crozier. 1993. The Mitochondrial Genome of the Honeybee *Apis mellifera*: Complete Sequence and Genome Organization. *Genetics*. **133**: 97-117.
- Derkarabetian, S., J. Ledford and M. Hedin. 2011. Genetic diversification Without Obvious Genitalic Morphological Divergence in Harvestmen (*Opiliones*, *Laniatores*, *Sclerobunus robustus*) from Montane Sky Islands of Western North America. *Molecular Phylogenetics and Evolution*. **61**: 844 – 853.

- Dillon, M.E., M.R. Frazier and R. Dudley. 2006. Into Thin Air: Physiology and Evolution of Alpine Insects. *Integrative and Comparative Biology*. **46** (1): 49 – 61.
- Dowton, M. and A.D. Austin. 1994. Molecular Phylogeny of the Insect Order Hymenoptera: Apocritan Relationships. *Proc. Natl. Acad. Sci. USA*. **91**: 9911-9915.
- Engel, M.S., C. D. Michener and Y. Boontop. 2017. Notes on Southeast Asian Stingless Bees of the Genus *Tetragonula* (Hymenoptera: Apidae), with the Description of a New Species from Thailand. *American Museum Novitates*. No. 3886, 17 p.
- Escalante, A.A., E.E. Freeland, E.W. Collins and A.A. Lal. 1998. The Evolution of Primate Malaria Parasites Based on the Gene Cytochrome b from the Linear Mitochondrial Genome. *Proc. Natl. Acad. Sci. USA*. **95**: 8124-8129.
- Foerstner, K.U., C. von Mering, S.D. Hoper and P. Bork. 2005. Environments Shape the Nucleotide Composition of Genomes. *European Molecular Biology Organization Report*. **6** (12).
- Hall, T.A. 1999. BioEdit: A User-Friendly Biological Sequence Alignment Editor and Analysis Program for Windows 95/98/NT. *Nucl. Acids. Symp. Ser.* **41**: 95-98.
- Hall, B.G. 2013. Building Phylogenetic Trees from Molecular Data with MEGA. *Mol. Biol. Evol.* **30** (5): 1229–1235.
- Halcroft, M., R. Spooner-Hart and A. Dollin. 2013. Australian Stingless Bees. In: *Pot-Honey: a Legacy of Stingless Bees*. Vit, P., S.R.M. Pedro and D.W. Roubik (eds). Springer, New York. Chapter 3, pp 35-72.
- Hemming, D. 2012. *Animal Science Reviews*. CABI. North America.
- Kambhampati, S. 1995 A Phylogeny of Cockroaches and Related Insects Based on DNA Sequence of Mitochondrial Ribosomal RNA Genes. *Proc. Natl. Acad. Sci. USA*. **92**: 2017–2020.
- Kawakita, A., J.S. Ascher, T. Sota, M. Kato, D.W. Roubik. 2008. Phylogenetic Analysis of the Corbiculate Bee Tribes Based on 12 Nuclear Protein-Coding Genes (Hymenoptera: Apoidea: Apidae). *Apidologie*. **39**: 163-175.
- Koch, H. 2010. Combining Morphology and DNA Barcoding Resolves the Taxonomy of Western Malagasy *Liotrigona* Moure, 1961 (Hymenoptera: Apidae: Meliponini). *African Invertebrates*. **51** (2): 413–421.
- Koulianou, S. and P. Schmid-Hempel. 2000. Phylogenetic Relationship among Bumble Bees (*Bombus*, Latreille) Inferred from Mitochondrial Cytochrome b and Cytochrome Oxidase I Sequences. *Molecular Phylogenetic and Evolution*. **14** (3): 335-341.
- Larkin, M.A., G. Blackshields, N.P. Brown, R. Chenna, P.A. McGettigan, H. McWilliam, F. Valentin, I.M. Wallace, A. Wilm, R. Lopez, J.D. Thompson,

- T.J. Gibson, D.G. Higgins. 2007. Clustal W and Clustal X version 2.0. *Bioinformatics*. **23**: 2947-2948.
- Liu, H. 1993. Molecular Evolution Among Several Orders of Insects Based on Mitochondrial DNA Analysis. Thesis Doctor of Philosophy. Department of Biological Sciences. Simon Fraser University.
- Lockhart, P.J. and S.A. Cameron. 2001. Trees for Bees. *Trends in Ecology and Evolution*. **16**: 84-88.
- Mandal, S.D., L. Chhakchhuak, G. Gurusubramanian and N.S. Kumar. 2014. Mitochondrial Markers for Identification and Phylogenetic Studies in Insects - A Review. *DNA Barcodes*. **2**: 1–9.
- Michener, C.D. 1990. Classification of the Apidae (Hymenoptera). Appendix: *Trigona genalis* Friese, a hitherto unplaced New Guinea species. *University of Kansas Science Bulletin*. **54**: 75-164.
- Michener, C.D. 2007. *The Bees of the World 2<sup>nd</sup> Edition*. John Hopkins University Press. Baltimore.
- Ming, Q., J. Shen, C. Cheng and Z. Feng. 2015. Genetic Relationships Between *Tribolium castaneum* and *T. confusum* Based on Mitochondrial DNA Sequences. *Pakistan J. Zool.* **47** (5): 1405 – 1412.
- Moure, J.S. 1961. A Preliminary Supra-spesific Classification of the Old World Meliponine Bees (Hymenoptera, Apoidea). *Studia Entomologica*. **4**: 181 – 242.
- Moure, J.S., D. Urban and G.A.R. Melo. 2007. Catalogue of Bees (Hymenoptera, Apoidea) in the Neotropical Region. *Sociedade Brasiliense de Entomologia*. Curitiba.
- Myers, P., R. Espinosa, C.S. Parr, T. Jones, G.S. Hammond and T.A. Dewey. 2017. The Animal Diversity Web (online). <http://animaldiversity.org>, diakses tanggal 17 Januari 2017.
- O'Toole, C. and A. Raw. 1991. *Bees of the World*. Blandford. London.
- Patwardhan, A., S. Ray and A. Roy. 2014. Molecular Markers in Phylogenetic Studies-A Review. *J Phylogen Evolution Biol*. **2**: 2.
- Pereboom, J.J.M. and J.C. Besmeijer. 2003. Thermal Constraints for Stingless Bee Foragers: the Importance of Body Size and Coloration. *Oecologia*. **137**: 42-50.
- Putri, N.K.T.A.E. 2015. Variasi Gen *Cytochrome Oxidase I* (COI) Pada *Apis andreniformis* dan *Apis dorsata*. Skripsi Sarjana Sains. Departemen Biologi. Fakultas Matematika dan Ilmu Pengetahuan Alam. Institut Pertanian Bogor. Bogor.
- Ramirez, S.R., J.C. Nieh, T.B. Quental, D.W. Roubik, V.L. Imperatriz-Fonseca and N.E. Pierce. 2010. A Molecular Phylogeny of the Stingless Bee Genus

- Melipona* (Hymenoptera: Apidae). *Molecular Phylogenetics and Evolution.* **56**: 519-525.
- Rasmussen, C. and S.A. Cameron. 2007. A Molecular Phylogeny of the Old World Stingless Bees (Hymenoptera: Apidae: Meliponini) and the Non-Monophyly of the Large Genus *Trigona*. *Systematic Entomology*. **32**: 26-39.
- Roger, A.J., M. Kolisko and A.G.B. Simpson. 2012. *Phylogenomic Analysis: Assessing Statistical Significance*. In: *Evolution of Virulence in Eukaryotic Microbes*. Ed.: L.D. Sibley, B.J. Howlerr and J. Heitman. Wiley-Blackwell.
- Roubik, D.W. 1989. *Ecology and Natural History of Tropical Bees*. Cambridge University Press. New York.
- Rutter, F. 1988. *Biogeography and Taxonomy of Honeybees*, Springer-Verlag. Berlin, Heidelberg.
- Sakagami, S.F. 1978. *Tetragonula* Stingless Bees of the Continental Asia and Sri Lanka. *Journal of the Faculty of Science*. Hokkaido University, Series VI, Zoology. **21** (2): 165-247.
- Sakagami, S.F. and T. Inoue. 1985. Taxonomic Notes on Three Bicolorous *Tetragonula* Stingless Bees in Southeast Asia. *Kontyū*, Tokyo. **53** (1): 174-189.
- Sakagami, S.F., Inoue, T. and S. Salmah. 1990. Stingless Bees of Central Sumatra. *Natural History of Social Wasps and Bees in Equatorial Sumatra* (ed. by S.F. Sakagami, R. Ohgushi and D.W.Roubik), pp. 125–137. Hokkaido University Press, Sapporo.
- Salmah, S. 1986. Post-embryonic Development and Divisions of Labor in Three Species of Sumatran Stingless Bees. *Dissertation for Doctor of Science*. Hokkaido University. Japan.
- Schönrogge, K., B. Barr, J.C. Wardlaw, E. Naf'per, M.G. Gardner, J. Breen, G.W. Elmes and J.A. Thomas. 2002. When Rare Species Become Endangered: Cryptic Speciation in Myrmecophilous Hoverflies. *Biological Journal of the Linnean Society*. **75**: 291-300.
- Schwarz, H. F., 1939. The Indo-Malayan species of *Trigona*. *Bull. Amer. Mus. Nat. Hist.* **90**: 1-546.
- Shouche, Y.S. and M.S. Patole. 2000. Sequence Analysis of Mitochondrial 16S Ribosomal RNA Gene Fragment From Seven Mosquito Species. *Journal Bioscience*. **25** (4): 361-366.
- Souza, M.T. and G.A. Carvalho-Zilse. 2014. Molecular Identification of Amazonian Stingless Bees Using Polymerase Chain Reaction Single-Strand Conformation Polymorphism. *Genetics and Molecular Research*. **13** (3): 5507-5513. ©FUNPEC-RP [www.funpecrp.com.br](http://www.funpecrp.com.br).
- Tamura, K., G. Stecher, D. Peterson, A. Filipski and S. Kumar. 2013. MEGA6: Molecular Evolutionary Genetics Analysis version 6.0. *Molecular Biology and Evolution*. **30**: 2725-2729.

- Thummajitsakul, S., K. Silprasit, S. Klinbunga and S. Sittipraneed. 2013. The Partial Mitochondrial Sequence of the Old World Stingless Bee, *Tetragonula pagdeni*. *Journal of Genetics*. **92** (2): 299-303.
- Thummajitsakul, S., K. Silprasit, S. Klinbunga and S. Sittipraneed. 2014. Population Structure of the Stingless Bee (*Tetragonula pagdeni* Schwarz) in Thailand Determined by *Cytochrome b* and *ATPase6-tRNA<sup>ASP</sup>* Sequence Analysis. *International Journal of Integrative Biology*. **15** (1).
- Xia, X., 1996. Maximizing Transcription Efficiency Causes Codon Usage Bias. *Genetics*. **144**: 1309-1320.
- Zardoya, R. and A. Meyer. 1996. Phylogenetic Performance of Mitochondrial Protein-Coding Genes in Resolving Relationships Among Vertebrates. *Mol. Biol. Evol.* **13**: 933-942.
- Zehender, M., G. Breithardt and H. Just. 2000. *From Molecule to Men, Molecular Basis of Congenital Cardiovascular Disorders*. Springer. New York.
- Zhou, Z., Y. Huang and F. Shi. 2007. The Mitochondrial Genome of *Ruspolia dubia* (Orthoptera: Conocephalidae) Contains a Short A+T – Rich Region of 70 bp in Length. *Genome*. **50**.