

**DAFTAR PUSTAKA**

- Alberts, B., A. Johnson, J. Lewis, D. Morgan, M. Raff, K. Roberts, P. Walter, J. Wilson and T. Hunt. 2015. *Molecular biology of the cell*. 6th ed. New York: Garland Sciences, p. 802, 804-810.
- Amorim, A., F. Teresa, and N. Taveira. 2019. Mitochondrial DNA in Human Identification: a review. *PeerJ*. 7: 7314.
- Andrews, R. M., Kubacka, I., Chinnery, P. F., Lightowlers, R. N., Turnbull, D. M., & Howell, N. (1999). Reanalysis and revision of the Cambridge reference sequence for human mitochondrial DNA. *Nature genetics*, 23(2), 147.
- Apriyana, I., K. Pradiptajati, G. A. Purnomo, H. Sudoyo. 2019. *Laporan Hasil: Studi Keanekaragaman Genetik Populasi Manusia di Lembah Bada dan Behoa, Sulawesi Tengah*. Lembaga Biologi Molekular Eijkman. Jakarta, hal. 1-8.
- Arenas, M. 2015. Trends in substitution models of molecular evolution. *Frontiers in genetics*, 6: 319.
- Arlin Stoltzfus and Ryan W. Norris. 2016. On the Causes of Evolutionary Transition: Transversion Bias. *Molecular Biology and Evolution*, 33(3): 595–602.
- Bellwood, P. and Dizon, E. 2005. The Batanes Archaeological Project and the “Out of Taiwan” Hypothesis for Austronesian Dispersal. *Journal of Austronesian Studies*, 1: 1-32.
- Bellwood, P. 2006. *Austronesian Prehistory in Southeast Asia: Homeland, Expansion, and Transformation*. Departement of Anthropology, ANU. Canberra, p. 96-111.
- Bleidorn, Christoph. 2017. Phylogenomics. Springer Nature. Switzerland, p. 158-162.
- Budowle, B., M. W. Allard, M. R. Wilson, and R. Chakraborty. 2003. Forensics and Mitochondrial DNA: Applications, Debates, and Foundations. *Annual Review of Genomics and Human Genetics*. 4: 119-141.
- Collins, R.A., Boykin, L.M., Cruickshank, R.H. and Armstrong, K.F. 2012. Barcoding's next top model: an evaluation of nucleotide substitution models for specimen identification. *Methods in Ecology and Evolution*, 3: 457-465.
- Dharmayanti, N. L. P. I. 2011. Filogenetika Molekuler: Metode Taksonomi Organisme Berdasarkan Sejarah Evolusi. *Wartazoa*, 21(1): 1-10.
- Febinia, C. A. 2017. The Gut Microbiota of Bali Among the World Populations: Connecting Diet, Urbanisation, and Obesity. Thesis. Faculty of Science. The University of Sydney. Sydney: p. 38-40.
- Freeman, L., B. Conrad & E. Eran. 2020. aYChr-DB: a database of ancient human Y haplogroups. *NAR Genomics and Bioinformatics*. 2(4), 1-4.
- Gomes, S.M., van Oven, M., Souto, L., Morreira, H., Brauer, S., Bodner, M., Zimmermann, B., Huber, G., Strobl, C., Röck, A.W. and Corte-Real, F. 2017. Lack of gene-language correlation due to reciprocal female but directional male admixture in Austronesians and non-Austronesians of East Timor. *European Journal of Human Genetics*, 25(2): 246.
- Higuchi, R., B. Bowman, M. Freiberger, O. A. Ryder & A. C. Wilson. 1984. DNA Sequences from the Quagga, an Extinct Member of the Horse Family. *Nature*. 312: 282-284.



- Kim, N. Y., Lee, H. Y., Park, S. J., Yang, W. I., & Shin, K. J. (2013). Modified midi- and mini-multiplex PCR systems for mitochondrial DNA control region sequence analysis in degraded samples. *Journal of forensic sciences*, 58(3), 738–743.
- Lobo, I. 2008. Basic Local Alignment Search Tool (BLAST). *Nature Education*, 1(1):215.
- Ludwig, Wolfgang & Glöckner, Frank & Yilmaz, Pelin. 2011. The Use of rRNA Gene Sequence Data in the Classification and Identification of Prokaryotes. *Methods in Microbiology*. 38: 349-384.
- Lutz, S., Wittig, H., Weisser, H. J., Heizmann, J., Junge, A., Dimo-Simonin, N., Parson, W., Edelmann, J., Anslinger, K., Jung, S., & Augustin, C. (2000). Is it possible to differentiate mtDNA by means of HVIII in samples that cannot be distinguished by sequencing the HVI and HVII regions?. *Forensic science international*, 113(1-3), 97–101.
- Lyons, D. M., & Lauring, A. S. 2017. Evidence for the Selective Basis of Transition-to-Transversion Substitution Bias in Two RNA Viruses. *Molecular biology and evolution*, 34(12), 3205–3215.
- Sato, M. and Sato, K. 2012. Maternal inheritance of mitochondrial DNA. *Autophagy*, 8(3), 424-425.
- Sato, M., & Sato, K. 2013. Maternal inheritance of mitochondrial DNA by diverse mechanisms to eliminate paternal mitochondrial DNA. *Biochimica et biophysica acta*, 1833(8), 1979–1984.
- Nei, M. and S. Kumar. 2000. *Molecular Evolution and Phylogenetics*. Oxford University Press. New York, p. 73.
- Orlando, L., Allaby, R., Skoglund, P. et al. 2021. Ancient DNA analysis. *Nat Rev Methods Primers* 1: 14.
- Perona, J. J. 2001. *Encyclopedia of Genetics: DNA*. Academic Press. Cambridge, p. 540-541.
- Picard, M., D. C. Wallace, Y. Burelle. 2016. The rise of mitochondria in medicine. *MITOCH*. 30: 105-116.
- Pierce, B. A. 2012. *Genetics: A Conceptual Approach*. 4<sup>th</sup> Edition. W. H. Freeman and Company. New York, p. 598.
- Prediger, E. 2019. *Genotyping: Terms to know*. [online] Integrated DNA Technologies (IDT). Tersedia di: <https://sg.idtdna.com/pages/education/decoded/article/genotyping-terms-to-know> [Diakses pada 4 Januari 2022].
- Roy, S., Dasgupta, R. and Bagchi, A. (2014) A Review on Phylogenetic Analysis: A Journey through Modern Era. *Computational Molecular Bioscience*. 4, 39-45.
- Rozas, J., Ferrer-Mata, A., Sánchez-DelBarrio, J. C., Guirao-Rico, S., Librado, P., Ramos-Onsins, S. E., & Sánchez-Gracia, A. 2017. DnaSP 6: DNA Sequence Polymorphism Analysis of Large Data Sets. *Molecular biology and evolution*, 34(12), 3299–3302.
- Sarma, H., S. Pradhan, S. Kaushik, V. S. Mattaparthi. 2018. Phylogenetic Analysis: Early Evolution of Life. *Encyclopedia of Bioinformatics and Computational Biology*, 1-15.
- Sentausa, E. 2003. "Studi DNA Prasejarah dari Tulang Manusia Situs Arkeologi Tadulako, Sulawesi Tengah". Skripsi. Fakultas Matematika dan Ilmu Pengetahuan Alam. Institut Pertanian Bogor. Bogor, hal. 1-15.



- Sievers, F., Wilm, A., Dineen, D., Gibson, T. J., Karplus, K., Li, W., Lopez, R., McWilliam, H., Remmert, M., Söding, J., Thompson, J. D., & Higgins, D. G. (2011). Fast, scalable generation of high-quality protein multiple sequence alignments using Clustal Omega. *Molecular systems biology*, 7, 539.
- Simanjuntak, Truman. 1992. Neolitik di Indonesia: Neraca dan Perspektif Penelitian, *Jurnal Arkeologi Indonesia* No. 1. Jakarta: Ikatan Ahli Arkeologi Indonesia.
- Simanjuntak, Truman. 2017. The Western Route Migration: A Second Probable Neolithic Diffusion to Indonesia. *New Perspectives in Southeast Asian and Pacific Prehistory, Terra Australis* 45. ANU Press. Australia, p. 201-206.
- Simanjuntak, Truman. 2015. Progres Penelitian Austronesia di Nusantara, *Jurnal Amerta Vol. 33 No. 1*, Pusat Arkeologi Nasional, Jakarta, hal. 25-44.
- Sharma, H., A. Singh, C. Sharma, S. K. Jain, and N. Singh. 2005. Mutations in the mitochondrial DNA D-Loop region are frequent in cervical cancer. *BioMed Central*. 5:34, 1-6.
- Tabadda, K., T. Jean, L. Jun Hun, C. Yao-Ming, L. Marie, M. Marta, K. Toomas, D. Maria. 2010. Philippine Mitochondrial DNA Diversity: A Populated Viaduct between Taiwan and Indonesia?, *Molecular Biology and Evolution*, 27(1): 21–31.
- Taanman, J. 1999. The Mitochondrial genome: structure, transcription, translation and replication. *Biochimica et Biophysica Acta*. 1410: 103-123.
- Tamura, K., Glen Stecher, Sudhir Kumar. 2021. MEGA11: Molecular Evolutionary Genetics Analysis Version 11. *Molecular Biology and Evolution*. 38(7): 3022–3027.
- Tanudirjo, D. A., Y. Zaim, B. Prasetyo, F. Aziz, I. W. Ardika, B. Sulistyanto. 2012. *Indonesia dalam Arus Sejarah*. Jilid 1. PT. Ichtiar Baru van Hoeve. Jakarta, hal. 255.
- Trisyani, N. & D. A. Rahayu. 2020. DNA Barcoding of razor clam Solen spp. (Solinidae, Bivalvia) in Indonesian Beaches. *Biodiversitas*, 21(2), 478-484.
- Yang, Z., & Rannala, B. (2012). Molecular phylogenetics: principles and practice. *Nature reviews. Genetics*, 13(5), 303–314.
- Yuniawati, D.Y., Anggraeni, Mahirta, Indah Asikin Nurani, A. Kriswandhono, Handiman Rico, Nasrullah Aziz, Sri Wahyuni, Rizky Fardhyan, Sriwigati, Rustan Lebe, Abdullah, N. Budiharjo, Sri Wasisto. 2012. *LPA Kajian Pluralisme Budaya Austronesia dan Melanesia Nusantara: Peradaban Penutur Austronesia di Kawasan Lembah Bada, Sulawesi Tengah*. Jakarta: Pusat Arkeologi Nasional.
- Yuniawati, D. Y., A. S. Sayekti, I. A. Nurani, S. Noerwidi, A. Kriswandhono, H. Rico, N. Budiharjo, C. I. Darojah, S. Wahyuni, N. Aziz, Sriwigati, S. Wasisto, Ngadiran. 2013. *LPA Kajian Pluralisme Budaya Austronesia dan Melanesia Nusantara: Peradaban Penutur Austronesia di Kawasan Lembah Besoa, Kec. Lore Utara, Kab. Poso, Sulawesi Tengah*. Jakarta: Pusat Arkeologi Nasional.
- Yuniawati, D. Y. 2014. "Problematising Megaliths of Southeast Asia and Pacific. New Evidence on the Megalithic Culture of Lore Highland Valley, Central Sulawesi". *Proceeding SIEAS International Cluster Conference*, The Institute for East Asian Studies, Sogang University, Korea. P: 223-242.
- Yuniawati, D. Y. 2016. Keterkaitan Etnik Da'a di Wilayah Pedalaman Pegunungan Gawalise, Sulawesi Tengah dengan Populasi Austromelanesid di Sulawesi. *Amerta*. 34(1), hal. 1-18.



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