

DAFTAR PUSTAKA

- Alfirahmi. (2019). Fenomena Kopi Kekinian di Era 4.0 Ditinjau dari Marketing 4.0 dan Teori Uses and Effect. *Jurnal Lugas*, 3(1), 24–32.
- Amin, M. N., Hossain, M. A., & Roy, K. C. (2004). Effects of moisture content on some physical properties of lentil seeds. *Journal of Food Engineering*, 65, 83–87. <https://doi.org/10.1016/j.jfoodeng.2003.12.006>
- Avelino, J., Barboza, B., Araya, J. C., Fonseca, C., Davrieux, F., Guyot, B., & Cilas, C. (2005). Effects of Slope Exposure, Altitude and Yield on Coffee Quality in Two Altitude Terroirs of Costa Rica, Orosi and Santa María de Dota. *Journal of the Science of Food and Agriculture*, 85(11), 1869–1876. <https://doi.org/https://doi.org/10.1002/jsfa.2188>
- Bakri, S., Setiawan, A., & Nurhaida, I. (2018). Coffee bean physical quality: The effect of climate change adaptation behavior of shifting up cultivation area to a higher elevation. *Biodiversitas*, 19(2), 413–420. <https://doi.org/10.13057/biodiv/d190208>
- Bertrand, B., Descroix, F., Boulanger, R., Berthiot, L., Ribeyre, F., Dussert, S., & Joët, T. (2012). Climatic factors directly impact the volatile organic compound fingerprint in green Arabica coffee bean as well as coffee beverage quality. *Food Chemistry*, 135, 2575–2583. <https://doi.org/10.1016/j.foodchem.2012.06.060>
- Bertrand, B., Vaast, P., Alpizar, E., Etienne, H., Davrieux, F., & Charmetant, P. (2006). Comparison of bean biochemical composition and beverage quality of Arabica hybrids involving Sudanese-Ethiopian origins with traditional varieties at various elevations in Central America. *Tree Physiol*, 26(9), 1239–1248. <https://doi.org/10.1093/treephys/26.9.1239>
- Bhumiratana, N., Adhikari, K., & Chambers, E. (2011). Evolution of sensory aroma attributes from coffee beans to brewed coffee. *LWT - Food Science and Technology*, 44, 2185–2192. <https://doi.org/10.1016/j.lwt.2011.07.001>
- BMKG Stasiun Klimatologi Bogor. (2019). *Data Klimatologi Stasiun SMPK Pacet Tahun 2014-2018*. Bogor.
- Bote, A. D., & Struik, P. C. (2011). Effects of shade on growth, production and quality of coffee (*Coffea arabica*) in Ethiopia. *Journal of Horticulture and Forestry*, 3(11), 336–341.

- Bote, A. D., & Vos, J. (2017). Tree management and environmental conditions affect coffee (*Coffea arabica* L.) bean quality. *NJAS - Wageningen Journal of Life Sciences*, 83, 39–46. <https://doi.org/10.1016/j.njas.2017.09.002>
- Campa, C., Doulbeau, S., Dussert, S., Hamon, S., & Noirot, M. (2005). Diversity in bean Caffeine content among wild *Coffea* species: Evidence of a discontinuous distribution. *Food Chemistry*, 91, 633–637. <https://doi.org/10.1016/j.foodchem.2004.06.032>
- Caporaso, N., Whitworth, M. B., Cui, C., & Fisk, I. D. (2018). Variability of single bean coffee volatile compounds of Arabica and robusta roasted coffees analysed by SPME-GC-MS. *Food Research International*, 108, 628–640. <https://doi.org/10.1016/j.foodres.2018.03.077>
- Cheng, B., Furtado, A., Smyth, H. E., & Henry, R. J. (2016). Influence of genotype and environment on coffee quality. *Trends in Food Science and Technology*, 57, 20–30. <https://doi.org/10.1016/j.tifs.2016.09.003>
- Cornelis, M. C. (2019). The impact of caffeine and coffee on human health. *Nutrients*, 11, 416–419. <https://doi.org/10.3390/nu11020416>
- Da Silva, E. A., Mazzafera, P., Brunini, O., Sakai, E., Arruda, F. B., Mattoso, L. H. C., ... Pires, R. C. M. (2005). The influence of water management and environmental conditions on the chemical composition and beverage quality of coffee beans. *Brazilian Journal of Plant Physiology*, 17(2), 229–238. <https://doi.org/10.1590/S1677-04202005000200006>
- De Beenhouwer, M., Muleta, D., Peeters, B., Van Geel, M., Lievens, B., & Honnay, O. (2015). DNA pyrosequencing evidence for large diversity differences between natural and managed coffee mycorrhizal fungal communities. *Agronomy for Sustainable Development*, 35, 241–249. <https://doi.org/10.1007/s13593-014-0231-8>
- de Melo Pereira, G. V., de Carvalho Neto, D. P., Magalhães Júnior, A. I., Vásquez, Z. S., Medeiros, A. B. P., Vandenberghe, L. P. S., & Soccol, C. R. (2019). Exploring the impacts of postharvest processing on the aroma formation of coffee beans – A review. *Food Chemistry*, 272, 441–452. <https://doi.org/10.1016/j.foodchem.2018.08.061>
- Delaigle, A., & Hall, P. (2012). Methodology and theory for partial least squares applied to functional data. *The Annals of Statistics*, 40(1), 322–352. <https://doi.org/10.1214/11-AOS958>

- Demura, S., Aoki, H., Mizusawa, T., Soukura, K., Noda, M., & Sato, T. (2013). Gender Differences in Coffee Consumption and Its Effects in Young People. *Food and Nutrition Sciences*, 4, 748–757. <https://doi.org/10.4236/fns.2013.47096>
- Direktorat Jenderal Perkebunan. (2014). *Pedoman Teknis Budidaya Kopi yang Baik*. Jakarta: Direktorat Jenderal Perkebunan.
- Farah, A., Monteiro, M. C., Calado, V., Franca, A. S., & Trugo, L. C. (2006). Correlation between cup quality and chemical attributes of Brazilian coffee. *Food Chemistry*, 98, 373–380. <https://doi.org/10.1016/j.foodchem.2005.07.032>
- Fick, S. E., & Hijmans, R. J. (2017). Worldclim 2: New 1-km spatial resolution climate surfaces for global land areas. *International Journal of Climatology*.
- Figueiredo, L. P., Borem, F. M., Ribeiro, F. C., Giomo, G. S., da Silva Taveira, J. H., & Malta, M. R. (2015). Fatty acid profiles and parameters of quality of specialty coffees produced in different Brazilian regions. *African Journal of Agricultural Research*, 10(35), 3484–3493. <https://doi.org/10.5897/ajar2015.9697>
- Geromel, C., Ferreira, L. P., Davrieux, F., Guyot, B., Ribeyre, F., Brigida, D. S. S., ... Marraccini, P. (2008). Effects of shade on the development and sugar metabolism of coffee (*Coffea arabica* L.) fruits. *Plant Physiology and Biochemistry Journal*, 46, 569–579. <https://doi.org/10.1016/j.plaphy.2008.02.006>
- Giacalone, D., Degn, T. K., Yang, N., Liu, C., Fisk, I., & Münchow, M. (2019). Common roasting defects in coffee: Aroma composition, sensory characterization and consumer perception. *Food Quality and Preference*, 71, 463–474. <https://doi.org/10.1016/j.foodqual.2018.03.009>
- Gichimu, B. M., Gichuru, E. K., Mamati, G. E., & Nyende, A. B. (2014). Biochemical Composition Within *Coffea arabica* cv. Ruiru 11 and Its Relationship With Cup Quality. *Journal of Food Research*, 3, 31–44. <https://doi.org/10.5539/jfr.v3n3p31>
- Gonthier, D. J., Witter, J. D., Spongberg, A. L., & Philpott, S. M. (2011). Effect of nitrogen fertilization on caffeine production in coffee (*Coffea arabica*). *Chemoecology*, 21, 123–130. <https://doi.org/10.1007/s00049-011-0073-7>

- Hagos, M., Redi-Abshiro, M., Chandravanshi, B. S., Ele, E., Mohammed, A. M., & Mamo, H. (2018). Correlation Between Caffeine Contents of Green Coffee Beans and Altitudes of the Coffee Plants Grown in Southwest Ethiopia. *Bulletin of the Chemical Society of Ethiopia*, 32(1), 13–25. <https://doi.org/https://dx.doi.org/10.4314/bcse.v32i1.2>
- Hashim, N. H., Mamat, N. A., Nasarudin, N., & Ab Halim, N. A. (2017). Coffee culture among generation Y. *Pertanika Journal of Social Sciences and Humanities*, 25, 39–48.
- Hill, R. (1998). What Sample Size is “enough” in internet survey research? *Interpersonal Computing and Technology (IPCT)*, 6, 1–10.
- ICO. (2019). *Total production by all exporting countries*. Retrieved from <http://www.ico.org/prices/po-production.pdf>
- Indahwati, R., Kusnandar, D., & Sulistianingsih, E. (2014). Metode Partial Least Squares Untuk Mengatasi Multikolinearitas Pada Model Regresi Linear Berganda. *Buletin Ilmiah Matematika Statistika Dan Terapannya*, 3(3), 169–174.
- Jaw, J., Leslie, S., Mattock, I., & Shahinfar, M. (2010). Coffee Shops. *ECON 205 Section A01 Pascal Courty*, 1–6.
- Karungi, J., Cherukut, S., Ijala, A. R., Tumuhairwe, J. B., Bonabana-Wabbi, J., Nuppenau, E. A., ... Otte, A. (2018). Elevation and cropping system as drivers of microclimate and abundance of soil macrofauna in coffee farmlands in mountainous ecologies. *Applied Soil Ecology*, 132, 126–134. <https://doi.org/10.1016/j.apsoil.2018.08.003>
- Kementerian Perindustrian Republik Indonesia. (2016). *Menperin: Gaya Hidup Dorong Industri Kopi Tumbuh*. Retrieved February 27, 2019, from <http://www.kemenperin.go.id/artikel/15421/Menperin:-Gaya-Hidup-Dorong-Industri-Kopi-Tumbuh>
- Killeen, T. J., & Harper, G. (2016). *COFFEE IN THE Will Climate Change and Increased*. New York: Conservation International.
- Kipkorir, R., Muhoho, S., Muliro, P., Mugendi, B., Frohme, M., & Broedel, O. (2015). Effects of Coffee Processing Technologies on Aroma Profiles and Sensory Quality of Ruiru 11 and SL 28 Kenyan Coffee Varieties. *Asian Journal of Agriculture and Food Sciences*, 03(02), 2321–1571.

- Knysak, D. (2017). Volatile compounds profiles in unroasted *Coffea arabica* and *Coffea canephora* beans from different countries. *Food Science and Technology*, 37(3), 444–448. <https://doi.org/10.1590/1678-457x.19216>
- Koordinator Statistik Kecamatan Pangalengan. (2018). *Kecamatan Pangalengan Dalam Angka 2018*. BPS Kabupaten Bandung. Kabupaten Bandung.
- Koshiro, Y., Zheng, X. Q., Wang, M. L., Nagai, C., & Ashihara, H. (2006). Changes in content and biosynthetic activity of caffeine and trigonelline during growth and ripening of *Coffea arabica* and *Coffea canephora* fruits. *Plant Science*, 171(2), 242–250. <https://doi.org/10.1016/j.plantsci.2006.03.017>
- Kreuml, M. T. L., Majchrzak, D., Ploederl, B., & Koenig, J. (2013). Changes in sensory quality characteristics of coffee during storage. *Food Science and Nutrition*, 1(4), 267–272. <https://doi.org/10.1002/fsn3.35>
- Lawrance, & Wicaksono, A. (2013). A Review Based on Young Adult Consumers Perspective: What Should McCafe Indonesia Do? *The Indonesian Journal of Business Administration*, 2(19), 2318–2325.
- Lee, E. (2019). Indoor environmental quality (IEQ) of LEED-certified home: Importance-performance analysis (IPA). *Building and Environment*, 149, 571–581. <https://doi.org/10.1016/j.buildenv.2018.12.038>
- Leroy, T., Ribeyre, F., Bertrand, B., Chametant, P., Dufour, M., Montagnon, C., ... Pot, D. (2006). Genetics of coffee quality. *Brazilian Journal of Plant Physiology*, 18(1), 229–242. <https://doi.org/http://dx.doi.org/10.1590/S1677-04202006000100016>
- Li-sha, M. (2017). Overview of Key Quality Characteristics Identification of Complex Electromechanical Products. *Journal of Mechanical and Civil Engineering*, 14(2), 1–6. <https://doi.org/10.9790/1684-1402040106>
- Ludwig, I. A., Sanchez, L., Caemmerer, B., Kroh, L. W., De Peña, M. P., & Cid, C. (2012). Extraction of coffee antioxidants: Impact of brewing time and method. *Food Research International*, 48, 57–64. <https://doi.org/10.1016/j.foodres.2012.02.023>
- Mintesnot, A., & Dechassa, N. (2018). Effect of Altitude, Shade, and Processing Methods on the Quality and Biochemical Composition of Green Coffee Beans in Ethiopia. *East African Journal of Sciences*, 12(2), 87–100.
- Murkovic, M., & Derler, K. (2006). Analysis of amino acids and carbohydrates in green coffee. *Journal of Biochemical and Biophysical Methods*, 69, 25–32. <https://doi.org/10.1016/j.jbbm.2006.02.001>

- Murray, J. M., Delahunty, C. M., & Baxter, I. A. (2001). Descriptive sensory analysis : past , present and future. *Food Research International*, 34, 461–471.
- Nassar, A. M. K., Kubow, S., & Donnelly, D. J. (2015). High-throughput screening of sensory and nutritional characteristics for cultivar selection in commercial hydroponic greenhouse crop production. *International Journal of Agronomy*, 1–28. <https://doi.org/10.1155/2015/376417>
- Nugroho, D. (2005). *Performa Mutu Fisik, Biokimia, dan Citarasa Kopi Arabika (Coffea arabica) dari Kawasan Tinggi dan Menengah*. Universitas Gadjah Mada.
- Nugroho, D., Basunanda, P., & Mw, S. (2016). Physical Bean Quality of Arabica Coffee (Coffea Arabica) Cultivated at High and Medium Altitude. *Pelita Perkebunan (a Coffee and Cocoa Research Journal)*, 32(3), 151–161. <https://doi.org/10.22302/icri.jur.pelitaperkebunan.v32i3.241>
- Nurhasanah, Subianto, M., & Fitriani, R. (2012). Perbandingan Metode Partial Least Square (PLS) dengan Regresi Komponen Utama untuk mengatasi Multikolinearitas. *Statistika*, 12(1), 33–42.
- Oestreich-Janzen, S. (2010). Chemistry of Coffee. *Comprehensive Natural ProductS II*, 3, 1085–1117.
- Oliver, R. L. (2015). *Satisfaction: A Behavioral Perspective on the Consumer* (Second Edi). New York: Routledge.
- Patay, É. B., Bencsik, T., & Papp, N. (2016). Phytochemical overview and medicinal importance of Coffea species from the past until now. *Asian Pacific Journal of Tropical Medicine*, 9(12), 1127–1135. <https://doi.org/10.1016/j.apjtm.2016.11.008>
- Patton, M. (1990). *Qualitative Evaluation and Research Methods*. Sage Publications. California: Sage Publications. <https://doi.org/10.1002/nur.4770140111>
- Pereira, L. L., Guarçoni, R. C., Cardoso, W. S., Taques, R. C., Moreira, T. R., da Silva, S. F., & ten Caten, C. S. (2018). Influence of Solar Radiation and Wet Processing on the Final Quality of Arabica Coffee. *Journal of Food Quality*, 1–9. <https://doi.org/10.1155/2018/6408571>
- Poyraz, İ. E., Öztürk, N., Kıyan, H. T., & Demirci, B. (2016). Volatile compounds of Coffea arabica L. green and roasted beans. *ANADOLU UNIVERSITY JOURNAL OF SCIENCE AND TECHNOLOGY –C Life Sciences and Biotechnology*, 5(1), 31–35. <https://doi.org/10.18036/btdc.13390>

- Rahayu, K. S., & Purwanegara, M. (2017). Coffee preference among young people in Bandung. In *Proceedings of 137th The IIER International Conference* (pp. 19–22). Seoul, South Korea.
- Ribeiro, J. S., Ferreira, M. M. C., & Salva, T. J. G. (2011). Chemometric models for the quantitative descriptive sensory analysis of Arabica coffee beverages using near infrared spectroscopy. *Talanta*, 83, 1352–1358. <https://doi.org/10.1016/j.talanta.2010.11.001>
- Rudel, T. K., Coomes, O. T., Moran, E., Achard, F., Angelsen, A., Xu, J., & Lambin, E. (2005). Forest transitions: Towards a global understanding of land use change. *Global Environmental Change*, 15, 23–31. <https://doi.org/10.1016/j.gloenvcha.2004.11.001>
- SCAA. (2015). *SCAA Protocols Cupping Specialty Coffee*. Specialty Coffee Association of America. Specialty Coffee Association of America. Retrieved from <http://www.scaa.org/?page=resources&d=coffee-protocols>
- Scott. (2015). How Does Elevation Affect the Taste of Coffee? Retrieved September 13, 2010, from <https://driftaway.coffee/elevation/>
- Solikatun, S., Kartono, D. T., & Demartoto, A. (2015). Perilaku Konsumsi Kopi Sebagai Budaya Masyarakat Konsumsi (Studi Fenomenologi Pada Peminum Kopi Di Kedai Kopi Kota Semarang). *Jurnal Analisa Sosiologi*, 4(1), 60–74.
- Sridevi, V., & Giridhar, P. (2013). Influence of Altitude Variation on Trigonelline Content during Ontogeny of Coffea Canephora Fruit. *Journal of Food Studies*, 2(1), 62–74. <https://doi.org/10.5296/jfs.v2i1.3747>
- Sub Direktorat Statistik Tanaman Perkebunan. (2017). *Statistik Kopi Indonesia 2016*. Jakarta: Badan Pusat Statistik.
- Subandi, M. (2011). *Budidaya tanaman perkebunan*. Bandung: Gunung Djati Press.
- Sunarharum, W. B., Williams, D. J., & Smyth, H. E. (2014). Complexity of coffee flavor: A compositional and sensory perspective. *Food Research International*, 62, 315–325. <https://doi.org/10.1016/j.foodres.2014.02.030>
- Supriadi, H., Randriani, E., & Towaha, J. (2017). Korelasi Antara Ketinggian Tempat, Sifat Kimia Tanah, dan Mutu Fisik Biji Kopi Arabika di Dataran Tinggi Garut. *Jurnal Tanaman Industri Dan Penyegar*, 3(1), 45–52. <https://doi.org/10.21082/jtidp.v3n1.2016.p45-52>

- Tolessa, K., D'heer, J., Duchateau, L., & Boeckx, P. (2016). Influence of growing altitude, shade and harvest period on quality and biochemical composition of Ethiopian specialty coffee. *Journal of the Science of Food and Agriculture*. <https://doi.org/10.1002/jsfa.8114>
- Towaha, J., Purwanto, E. H., & Supriadi, H. (2015). Atribut Kualitas Kopi Arabika pada Tiga Ketinggian Tempat Di Kabupaten Garut. *Jurnal Tanaman Industri Dan Penyegar*, 2(1), 29–34. <https://doi.org/10.21082/jtidp.v2n1.2015.p29-34>
- Triyanti, D. R. (2016). *Outlook Kopi*. Jakarta: Pusat Data dan Sistem Informasi Pertanian.
- Van Lancker, F., Adams, A., Owczarek-Fendor, A., De Meulenaer, B., & De Kimpe, N. (2011). Mechanistic insights into furan formation in maillard model systems. *Journal of Agricultural and Food Chemistry*, 59, 229–235. <https://doi.org/10.1021/jf102929u>
- Wahyuningrum, V., & Komalasari, N. (2018). *Jawa Barat Province in Figures 2018. BPS-Statistics of Jawa Barat Province*.
- Widiyanto, A. (2013). Agroforestry dan Peranannya dalam Mempertahankan Fungsi Hidrologi dan Konservasi. *ResearchGate*, (April), 1–12.
- Winter, H., & Huber, S. C. (2000). Regulation of sucrose metabolism in higher plants: localization and regulation of activity of key enzymes. *Critical Reviews in Biochemistry and Molecular Biology*, 35(4), 253–289. <https://doi.org/10.1080/10409230008984165>
- Worku, M., de Meulenaer, B., Duchateau, L., & Boeckx, P. (2018). Effect of altitude on biochemical composition and quality of green arabica coffee beans can be affected by shade and postharvest processing method. *Food Research International*, 105, 278–285. <https://doi.org/10.1016/j.foodres.2017.11.016>
- Wright, T., & Rahmanulloh, A. (2017). *Indonesia Coffee Annual Report 2017*. Retrieved from [https://gain.fas.usda.gov/Recent GAIN Publications/Coffee Annual_Jakarta_Indonesia_5-15-2017.pdf](https://gain.fas.usda.gov/Recent%20GAIN%20Publications/Coffee%20Annual%20Report_Jakarta_Indonesia_5-15-2017.pdf)
- Yadessa, A., Burkhardt, J., Denich, M., Woldemariam, T., Bekele, E., & Goldbach, H. (2008). Influence of soil properties on cup quality of wild arabica coffee in coffee forest ecosystem of SW Ethiopia. In *22nd International Conference on Coffee Science (ASIC)*.