

DAFTAR PUSTAKA

- Angeloni, S., Mustafa, A. M., Abouelenein, D., Alessandroni, L., Acquaticci, L., Nzekoue, F. K., Petrelli, R., Sagratini, G., Vittori, S., Torregiani, E., & Caprioli, G. (2021). Characterization of the Aroma Profile and Main Key Odorants of Espresso Coffee. *Molecules*, 26(13), 3856. <https://doi.org/10.3390/molecules26133856>
- Asiah, N., Apriyantono, A., Gosal, P., Dewi, D., & Adriati, F. (2023). *Cerita dan sains di balik cita rasa kopi Arabika Java Preanger*. AE Publishing.
- Andrade, C., Perestrelo, R., & Câmara, J. S. (2022). Valorization of Spent Coffee Grounds as a Natural Source of Bioactive Compounds for Several Industrial Applications A Volatilomic Approach. *Foods*, 11(12), 1731. <https://doi.org/10.3390/foods11121731>
- Badan Perakitan dan Modernisasi Pertanian. (2025). Kiprah Indonesia di panggung kopi global di era specialty coffee. *Pusat Perakitan dan Modernisasi Pertanian Perkebunan*. <https://perkebunan.brmp.pertanian.go.id/berita/kiprah-indonesia-di-panggung-kopi-global-di-era-specialty-coffee>. [Diakses Pada 27-12-2025].
- Linne, B. M., Tello, E., Simons, C. T., & Peterson, D. G. (2025). Chemical characterization and sensory evaluation of a phenolic-rich melanoidin isolate contributing to coffee astringency. *Food & Function*, 16(7), 2870–2880. <https://doi.org/10.1039/d4fo04934a>
- Caporaso, N., Whitworth, M. B., & Fisk, I. D. (2020). Prediction of coffee aroma and sensory quality from roasting degree and volatile composition: A review. *Foods*, 9(10), Article 1486. <https://doi.org/10.1016/j.foodchem.2021.131159>
- Cao, X., Wu, H., Viejo, C.G., Dunshea, F.R. and Suleria, H.A.R. (2023), Effects of postharvest processing on aroma formation in roasted coffee – a review. *Int J Food Sci Technol*, 58: 1007-1027. <https://doi.org/10.1111/ijfs.16261>
- Cordoba, N., Pataquiva, L., & Osorio, C. (2019). Effect of grinding, extraction time and type of coffee on the physicochemical and flavour characteristics of cold brew coffee. *Scientific Reports*, 9, 8440. <https://doi.org/10.1038/s41598-019-44886-w>

- Chemat, F., Rombaut, N., Sicaire, A.-G., Meullemiestre, A., Fabiano-Tixier, A. S., & Abert Vian, M. (2017). Ultrasound assisted extraction of food and natural products: Mechanisms, techniques, combinations, protocols and applications. A review. *Ultrasonics Sonochemistry*, 34, 540–560. <https://doi.org/10.1016/j.ultsonch.2016.06.035>
- Chen, X., Wu, P., Wang, S., Sun, J., & Chen, H. (2025). Identification of Key Aroma-Active Compounds in Commercial Coffee Using GC-O/AEDA and OAV Analysis. *Foods*, 14(18), 3192. <https://doi.org/10.3390/foods14183192>
- Diviš, P., Pořízka, J., & Kříkala, J. (2019). The effect of coffee beans roasting on its chemical composition. *Potravinárstvo Slovak Journal of Food Sciences*, 13(1), 344–350. <https://doi.org/10.5219/1062>
- Fernández-Alduenda, M. R., & Giuliano, P. (2021). *Coffee sensory and cupping handbook (1st ed.)*. Specialty Coffee Association.
- Giroto, F., Piazza, L., Ratti, S., & Giovanelli, G. (2023). Application of Ultrasonic Intensification Technology in the Extraction of Bio-actives from Spent Coffee Grounds and Spent Tea Leaves. *Chemical Engineering Transactions*, 102, 265-270. <https://doi.org/10.3303/CET23102045>
- Feng, J., Berton Carabin, C., Guyot, S., Gacel, A., Fogliano, V., & Schroën, K. (2023). Coffee melanoidins as emulsion stabilizers. *Food Hydrocolloids*, 139, 108522. <https://doi.org/10.1016/j.foodhyd.2023.108522>
- Klingel, T., Kremer, J. I., Gottstein, V., Rajcic de Rezende, T., Schwarz, S., & Lachenmeier, D. W. (2020). A Review of Coffee By Products Including Leaf, Flower, Cherry, Husk, Silver Skin, and Spent Grounds as Novel Foods within the European Union. *Foods*, 9(5), 665. <https://doi.org/10.3390/foods9050665>
- Lee, Y., & Lee, K. G. (2025). Effects of ultrasound treatment on physicochemical, sensory, and structural properties of cold brew coffee. *Ultrasonics sonochemistry*, 119, 107401. <https://doi.org/10.1016/j.ultsonch.2025.107401>

- Makiso, M. U., Tola, Y. B., Ogah, O., & Endale, F. L. (2023). Bioactive compounds in coffee and their role in lowering the risk of major public health consequences: A review. *Food science & nutrition*, 12(2), 734–764. <https://doi.org/10.1002/fsn3.3848>
- Paravisini, L., Soldavini, A., Peterson, J., Simons, C. T., & Peterson, D. G. (2019). Impact of bitter tastant sub-qualities on retronasal coffee aroma perception. *Plos One*, 14(10), e0223280. <https://doi.org/10.1371/journal.pone.0223280>
- Santanatoglia, A., Angeloni, S., Caprioli, G., Fioretti, L., Ricciutelli, M., Vittori, S., & Alessandrini, L. (2024). Comprehensive investigation of coffee acidity on eight different brewing methods through chemical analyses, sensory evaluation and statistical elaboration. *Food Chemistry*, 454, 139717. <https://doi.org/10.1016/j.foodchem.2024.139717>
- Schmieder, B. K. L., Pannusch, V. B., Vannieuwenhuyse, L., Briesen, H., & Minceva, M. (2023). Influence of Flow Rate, Particle Size, and Temperature on Espresso Extraction Kinetics. *Foods*, 12(15), 2871. <https://doi.org/10.3390/foods12152871>
- Seninde, D. R., & Chambers, E., IV. (2020). Coffee Flavor: A Review. *Beverages*, 6(3), 44. <https://doi.org/10.3390/beverages6030044>
- Silva, J. B. M. D., Paiva, M. T. P., Fuzinato, H. F., Silvestre, N., Benassi, M. T., & Mali, S. (2025). An Ultrasonication-Assisted Green Process for Simultaneous Production of a Bioactive Compound-Rich Extract and a Multifunctional Fibrous Ingredient from Spent Coffee Grounds. *Molecules*, 30(15), 3117. <https://doi.org/10.3390/molecules30153117>
- Snapcart Global. (2023). *Indonesia's coffee consumption trends in 2023. Snapcart Research and Analytics. Indonesia's Coffee Consumption Trends in 2023 – Snapcart* [Diakses Pada Tanggal 2-11-2025].
- Specialty Coffee Association. (2015). *The coffee cupper's handbook: Systematic guide to coffee tasting (Rev. ed.)*. Specialty Coffee Association of America.
- Specialty Coffee Association. (2024). *A system to assess coffee value: Understanding the SCA's coffee value assessment*. Specialty Coffee Association.

- Toledo, P. R. A., Pezza, L., Pezza, H. R., & Toci, A. T. (2016). Relationship between the different aspects related to coffee quality and their volatile compounds. *Comprehensive Reviews in Food Science and Food Safety*, 15(4), 705–719. <https://doi.org/10.1111/1541-4337.12205>
- Wang, X., Wang, Y., Hu, G., Hong, D., Guo, T., Li, J., Li, Z., & Qiu, M.-H. (2022). Review on factors affecting coffee volatiles: From seed to cup. *Journal of the Science of Food and Agriculture*, 102(4), 1341–1352. <https://doi.org/10.1002/jsfa.11647>
- Wooding, S. P., Ramirez, V. A., & Behrens, M. (2021). Bitter taste receptors: Genes, evolution and health. *Evolution, medicine, and public health*, 9(1), 431–447. <https://doi.org/10.1093/emph/eoab031>
- Wolinska-Kennard, K., Schönberger, C., Fenton, A., & Sahin, A. W. (2025). Mouthfeel of Food and Beverages: A Comprehensive Review of Physiology, Biochemistry, and Key Sensory Compounds. *Comprehensive reviews in food science and food safety*, 24(4), e70223. <https://doi.org/10.1111/1541-4337.70223>
- Wu, X., Miyake, K., Tahara, Y., Fujimoto, H., Iwai, K., Narita, Y., Hanzawa, T., Kobayashi, T., Kakiuchi, M., Arikawa, S., Fukunaga, T., Ikezaki, H., & Toko, K. (2020). Quantification of bitterness of coffee in the presence of high-potency sweeteners using taste sensors. *Sensors and Actuators B: Chemical*, 309, 127784. <https://doi.org/10.1016/j.snb.2020.127784>
- Yeager, S. E., Batali, M. E., Guinard, J. X., & Ristenpart, W. D. (2023). Acids in coffee: A review of sensory measurements and meta-analysis of chemical composition. *Critical reviews in food science and nutrition*, 63(8), 1010–1036. <https://doi.org/10.1080/10408398.2021.1957767>