

## DAFTAR PUSTAKA

- Agustina, N. (2023). *Sourdough Air Fermentasi Salak dan Pengaruhnya pada Karakteristik Tekstur Roti Tepung Beras*. Universitas Gadjah Mada, Yogyakarta.
- Aldughpassi, A., Zafar, T., Sidhu, J. S., Al-Hassawi, F., Abdullah, M. M., & Al-Othman, A. (2020). Effect of Psyllium Husk, Bran, and Raw Wheat Germ Addition on the Rheological Characteristics of Arabic (Pita) Bread Dough. *International Journal of Food Science*, 2020(1), 1–10. <https://doi.org/10.1155/2020/8867402>
- AOAC. (1990). *Official Methods of Analysis* (15 ed.). Association of Official Analytical Chemists.
- Aplevicz, K. S., Mazo, J. Z., Neto, N. K. D. S., Nalevaiko, F. S., & Sant'anna, E. S. (2014). Evaluation of sourdoughs for the production of bread using spontaneous fermentation technique. *Acta Scientiarum - Technology*, 36(4), 713–719. <https://doi.org/10.4025/actascitechnol.v36i4.19703>
- Arora, K., Ameer, H., Polo, A., Cagno, R. di, Rizzello, C. G., & Gobbetti, M. (2021). Thirty years of knowledge on sourdough fermentation: A systematic review. *Trends in Food Science and Technology*, 108, 71–83. <https://doi.org/10.1016/j.tifs.2020.12.008>
- Asyikeen, Z. N., Maaruf, A. G., Kho, H. C., & Chong, F. C. (2019). The effects of frozen storage on the Physico-chemical characteristics of bread prepared using yeast isolated from different plant sources. *Bioscience Research*, 16, 276–287. Diambil dari [www.isisn.org](http://www.isisn.org)
- Badan Pusat Statistik. (2021a). Produksi Tanaman Buah-buahan 2020. Diambil 26 September 2021, dari <https://www.bps.go.id/indicator/55/62/1/produksi-tanaman-buah-buahan.html>
- Badan Pusat Statistik. (2021b). Rata-rata Konsumsi Perkapita Seminggu di Daerah Perkotaan dan Pedesaan Menurut Komoditi Makanan dan Golongan Pengeluaran per Kapita Seminggu (Satuan Komoditas), 2019-2020. Diambil 25 September 2021, dari <https://www.bps.go.id/indicator/5/2090/1/rata-rata-konsumsi-perkapita-seminggu-di-daerah-perkotaan-dan-pedesaan-menurut-komoditi-makanan-dan-golongan-pengeluaran-per-kapita-seminggu.html>.
- Belorio, M., & Gómez, M. (2020). Effect of hydration on gluten-free breads made with hydroxypropyl methylcellulose in comparison with psyllium and xanthan gum. *Foods*, 9(11), 1–10. <https://doi.org/10.3390/foods9111548>
- Cagno, R. di, Cardinali, G., Minervini, G., Antonielli, L., Rizzello, C. G., Ricciuti, P., & Gobbetti, M. (2010). Taxonomic structure of the yeasts and lactic acid

bacteria microbiota of pineapple (*Ananas comosus* L. Merr.) and use of autochthonous starters for minimally processing. *Food Microbiology*, 27(3), 381–389. <https://doi.org/10.1016/j.fm.2009.11.012>

Calvert, M. D., Madden, A. A., Nichols, L. M., Haddad, N. M., Lahne, J., Dunn, R. R., & McKenney, E. A. (2021). A review of sourdough starters: ecology, practices, and sensory quality with applications for baking and recommendations for future research. *PeerJ*, 1–37. <https://doi.org/10.7717/peerj.11389>

Cappelli, A., Guerrini, L., Cini, E., & Parenti, A. (2019). Improving whole wheat dough tenacity and extensibility: A new kneading process. *Journal of Cereal Science*, 90, 1–7. <https://doi.org/10.1016/j.jcs.2019.102852>

Catzeddu, P. (2011). Sourdough Breads. Dalam *Flour and Breads and their Fortification in Health and Disease Prevention* (hlm. 37–46). Elsevier. <https://doi.org/10.1016/B978-0-12-380886-8.10004-2>

Chinma, C. E., Anuonye, J. C., Ocheme, O. B., Abdullahi, S., Oni, S., Yakubu, C. M., & Azeez, S. O. (2016). Effect of acha and bambara nut sourdough flour addition on the quality of bread. *LWT - Food Science and Technology*, 70, 223–228. <https://doi.org/10.1016/j.lwt.2016.02.050>

Comasio, A., Kerrebroeck, S. van, & Vuyst, L. de. (2021). Lemon juice and apple juice used as source of citrate and malate, respectively, enhance the formation of buttery aroma compounds and/or organic acids during Type 2 and Type 3 sourdough productions performed with *Companilactobacillus crustorum* LMG 23699. *International Journal of Food Microbiology*, 289, 88–105. <https://doi.org/10.1016/j.ijfoodmicro.2020.109020>

Erasmus+. (2017). *Best Bread Production Handbook 2018 2 Contents*. Estonia, Romania, Turkiye. Diambil dari <https://ec.europa.eu/programmes/erasmus-plus/project-result-content/615f0f23-9ea5-4bc9-b154-fb72b36fdd68/Best%20Bread%20Production%20Handbook%20EN.pdf>

Farid Hossain, Md. (2015). Nutritional Value and Medicinal Benefits of Pineapple. *International Journal of Nutrition and Food Sciences*, 4(1), 84. <https://doi.org/10.11648/j.ijnfs.20150401.22>

Fennema, O. R. (1996). *Food chemistry* (3th ed.). New York: Marcel Dekker.

Franco, W., Evert, K., & Van Nieuwenhove, C. (2021). Quinoa flour, the germinated grain flour, and sourdough as alternative sources for gluten-free bread formulation: Impact on chemical, textural and sensorial characteristics. *Fermentation*, 7(3). <https://doi.org/10.3390/fermentation7030115>

- Gobbetti, M., & Gänzle, M. (2013). *Handbook on Sourdough Biotechnology*. New York: Springer Science+Business Media.
- Gordún, E., Valle, L. J. del, Ginovart, M., & Carbó, R. (2015). Comparison of the microbial dynamics and biochemistry of laboratory sourdoughs prepared with grape, apple and yogurt. *Food Science and Technology International*, 21(6), 428–439. <https://doi.org/10.1177/1082013214543033>
- Gujral, H. S., & Rosell, C. M. (2004). Functionality of rice flour modified with a microbial transglutaminase. *Journal of Cereal Science*, 39(2), 225–230. <https://doi.org/10.1016/j.jcs.2003.10.004>
- Huebner, F. R., Bietz, J. A., Webb, B. D., & Julian, B. O. (1990). Rice Cultivar Identification by High-Performance Liquid Chromatography of Endosperm Proteins. *Source*, 67(2), 129–135.
- Indriani, D. O., Noer, L., Syamsudin, I., Sriherfyna, F. H., & Wardani, A. K. (2015). Invertase dari *Aspergillus niger* dan Aplikasi Industri. *Jurnal Pangan Dan Agroindustri*, 3(4), 1405–1411.
- Khoury, D. el, Balfour-Ducharme, S., & Joye, I. J. (2018). A review on the gluten-free diet: Technological and nutritional challenges. *Nutrients*, 10(10), 1–25. <https://doi.org/10.3390/nu10101410>
- Lau, S. W., Chong, A. Q., Chin, N. L., Talib, R. A., & Basha, R. K. (2021, Juli 1). Sourdough microbiome comparison and benefits. *Microorganisms*, Vol. 9. MDPI AG. <https://doi.org/10.3390/microorganisms9071355>
- Lhomme, E., Lattanzi, A., Dousset, X., Minervini, F., de Angelis, M., Lacaze, G., ... Gobbetti, M. (2015). Lactic acid bacterium and yeast microbiotas of sixteen French traditional sourdoughs. *International Journal of Food Microbiology*, 215, 161–170. <https://doi.org/10.1016/j.ijfoodmicro.2015.09.015>
- Liu, X. li, Mu, T. hua, Sun, H. nan, Zhang, M., & Chen, J. wang. (2016). Influence of potato flour on dough rheological properties and quality of steamed bread. *Journal of Integrative Agriculture*, 15(11), 2666–2676. [https://doi.org/10.1016/S2095-3119\(16\)61388-6](https://doi.org/10.1016/S2095-3119(16)61388-6)
- Marco, C., & Rosell, C. M. (2008). Breadmaking performance of protein enriched, gluten-free breads. *European Food Research and Technology*, 227(4), 1205–1213. <https://doi.org/10.1007/s00217-008-0838-6>
- Michel, E., Monfort, C., Deffrasnes, M., Guezenec, S., Lhomme, E., Barret, M., ... Onno, B. (2016). Characterization of relative abundance of lactic acid bacteria species in French organic sourdough by cultural, qPCR and MiSeq high-throughput sequencing methods. *International Journal of Food Microbiology*, 239, 35–43. <https://doi.org/10.1016/j.ijfoodmicro.2016.07.034>

- Minervini, F., Lattanzi, A., De Angelis, M., Di Cagno, R., & Gobbetti, M. (2012). Influence of artisan bakery- or laboratory-propagated sourdoughs on the diversity of lactic acid bacterium and yeast microbiotas. *Applied and Environmental Microbiology*, 78(15), 5328–5340. <https://doi.org/10.1128/AEM.00572-12>
- Nguyen, B. T., Bujna, E., Fekete, N., Tran, A. T. M., Rezessy-Szabo, J. M., Prasad, R., & Nguyen, Q. D. (2019). Probiotic beverage from pineapple juice fermented with *Lactobacillus* and *Bifidobacterium* strains. *Frontiers in Nutrition*, 6. <https://doi.org/10.3389/fnut.2019.00054>
- Puerta, P., Garzón, R., Rosell, C. M., Fiszman, S., Laguna, L., & Tárrega, A. (2021). Modifying gluten-free bread's structure using different baking conditions: Impact on oral processing and texture perception. *LWT*, 140, 1–8. <https://doi.org/10.1016/j.lwt.2020.110718>
- Ramos, L., Alonso-Hernando, A., Martínez-Castro, M., Morán-Pérez, J. A., Cabrero-Lobato, P., Pascual-Maté, A., ... Mujico, J. R. (2021, Juli 1). Sourdough biotechnology applied to gluten-free baked goods: Rescuing the tradition. *Foods*, Vol. 10. MDPI AG. <https://doi.org/10.3390/foods10071498>
- Ratih, Y. M. P. (2017). *Aplikasi Sari Belimbing Wuluh (Averrhoa blimbi) Sebagai Asidulan Terhadap Karakteristik Fisikokimia Roti Manis Berbasis Tepung Gapek*. Universitas Katolik Soegijapranata, Semarang.
- Restuningtyas, A. D. (2023). *Sourdough Air Fermentasi Papaya (Carica papaya L.) dan Pengaruhnya pada Karakteristik Tekstur Roti Tepung Beras*. Universitas Gadjah Mada, Yogyakarta.
- Ripari, V., Cecchi, T., & Berardi, E. (2016). Microbiological characterisation and volatiles profile of model, ex-novo, and traditional Italian white wheat sourdoughs. *Food Chemistry*, 205, 297–307. <https://doi.org/10.1016/j.foodchem.2016.02.150>
- Sanggramasari, S. (2018). Penggunaan Air Fermentasi Strawberry sebagai Natural Starter Pembuatan Soft Roll. *BARISTA: Jurnal Kajian Bahasa Dan Pariwisata*, 5(2), 215–221. <https://doi.org/10.34013/barista.v5i2.123>
- Savkina, O., Kuznetsova, L., Parakhina, O., Lokachuk, M., & Pavlovskaya, E. (2019). Impact of using the developed starter culture on the quality of sourdough, dough and wheat bread. *Agronomy Research*, 17(2), 1435–1451. <https://doi.org/10.15159/AR.19.138>
- Scarton, M., Ganancio, J. R. C., Avelar, M. H. M. de, Clerici, M. T. P. S., & Steel, C. J. (2021). Lime juice and enzymes in clean label pan bread: baking quality and preservative effect. *Journal of Food Science and Technology*, 58(5), 1819–1828. <https://doi.org/10.1007/s13197-020-04693-y>

- Scheuer, P. M., Ferreira, J. A. S., Mattioni, B., Miranda, M. Z. de, & Francisco, A. de. (2015). Optimization of image analysis techniques for quality assessment of whole-wheat breads made with fat replacer. *Food Science and Technology (Brazil)*, 35(1), 133–142. <https://doi.org/10.1590/1678-457X.6560>
- Shiau, S. Y., Wu, M. Y., & Liu, Y. L. (2015). The effect of pineapple core fiber on dough rheology and the quality of mantou. *Journal of Food and Drug Analysis*, 23(3), 493–500. <https://doi.org/10.1016/j.jfda.2014.10.010>
- Sigüenza-Andrés, T., Gallego, C., & Gómez, M. (2021). Can cassava improve the quality of gluten free breads? *LWT*, 149, 1–6. <https://doi.org/10.1016/j.lwt.2021.111923>
- Sunpride. (2016). Nanas Honi. Diambil 26 Agustus 2022, dari <https://www.sunpride.co.id/product/nanas-honi/>
- Supasil, R., Suttisansanee, U., Santivarangkna, C., Tangsuphoom, N., Khemthong, C., Chupeerach, C., & On-nom, N. (2022). Improvement of Sourdough and Bread Qualities by Fermented Water of Asian Pears and Assam Tea Leaves with Co-Cultures of *Lactiplantibacillus plantarum* and *Saccharomyces cerevisiae*. *Foods*, 11(14). <https://doi.org/10.3390/foods11142071>
- Vilanova, M. G., Díez, C., Quirino, B., & Álava, J. I. (2015). Microbiota distribution in sourdough: Influence of high sucrose resistant strains. *International Journal of Gastronomy and Food Science*, 2(2), 98–102. <https://doi.org/10.1016/j.ijgfs.2015.01.002>
- Vuyst, L. de, van Kerrebroeck, S., & Leroy, F. (2017). Microbial Ecology and Process Technology of Sourdough Fermentation. *Advances in Applied Microbiology*, 100, 49–160. <https://doi.org/10.1016/bs.aambs.2017.02.003>
- Yu, Y., Wang, L., Qian, H., Zhang, H., & Qi, X. (2018). Contribution of spontaneously-fermented sourdoughs with pear and navel orange for the bread-making. *LWT*, 89, 336–343. <https://doi.org/10.1016/j.lwt.2017.11.001>
- Zaidiyah, Lubis, Y. M., Putri, C. A. R. G., & Rohaya, S. (2020). Physicochemical properties of sourdough bread made from local variety sweet potato and pineapple juice. *IOP Conference Series: Earth and Environmental Science*, 425(1), 1–8. Banda Aceh, Indonesia. <https://doi.org/10.1088/1755-1315/425/1/012079>
- Zhou, H., Jin, Y., Hong, T., Yang, N., Cui, B., Xu, X., & Jin, Z. (2022). Effect of static magnetic field on the quality of frozen bread dough. *Lwt*, 154, 112670. <https://doi.org/10.1016/j.lwt.2021.112670>