

DAFTAR PUSTAKA

- Abiyyah, A., Oktavia, Y., Jumsurizal, & Wulandari. (2025). Isolation and characterisation of lactic acid bacteria in cincalok from Pengujan Village, Riau Islands. *Sriwijaya Journal of Environment*, 10(1), 17-21. <https://doi.org/10.22135/sje.2025.10.1.17-21>
- Aditia, R. P., Desniar, & Trilaksani, W. (2018). Aktivitas antioksidan dan antibakteri hidrolisat protein hasil fermentasi telur ikan cakalang. *Jurnal Pengolahan Hasil Perikanan Indonesia*, 21(1), 1-12. <https://doi.org/10.17844/jphpi.v21i1.21256>
- Agustina, F., Rini, D. M., Kurnianto, M. A., & Priyanto, A. D. (2025). Perubahan parameter biokimia dan aktivitas antioksidan rusip selama periode fermentasi. *Jurnal Teknologi Pangan*, 19(2), 66-75.
- Anggo, A. D., Ma'ruf, W. F., Swastawati, F., & Rianingsih, L. (2015). Changes of amino and fatty acids in anchovy (*Stolephorus* sp.) fermented fish paste with different fermentation periods. *Procedia Environmental Sciences*, 23, 58-63. <https://doi.org/10.1016/j.proenv.2015.01.009>
- Baochao, H., Li'e, C., Su, C., Li, L., Yuyun, J., Baolei, L., & Yanjun, L. (2015). Penyaringan, identifikasi dan evaluasi awal sifat antioksidan bakteri asam laktat fungsional. *Bioteknologi*, 36(24), 145-152. <https://doi.org/10.13386/j.issn1002-0306.2015.24.023>
- Chen, W., Xie, C., He, Q., Sun, J., & Bai, W. (2023). Improvement in color expression and antioxidant activity of strawberry juice fermented with lactic acid bacteria: A phenolic-based research. *Food Chemistry: X*, 17, 100535. <https://doi.org/10.1016/j.fochx.2022.100535>
- Ernitasari, Nur, F., & Hafsan. (2023). Ikan fermentasi nusantara: Tradisi, manfaat gizi, dan kekayaan budaya (review). *Teknosains: Media Informasi dan Teknologi*, 17(3), 372-381.
- Felix, Hendrawan, S., Yulianti, E., & Ferdinal, F. (2024). Uji fitokimia, kapasitas antioksidan dan antimutagenik bunga turi (*Sesbania grandiflora* L.). *Jurnal Muara Sains, Teknologi, Kedokteran, dan Ilmu Kesehatan*, 8(2), 169-178. <https://doi.org/10.24912/jmstkik.v8i2.16397>

- Hu, Y., Zhao, Y., Jia, X., Liu, D., Huang, X., Wang, C., Zhu, Y., Yue, C., Deng, S., & Yu, Y. (2023). Lactic acid bacteria with a strong antioxidant function isolated from “Jiangshui,” pickles, and feces. *Frontiers in Microbiology*, 14, 1163662. <https://doi.org/10.3389/fmicb.2023.1163662>
- Jun, M., Fu, H. Y., Hong, J., Wan, X., Yang, C. S., & Ho, C. T. (2003). Comparison of antioxidant activities of isoflavones from kudzu root (*Pueraria lobata* Ohwi). *Journal of Food Science*, 68(6), 2117–2122. <https://doi.org/10.1111/j.1365-2621.2003.tb07029>.
- Khutwah, R. M. F., Haryati, S., & Aditia, R. P. (2024). Pengaruh pengawet karboksimetil kitosan pada bakso ikan kurisi (*Nemipterus japonicus*) selama penyimpanan suhu ruang. *Jurnal Perikanan dan Kelautan*, 14(2), 345-356.
- Kim, S., Lee, J. Y., Jeong, Y., & Kang, C. H. (2022). Antioxidant activity and probiotic properties of lactic acid bacteria. *Fermentation*, 8(1), 29. <https://doi.org/10.3390/fermentation8010029>
- Koesoemawardani, D., Hidayati, S., & Subeki. (2018). Amino acid and fatty acid compositions of rusip from fermented anchovy fish (*Stolephorus* sp.). *IOP Conference Series: Materials Science and Engineering*, 344(1), 012005. <https://doi.org/10.1088/1757-899X/344/1/012005>
- Künili, İ. E., Akdeniz, V., Akpınar, A., Budak, Ş. Ö., Curiel, J. A., Guzel, M., Karagözlü, C., Kasıkcı, M. B., Caruana, G. P., Starowicz, M., Humbolt, C., Keyvan, E., Chassard, C., Pracer, S., Vergères, G., & Kesenkas, H. (2025). Bioactive compounds in fermented foods: A systematic narrative review. *Frontiers in Nutrition*, 12, 1625816. <https://doi.org/10.3389/fnut.2025.1625816>
- Kuo, C. C., Chen, D. A., Jiménez-Flores, R., Wick, M., & Campanella, O. (2025). Sustainable valorization of fish byproducts and acid whey through lactic acid bacteria fermentation into bioactive hydrolysates. *Sustainable Food Technology*. <https://doi.org/10.1039/d5fb00444f>
- Leksono, T., Sari, I. N., & Rahayu, R. F. (2025). Pengaruh variasi kombinasi lama fermentasi terhadap kualitas peda ikan kembung (*Rastrelliger* sp.). *Acta Aquatica: Aquatic Sciences Journal*, 12(2), 154-159. <https://doi.org/10.29103/aa.v12i2.18651>

- Lepecka, A., Szymański, P., & Okoń, A. (2025). Isolation, identification, and evaluation of the antioxidant properties of lactic acid bacteria strains isolated from meat environment. *PLoS One*, 20(7), e0327225. <https://doi.org/10.1371/journal.pone.0327225>
- Lubis, Z. C. B. (2025). *Aktivitas antibakteri isolat bakteri asam laktat (BAL) dari cinalok terhadap Escherichia coli dan Listeria monocytogenes* [Skripsi, Universitas Maritim Raja Ali Haji].
- Mauludia, M., Usman, T., Rahmalia, W., Prayitno, D. I., & Nurbaeti, S. N. (2021). Ekstraksi, karakterisasi dan uji aktivitas antioksidan *Astaxanthin* dari produk fermentasi udang (cinalok). *Jurnal Kelautan Tropis*, 24(3), 311-322. <https://doi.org/10.14710/jkt.v24i3.10497>
- Murwani, R., Nofiani, R., Syahmurdiandi, N. M., & Ardiningsih, P. (2024). Isolation, molecular identification, and microbiome diversity of lactic acid bacteria from Indonesian fermented foods: Cinalok, tempoyak, and mandai. *International Journal of Food Science*, 2024, Article 6589766. <https://doi.org/10.1155/2024/6589766>
- Pamungkas, A., Sedayu, B. B., Hakim, A. R., Wulandari, P., Fauzi, A., & Novianto, T. D. (2023). Perkembangan penelitian aplikasi rumput laut sebagai bahan pangan di Indonesia: Tinjauan literatur. *Agrointek: Jurnal Teknologi Industri Pertanian*, 17(3), 557-570. <https://doi.org/10.21107/agrointek.v17i3.16484>
- Pribadhi, A. N., Kusdiyantini, E., & Ferniah, R. S. (2021). Identification of GABA-producing lactic acid bacteria from cinalok fermentation based on the 16S rRNA and *gad* genes. *Asian Journal of Pharmaceutical and Clinical Research*, 14(7), 102-106. <https://doi.org/10.22159/ajpcr.2021.v14i7.41645>
- Rohmah, J. (2022). Antioxidant activities using DPPH, FIC, FRAP, and ABTS methods from ethanolic extract of lempuyang gajah rhizome (*Zingiber zerumbet* (L.) Roscoe ex Sm.). *Jurnal Kimia Riset*, 7(2), 152-166.
- Sappana, G., Cindana, J., Agustin, R., Henes, V., & Rahmat, E. (2025). From shrimp to cinalok: A review of its fermentation, microbial composition, and health benefits. *IOP Conference Series: Earth and Environmental*

- Science*, 1564(1), 012001. <https://doi.org/10.1088/1755-1315/1564/1/012001>
- Seo, M. J. (2024). Fermented foods and food microorganisms: Antioxidant benefits and biotechnological advancements. *Antioxidants*, 13, 1120. <https://doi.org/10.3390/antiox13091120>
- Subakti, F. B., Lenny, S., & Tarigan, J. B. (2025). Phytochemical screening, determination of total phenolic contents and total flavonoid contents of pod purified extract from *Caesalpinia pulcherrima* (L.) Sw. *Journal of Chemical Natural Resources*, 7(1), 10-19. <https://doi.org/10.32734/jcnar.v7i1.19353>
- Susanti, Y., Purba, A. V., & Rahmat, D. (2020). Nilai antioksidan dan SPF dari kombinasi minyak biji wijen (*Sesamum indicum* L.) dan minyak biji bunga matahari (*Helianthus annuus* L.). *Majalah Farmaseutik*, 16(1), 107–110. <https://doi.org/10.22146/farmaseutik.v16i1.52243>
- Suteja, I. I., Wijanarka, W., & Kusdiyantini, E. (2022). Uji dan identifikasi aktivitas antioksidan isolat BAL CIN-2 hasil isolasi cincalok. *Jurnal Penelitian Saintek*, 27(1), 49-60. <https://doi.org/10.21831/jps.v1i1.44187>
- Tandoro, Y., Widyawati, P. S., Budianta, T. D. W., & Sumargo, G. (2020). Phytochemical identification and antioxidant activity of *Passiflora foetida* fruits and leaves extracts: A comparative study. *International Journal of Pharmacy and Pharmaceutical Sciences*, 12(6), 1-8.
- Techoei, S., Jarmkom, K., Dumrongphutthidecha, T., & Khobjai, W. (2023). Bioactive compound and chemical characterization of lactic acid bacteria from fermented food as bio-preservative agents to control food-borne pathogens. *Journal of Pharmacy and Pharmacognosy Research*, 11(6), 1044-1055. https://doi.org/10.56499/jppres23.1713_11.6.1044
- Theafelicia, Z., & Wulan, N. S. (2023). Perbandingan berbagai metode pengujian aktivitas antioksidan (DPPH, ABTS dan FRAP) pada teh hitam (*Camellia sinensis*). *Jurnal Teknologi Pertanian*, 24(1), 35-44.
- Utari, A., & Warly, L. (2021). Tannin contents of jackfruit leaves (*Artocarpus heterophyllus*) extract and moringa leaves (*Moringa oleifera*) extract as functional additive feed in ruminant livestock. *IOP Conference Series*:

Earth and Environmental Science, 757(1), 012054.
<https://doi.org/10.1088/1755-1315/757/1/012054>

Vougiouklaki, D., Tsironi, T., Tsantes, A. G., Tsakali, E., Van Impe, J. F. M., & Houhoula, D. (2023). Probiotic properties and antioxidant activity in vitro of lactic acid bacteria. *Microorganisms*, 11(5), 1264.
<https://doi.org/10.3390/microorganisms11051264>

Wang, J., Zhang, J., Guo, H., Cheng, Q., Abbas, Z., Tong, Y., Yang, T., Zhou, Y., Zhang, H., Wei, X., Si, D., & Zhang, R. (2023). Optimization of exopolysaccharide produced by *Lactobacillus plantarum* R301 and its antioxidant and anti-inflammatory activities. *Foods*, 12(13), 2481.
<https://doi.org/10.3390/foods12132481>

Zhao, J., Zhao, J., Zang, J., Peng, C., Li, Z., & Zhang, P. (2024). Isolation, identification, and evaluation of lactic acid bacteria with probiotic potential from traditional fermented sour meat. *Frontiers in Microbiology*, 15, 1421285. <https://doi.org/10.3389/fmicb.2024.1421285>

