

DAFTAR PUSTAKA

- Alessandro, B., & Venturi F (2025). Enhancing the shelf life of food products: Strategies, challenges, and innovations. *Foods*, 14(23), 4034. <https://doi.org/10.3390/foods14234034>
- Anisya, A., Prayitno, D. I., & Idiawati, N. (2024). Extraction and Characterization of Collagen in *Acaudina molpadioides* Sand Sea Cucumber from the Waters of Jawai, West Kalimantan. *Journal of Equatorial Seas*, 7(2), 133. <https://doi.org/10.26418/lkuntan.v7i2.64615>
- Ariani, N. M., & Mahmudah, L. (2017). *Recycle of aluminium foil waste from packaging as coagulant on wastewater treatment*. Jurnal Teknologi Proses dan Inovasi Industri, 2(2), 71-75.
- Arif, A. B. (2016). Metode *Accelerated Shelf Life Test* (ASLT) dengan pendekatan *Arrhenius* dalam pendugaan umur simpan sari buah nanas, pepaya dan cempedak. *Informatika Pertanian*, 25(2), 189–198
- Bourdoux, S., Li, D., Rajkovic, A., Devlieghere, F., & Uyttendaele, M. (2016). Performance of drying technologies to ensure microbial safety of dried fruits and vegetables. *Comprehensive Reviews in Food Science and Food Safety*, 15(6), 1121-1132.
- Choosuk, N., Meesuk, P., Renumarn, P., Phungamngoen, C., Jakkranhawat, N. (2022). Kinetic modeling of quality changes and shelf life prediction of dried coconut chips. *Processes*, 10(7), 1392. <https://doi.org/10.3390/pr10071392>
- Dacosta, E. D., Tjendanawangi, A., & Dahoklory, N. (2024). Kepadatan dan Morfometrik Teripang Pasir *Holothuria scabra* di Perairan Koblain Desa Hansisi, Kecamatan Kupang Barat. *Jurnal Sains dan Teknologi Perikanan*.
- Damodaran, S., Parkin, K. L., & Fennema, O. R. (2017). *Fennema's food chemistry*. CRC Press.
- Darniadi, S., Rachmat, R., Luna, P., Purwani, W., & Sandrasari, D. A. (2020). Penentuan umur simpan menggunakan metode *Accelerated Shelf Life Test* (ASLT) pada bubuk minuman instan stroberi *foam-mat drying*. *Jurnal Aplikasi Teknologi Pangan*, 9(4), 151-157. <https://doi.org/10.17728/jatp.7539>
- Djenidi, F., González-Wangüemert, M., Ouali, K., & Andalossi, M. (2024). Length-weight relationships of the prized sea cucumber *Holothuria arguinensis* in the northeastern Atlantic. *Animals*, 14(5), 756. <https://doi.org/10.3390/ani14050756>
- Ebrahimi, P., Mihaylova, D., & Lante, A. (2024). A critical review on the stability of natural food pigments and stabilization techniques. *Food Research International*, 183, 114234. <https://doi.org/10.1016/j.foodres.2024.114234>
- Elfath, M. B. A., Sumartini, S., & Pratama, G. (2020). Minuman fungsional teripang pasir (*Holothuria scabra*) dan teripang hitam (*H. atra*). *Marinade*, 3(1), 47–58.

- Ermawati, E. (2019). *Pendampingan peranan dan fungsi kemasan produk dalam dunia pemasaran Desa Yosowilangun Lor. Empowerment Society*, 2(2), 15-22. STIE Widya Gama Lumajang.
- Faridah, D. N., Yasni, S., Suswantinah, A., & Aryani, G. W. (2013). Pendugaan umur simpan dengan metode *accelerated shelf-life testing* pada produk bandrek instan dan sirup buah pala (*Myristica fragrans*). *Jurnal Ilmu Pertanian Indonesia*, 18(3), 144-153.
- Fauzia, N. (2023). *Kajian umur simpan keju cheddar olahan menggunakan metode accelerated shelf life test (ASLT) model arrhenius*. [Skripsi]. Universitas Pasundan. Bandung.
- Hastuti, A., Rahmawati, A., Muhareza, I., Choironi, N., Pradita, A.P., Muthiatulmillh, S (2023). Analisis pendugaan umur simpan produk pangan beku dalam kemasan menggunakan metode Accelerated Shelf Life Testing (ASLT) model Arrhenius. *Karimah Tauhid*, 2(3), 1–10.
- Hernández-Alcántara, P., & Solís-Weiss, V. (2024). *Morphometric and taxonomic approach to describe Heterospio variabilis (Annelida, Longosomatidae), a new species with three size-dependent morphotypes, from the Gulf of California, Eastern Pacific*. *PeerJ*, 12, e17093
- Hidayat, T., Suyatma, N. E., & Hariyadi, P. (2021). The estimation of shelf life of instant porridge in the different packaging with method of accelerated shelf life testing of Arrhenius model. *IOP Conference Series: Earth and Environmental Science*, 672, 012060. <https://doi.org/10.1088/1755-1315/672/1/012060>
- Hou, R., Zhang, L., & Wang, X. (2022). Research and analysis of shelf life model prediction based on Arrhenius equation. *Proceedings of the 2022 5th International Conference on E-Business, Information Management and Computer Science*, 334–339. <https://doi.org/10.1145/3584748.3584782>
- Husnani, & Ningsih, T. W. (2023). *Formulasi minuman serbuk instan dari campuran buah dan sayur*. *Jurnal Komunitas Farmasi Nasional*, 3(1), 440-451.
- Husnani, & Zulfritri, R. (2022). Uji stabilitas fisik sediaan serbuk instan dengan kombinasi jahe, temulawak, kunyit dan sereh. *Jurnal Komunitas Farmasi Nasional*, 2(2), 409-425.
- Ijayanti, N., Listanti, R., & Ediati, R. (2020). Pendugaan umur simpan serbuk wedang uwuh menggunakan metode ASLT (Accelerated Shelf Life Testing) dengan pendekatan Arrhenius. *Jurnal Agrikultur dan Teknik Biosistem*, 1(1), 46–60.
- Imroni, W., Wahyuni, S., & Faradilla, R. H. F. (2025). Pendugaan umur simpan produk tepung non-terigu dalam kemasan menggunakan metode ASLT (*Accelerated Shelf Life Testing*): Kajian pustaka. *Jurnal Riset Pangan*, 3(2), 287-296.
- Kustiariyah. (2007). *Teripang sebagai sumber pangan dan bioaktif*. *Buletin Teknologi Hasil Perikanan*, 10(1), 1-8.

- Lee, L. Y., Shim, J. S., Rukayadi, Y., & Hwang, J. K. (2008). Antibacterial activity of xanthorrhizol isolated from *Curcuma xanthorrhiza* Roxb. against foodborne pathogens. *Journal of Food Protection*, 71(9), 1926-1930. <https://doi.org/10.4315/0362-028X-71.9.1926>
- Leviana, W., & Paramita, V. (2017). Pengaruh suhu terhadap kadar air dan aktivitas air dalam bahan pada kunyit (*Curcuma longa*) dengan alat pengering electrical oven. *METANA*, 13(2), 37-44. Universitas Diponegoro.
- Maria, S., Budaraga, I. K., & Hermalena, L. (2017). Pendugaan umur simpan minuman corens dengan metode *Arrhenius*. *UNES Journal Mahasiswa Pertanian*, 1(1), 34-42.
- Masrikhiyah, R. (2021). Aktivitas antioksidan dan total fenolik rumput laut *Gracilaria* sp. kabupaten Brebes. *Jurnal Pengolahan Hasil Perikanan Indonesia*, 24(2), 236-242. <https://doi.org/10.17844/jphpi.v24i2.34020>
- Nirwana, N. K., Eris, F. R., Riyanto, R. A., & Putri, N. A. (2022). Pendugaan umur simpan food bar talas beneng metode Accelerated Shelf-Life Testing (ASLT) model *Arrhenius* dengan kemasan alumunium foil. Prosiding Seminar Nasional Instiper, 1(1), 323–331. <https://doi.org/10.55180/pro.v1i1.269>
- Novita, E., Purbasari, D., & Mubarak, S. (2021). Pendugaan umur simpan bubuk kopi arabika menggunakan metode *Arrhenius* dengan kemasan aluminium foil dan plastik (polipropilen). *Jurnal Teknik Pertanian Lampung (Journal of Agricultural Engineering)*, 10(3), 392–401. <https://doi.org/10.23960/jtep-l.v10i3.392-401>
- Nuraini, A., & Widanti, Y. A. (2020). Pendugaan Umur Simpan Makanan Tradisional Berbahan Dasar Beras dengan Metode *Accelerated Shelf-Life Testing* (ASLT) melalui Pendekatan *Arrhenius* dan kadar air Kritis. *Jurnal Pangan*, 5(3), 107-112.
- Nuraini, V., & Widanti, Y. A. (2020). Pendugaan Umur Simpan Makanan Tradisional Berbahan Dasar Beras Dengan Metode *Accelerated Shelf-Life Testing* (ASLT) Melalui Pendekatan *Arrhenius* Dan kadar air Kritis. *Jurnal Agroteknologi*, 14(02), 189-198.
- Panigoro, M. I., Une, S., & Ahmad, L. (2022). Prediksi umur simpan dan pengaruh metode pengemasan terhadap aktivitas mikrobiologi bubur jagung instan terfortifikasi ekstrak daun kersen. *Jambura Journal of Food Technology*, 4(2), 149-157.
- Paul, B. N., Chanda, S., Das, S., Sridhar, N., Saha, G. S., & Giri, S. S. (2015). Seasonal variation in proximate and mineral composition of Koi (*Anabas testudineus*, Bloch 1792). *Animal Nutrition and Feed Technology*, 15(3), 465-470. <https://doi.org/10.5958/0974-181X.2015.00047.5>
- Peleg, M. (2019). Modeling degradation kinetics in dry foods storage under varying temperature and moisture content—Theoretical evaluation. *Food Engineering Reviews*, 11(1), 1–13. <https://doi.org/10.1007/s12393-018-9185-y>

- Pitt, J. I., & Hocking, A. D. (2022). *Fungi and food spoilage* (4th ed.). Springer. ISBN: 9783030854218.
- Puspitasari, E., Sutan, M.S., Iastriyanto, A. (2020). Pendugaan umur simpan keripik kelapa (*Cocos nucifera* L.) menggunakan metode Accelerated Shelf-Life Testing (ASLT) model pendekatan persamaan Arrhenius. *Jurnal Keteknik Pertanian Tropis dan Biosistem*, 8(1).
- Putri, A. K., Sari, L. K., Muslih, M., Fikriyya, N., & Haryati, A. (2023). *Meristic and morphometric characters of the invasive-alien fish species Parachromis managuensis (Günther, 1867) in Penjalin Reservoir, Brebes, Central Java. Jurnal Sumberdaya Akuatik Indopasifik*, 7(1), 1-12. <https://doi.org/10.46252/jsai-fpik-unipa.2023.Vol.7.No.1.288>
- Putri, R. M. S., & Amrizal, S. N. (2020). *Optimization formula of instant powder functional drinks from Brunok (Acaudina molpadioides) using foam drying method. Akuatikisile: Jurnal Akuakultur, Pesisir dan Pulau-Pulau Kecil*, 4(2), 73-78. <https://doi.org/10.29239/j.akuatikisile.4.2.73-78>
- Putri, R. M. S., Nurjanah, & Tarman, K. (2013). *Studi penerimaan konsumen pada minuman serbuk lintah laut (Discodoris sp.)*. *Jurnal Teknologi Pertanian*, 2(1), 13-21.
- Putri, R. M. S., Nurjanah, & Tarman, K. (2018). Pendugaan Umur Simpan Serbuk Minuman Fungsional Lintah Laut (*Discodoris Sp.*) Dengan Metode Accelerated Shelf Life Test (Aslt): Model Arrhenius. *Marinade*, 01(01), 45–55.
- Rahmat, E., Lee, J., & Kang, Y. (2021). Javanese turmeric (*Curcuma xanthorrhiza* Roxb.): Ethnobotany, phytochemistry, biotechnology, and pharmacological activities. *Evidence-Based Complementary and Alternative Medicine*, 2021, Article 9960813. <https://doi.org/10.1155/2021/9960813>
- Reinaldi, D., Viruly, L., & Oktavia, Y. (2024). PEMBUATAN KOLAGEN DARI BERUNOK (*Acaudina molpadioides*) DENGAN EKSTRAKSI ASAM. *Marinade*, 7(01), 63-67.
- Rodriguez-Amaya, D. B., & Amaya-Farfan, J. (Eds.). (2021). *Chemical changes during processing and storage of foods: Implications for food quality and human health*. Academic Press (Elsevier). ISBN: 9780128173800.
- Ruhaeni., Zainuri., Utama, Q, D(2025). Pendugaan Umur Simpan Sale Lilit Menggunakan Metode Accelerated Shelf-Life Testing (ASLT) Model Arrhenius, *Jurnal Teknologi dan Mutu Pangan*, Vol. 3(2), hlm. 121–135.
- Rusli, M. S., Nuryanti, A., Fitria, R., Budiani, A. R., & Fiprina, N. F. (2022). *Pendugaan umur simpan produk minuman ginger latte menggunakan model Arrhenius*. *Jurnal Teknologi Industri Pertanian*, 32(2), 188-196.
- Silaban, R., Rahajaan, J. A., & Ohoibor, M. H. (2022). Density and Diversity of Sea Cucumbers (Holothuroidea) in Letman Waters, Southeast Maluku. *Journal of Indo-Pacific Aquatic Resources*, 6(4), 361-376. <https://doi.org/10.46252/jsai-fpik-unipa.2022.Vol.6.No.4.236>

- Simangunsong, G., Windarti, & Putra, R. M. (2023). Morfometrik Meristik dan Identifikasi Jenis Ikan Alu-alu (*Sphyræna* spp) dari Perairan Sibolga. *Jurnal Ilmu Perairan (Aquatic Science)*, 11(3), 180–183.
- Suhaera, S., Rachmayanti, A. S., & Aoliyaninda, N. (2020). *Aktivitas antibakteri ekstrak bronok (Acaudina molpadioides) terhadap pertumbuhan bakteri Staphylococcus aureus dan Escherichia coli*. Jurnal Surya Medika (JSM), 8(3), 133-137. Universitas Muhammadiyah Palangkaraya. <https://doi.org/10.33084/jsm.v8i3>
- Sumartini, S., Suliasih, N., & Lufni, L. (2023). Kajian umur simpan bumbu serbuk jamur tiram (*Pleurotus ostreatus*) menggunakan metode accelerated shelf-life testing (ASLT). *Pasundan Food Technology Journal*, 10(2), 57-63.
- Surahman, D. N., Ekafitri, R., Miranda, J., Cahyadi, W., Desnilasari, D., Ratnawati, L., & Indriati, A. (2020). Pendugaan umur simpan snack bar pisang dengan metode Arrhenius pada suhu penyimpanan yang berbeda. *Biopropal Industri*, 11(2), 127-137. <http://dx.doi.org/10.36974/jbi.v11i2.5898>
- Tapia, M. S., Alzamora, S. M., & Chirife, J. (2020). Effects of water activity (aw) on microbial stability as a hurdle in food preservation. Dalam G. V. Barbosa-Cánovas, A. J. Fontana, S. J. Schmidt, & T. P. Labuza (Eds.), *Water Activity in Foods: Fundamentals and Applications* (hlm. 323-355). Wiley. <https://doi.org/10.1002/9781118765982.ch14>
- Traverso, F., Aicardi, S., Bozzo, M., Zinni, M., Amaroli, A., Galli, L., Candiani, S., Vanin, S., & Ferrando, S. (2024). *New Insights into Geometric Morfometrik Applied to Fish Scales for Species Identification*. *Animals*, 14(7), 1090. <https://doi.org/10.3390/ani14071090>
- Tryas, A. A., Ikhsanti, A. M., Astawan, M., Saraswati, S., Saithong, P., & Chitisankul, W. T. (2025). Shelf-life estimation of tempe drink powder by the ASLT method. *BIO Web of Conferences*, 186, 04005. <https://doi.org/10.1051/bioconf/202518604005>
- Weiss, D., Stangierski, J., Baranowska, H. M., & Rezler, R. (2018). Kinetic models of quality parameters of spreadable processed Gouda cheese during storage. *Food Science and Biotechnology*, 27(5), 1467–1476. <https://doi.org/10.1007/s10068-018-0377-2>
- Widianingsih, W., & Hartati, R. (2023). *Nutritional value of sea cucumber Acaudina molpadioides from Delta Wulan Estuary, Demak Regency, Central of Java, Indonesia*. *IOP Conference Series: Earth and Environmental Science*, 1289(1), 012005. <https://doi.org/10.1088/1755-1315/1289/1/012005>
- Yunisa, Y., Suhaera, S., & Sari, S. (2023). *Analisis proksimat bronok (Acaudina molpadioides)*. The Journal of General Health and Pharmaceutical Sciences Research, 1(2), 31-40. <https://doi.org/10.57213/tjghpsr.v1i2.224>
- Zahroh, I., Syska, K., & Nurhayati, A. D. (2023). Pendugaan umur simpan tomat (*Solanum Lycopersicum* L) terolah minimal menggunakan metode ASLT

(Accelerated Shelf Life Test) model Arrhenius. *Jurnal Agritechno*, 16(02), 27-36.

