

## DAFTAR PUSTAKA

- Abdel-Naeem, H.H.S., Zayed, N.E.R., Mansour, H.A., 2021. Effect of chitosan and lauric arginate edible coating on bacteriological quality, deterioration criteria, and sensory attributes of frozen stored chicken meat. *Lwt* 150, 111928.  
<https://doi.org/10.1016/j.lwt.2021.111928>
- Alvarado, C., McKee, S., 2007. Marination to Improve Functional Properties and Safety of Poultry Meat. *Journal of Applied Poultry Research* 16, 113–120.  
<https://doi.org/10.1093/japr/16.1.113>
- Asiah, N., Cempaka, L., Ramadhan, K., Matatula, S.H., 2020. Prinsip Dasar Penyimpanan Pangan Pada Suhu Rendah, Nasmedia.
- Aung, M.M., Chang, Y.S., 2014a. Traceability in a food supply chain: Safety and quality perspectives. *Food Control* 39, 172–184.  
<https://doi.org/10.1016/j.foodcont.2013.11.007>
- Aung, M.M., Chang, Y.S., 2014b. Temperature management for the quality assurance of a perishable food supply chain. *Food Control* 40, 198–207.  
<https://doi.org/10.1016/j.foodcont.2013.11.016>
- Aung, M.Min., Chang, Y.S., 2023. Cold chain management.
- Badan Pusat Statistik, 2022. Badan Pusat Statistik [WWW Document].  
<https://doi.org/10.1055/s-2008-1040325>

Badia-melis, R., Carthy, U.M., Ruiz-garcia, L., Garcia-hierro, J., Villalba, J.I.R., 2018.

New trends in cold chain monitoring applications - A review. Food Control 86, 170–182. <https://doi.org/10.1016/j.foodcont.2017.11.022>

Baltić, T., Ćirić, J., Velebit, B., Petronijević, R., Lakićević, B., Dordević, V., Janković, V., 2017. Changes in total viable count and TVB-N content in marinated chicken breast fillets during storage, in: IOP Conference Series: Earth and Environmental Science. p. 012073. <https://doi.org/10.1088/1755-1315/85/1/012073>

Bekhit, A.E.D.A., Holman, B.W.B., Giteru, S.G., Hopkins, D.L., 2021. Total volatile basic nitrogen (TVB-N) and its role in meat spoilage: A review. Trends Food Sci Technol 109, 280–302. <https://doi.org/10.1016/j.tifs.2021.01.006>

Bo, Y., Danyu, L., 2009. Application of RFID in cold chain temperature monitoring system. 2009 Second ISECS International Colloquium on Computing, Communication, Control, and Management, CCCM 2009 2, 258–261. <https://doi.org/10.1109/CCCM.2009.5270408>

BSN, B.S.N., 2009. SNI 3924:2009 Mutu karkas dan Daging Ayam. Standar Nasional Indonesia i–7.

Cachon, R., Girardon, P., Voilley, A., 2019. Gases in Agro-food Processes. Academic Press.

Cánovas, G.V.B., 2009. Food Engineering Volume III.

Darmawati, Natsir, H., Dali, S., 2021. Analisis Total Volatile Base (TVB) dan Uji Organoleptik Nugget Ikan Dengan Penambahan Kitosan 2,5%. Indonesian

- Journal of Chemical Analysis 04, 1–10.  
<https://doi.org/10.20885/ijca.vol4.iss1.art1>
- Daryanto, A., 2019. Daya Saing dan Rantai Nilai Inklusif Industri Peternakan. PT Penerbit IPB Press, Bogor.
- Delgado, A.E., Sun, D.-W., 2001. Heat and mass transfer models for predicting freezing processes – a review. J Food Eng 47, 157–174.  
[https://doi.org/10.1016/S0260-8774\(00\)00112-6](https://doi.org/10.1016/S0260-8774(00)00112-6)
- Dempsey, P., Bansal, P., 2012. The art of air blast freezing: Design and efficiency considerations, in: Applied Thermal Engineering. pp. 71–83.  
<https://doi.org/10.1016/j.applthermaleng.2011.12.013>
- Dempsey, P., Bansal, P., 2010. AIR BLAST FREEZERS AND THEIR SIGNIFICANCE TO FOOD FREEZING : A REVIEW.
- Dewi, E., Latifa, E., Fawwarahly, F., Kautsar, R., 2016. Kualitas Mikrobiologis Daging Unggas di RPA dan yang Beredar di Pasaran. Jurnal Ilmu Produksi dan Teknologi Hasil Peternakan 4, 379–385. <https://doi.org/10.29244/jipthp.4.3.379-385>
- Erungan, A.C., Ibrahim, B., Yudistira, A.N., 2005. Analisis Pengambilan Keputusan Uji Organoleptik dengan Metode Multi Kriteria. J Pengolah Has Perikan Indones 8. <https://doi.org/10.17844/jphpi.v8i1.1030>
- Freezing foods | Marketizer [WWW Document], 2012. URL <https://www.marketizer.com/articles/freezing-foods-2685270.htm> (accessed 7.28.23).

- Goswami, T.K., 2001. Cryogenic Fish Freezing: Science, Technology & Economics. 4th International Conference on Mechanical Engineering 179–184.
- Guiqiang, W., Pinghua, Z., 2014. Mathematical Modeling of Food Freezing in Air-Blast Freezer. International Journal of Materials, Mechanics and Manufacturing 2, 278–281. <https://doi.org/10.7763/ijmmm.2014.v2.142>
- Hariyadi, P., 2007. Teknologi Pembekuan Pangan.
- Holden, N.M., Wolfe, M.L., Ogejo, A., Cummins, E.J., 2023. INTRODUCTION TO BIOSYSTEMS ENGINEERING.
- Horbaniuc, B., Cătălina Ioan, C., Dumitraşcu, G., 2012. STUDY OF INDIVIDUAL QUICK FREEZING USING LIQUID NITROGEN: AN ECOLOGICAL FOODS FREEZING TECHNIQUE, *Lucrări Ştiinţifice*.
- Jaelani, A., 2014. Berbagai Lama Penyimpanan Daging Ayam Broiler Segar Dalam Kemasan Plastik Pada Lemari Es (Suhu 4°C) Dan Pengaruhnya Terhadap Sifat Fisik Dan Organoleptik 39, 10.
- James, C., Vincent, C., de Andrade Lima, T.I., James, S.J., 2006. The primary chilling of poultry carcasses—a review. International Journal of Refrigeration 29, 847–862. <https://doi.org/10.1016/j.ijrefrig.2005.08.003>
- Jay, J.M., Loessner, M.J., Golden, D.A., 2005. Modern Food Microbiology, 7th ed. Springer, New York.
- Jenderal -Kementerian, S., Sekretariat, P., Pertanian, J.-K., 2022a. OUTLOOK KOMODITAS PETERNAKAN DAGING AYAM RAS PEDAGING.

Jenderal -Kementerian, S., Sekretariat, P., Pertanian, J.-K., 2022b. OUTLOOK  
KOMODITAS PETERNAKAN DAGING SAPI.

Kaewthong, P., Pomponio, L., Carrascal, J.R., Knøchel, S., Wattanachant, S., Karlsson, A.H., 2019. Changes in the quality of chicken breast meat due to superchilling and temperature fluctuations during storage. *Journal of Poultry Science* 56, 308–317. <https://doi.org/10.2141/jpsa.0180106>

Kumar, Yogesh, Tiwari, S., Kumar, Yashwant, 2018. Cryogenic Freezing Technology. *Int J Pure Appl Biosci* 6, 1343–1346. <https://doi.org/10.18782/2320-7051.6458>

Kuo, J.C., Chen, M.C., 2010. Developing an advanced Multi-Temperature Joint Distribution System for the food cold chain. *Food Control* 21, 559–566. <https://doi.org/10.1016/j.foodcont.2009.08.007>

Legarreta, I.G. (Ed.), 2010. HANDBOOK OF POULTRY SCIENCE AND TECHNOLOGY. Wiley, Canada.

Mercier, S., Mondor, M., Villeneuve, S., Marcos, B., 2018. The Canadian food cold chain: A legislative, scientific, and prospective overview. *International Journal of Refrigeration* 88, 637–645. <https://doi.org/10.1016/j.ijrefrig.2018.01.006>

Murtidjo, B.A., 2003. Pemotongan & Penanganan Daging Ayam. Kanisius, Yogyakarta.

Muthukumarappan, K., Marella, C., Sunkesula, V., 2019. Food freezing technology. *Handbook of Farm, Dairy and Food Machinery Engineering* 389–415. <https://doi.org/10.1016/B978-0-12-814803-7.00015-4>

- Ndraha, N., Hsiao, H.I., Vlajic, J., Yang, M.F., Lin, H.T.V., 2018. Time-temperature abuse in the food cold chain: Review of issues, challenges, and recommendations. Food Control 89, 12–21. <https://doi.org/10.1016/j.foodcont.2018.01.027>
- NIIR, 2005. Preservation of Meat and Poultry Products. ASIA PACIFIC BUSINESS PRESS Inc.
- Ningrum, L., Rosavira, T., Pambudi, B., 2017. How The Panelists Votes Chicken Ballotine With Analog Chicken Turkey and Duck. International Journal of Innovative Science and Research Technology ISSN 2, 119–124.
- Nurwantoro, VP, B., A.M., L., A, P., 2012. Pengolahan daging dengan sistem marinasi untuk meningkatkan keamanan pangan dan nilai tambah. [download.garuda.kemdikbud.go.id](http://download.garuda.kemdikbud.go.id).
- Purnomo, H., 2012. Teknologi Pengolahan dan Pengawetan Daging, UB Press.
- Riahi, M., Khalili Sadrabad, E., Jebali, A., Hekmatimoghaddam, S.H., Akrami Mohajeri, F., 2019. Development of the pH Sensitive Indicator Label for Real-time Monitoring of Chicken Freshness. Journal of Nutrition, Fasting and Health 7, 213–220. <https://doi.org/10.22038/jnfh.2019.42963.1222>
- Rodrigue, Dr.J.-P., Notteboom, Dr.T., 2017. The Cold Chain and its Logistics, in: The Geography of Transport Systems. p. 440.
- Setyaningsih, D., Apriyantono, A., Sari, M.P., 2010. Analisis Sensori Untuk Industri Pangan dan Agro. IPB Press, Bogor.
- Shodiqi, M.A., 2019. Optimalisasi Cold Chain untuk Sektor Perikanan Indonesia – Kanal Pengetahuan FTP UGM [WWW Document]. URL

<https://kanalpengetahuan.tp.ugm.ac.id/menara-ilmu/2018/1371-optimalisasi-cold-chain-untuk-sektor-perikanan-indonesia.html> (accessed 2.23.20).

Sinha, N., 2007. Handbook of Food Products Manufacturing, 2 Volume Set. John Wiley and Sons.

Soeparno, Rihastuti, R.A., Indratiningsih, Triatmojo, S., 2011. Dasar Teknologi Hasil Ternak. UGM PRESS, Yogyakarta.

Soni, A., 2018. Development of Colorimetric On-package Indicator for Monitoring of Chicken Meat Freshness during Refrigerated Storage ( $4\pm 1^{\circ}\text{C}$ ). Journal of Animal Research 8. <https://doi.org/10.30954/2277-940x.10.2018.16>

Sorica, C., Pirna, I., Grigore, I., Pruteanu, A., Danciu, A., 2015. Modern methods for freezing used in food industry XLV, 218–225.

Supriyanto, Budiharti, U., 2008. Rekayasa Chiller Untuk Membekukan Karkas Ayam. Jurnal Enjiniring Pertanian 6, 33–40.

Suradi, K., 2005. Aplikasi model arrhenius untuk pendugaan penurunan masa simpan daging sapi pada penyimpanan suhu ruang dan refrigerasi berdasarkan nilai TVB dan pH. Jurnal Penelitian SPeSia 2, 305–308.

Suryono, C., Ningrum, L., Dewi, T.R., 2018. Uji Kesukaan dan Organoleptik Terhadap 5 Kemasan Dan Produk Kepulauan Seribu Secara Deskriptif. Jurnal Pariwisata 5, 95–106. <https://doi.org/10.31311/par.v5i2.3526>

Syamsir, E., 2010. Mengenal Marinasi. Gramedia Pustaka Utama. Jakarta.

Talukder, S., Mendiratta, S.K., Kumar, R.R., Agrawal, R.K., Soni, A., Luke, A., Chand, S., 2020. Jamun fruit (*Syzgium cumini*) skin extract based indicator for

- monitoring chicken patties quality during storage. *J Food Sci Technol* 57, 537–548. <https://doi.org/10.1007/s13197-019-04084-y>
- The Price of a Blast Freezer | Flash Freeze [WWW Document], 2023. URL <https://flash-freeze.net/flash-freezing/blast-freezer-price.html> (accessed 1.9.23).
- Valeriu, D., Iosifescu, C., Coman, G., Marcel, D., Constantin, O., 2010. Theoretical and experimental study on cryogenic freezing of berries.
- Wahyuningtias, D., 2010. Uji Organoleptik Hasil Jadi Kue Menggunakan Bahan Non Instant dan Instant. *Binus Business Review* 1, 116. <https://doi.org/10.21512/bbr.v1i1.1060>
- Wally, E., Mentang, F., Montolalu, R.I., 2015. KAJIAN MUTU KIMIAWI IKAN CAKALANG (*Katsuwonus pelamis* L.) ASAP (FUFU) SELAMA PENYIMPANAN SUHU RUANG DAN SUHU DINGIN. *MEDIA TEKNOLOGI HASIL PERIKANAN* 4, 68–70. <https://doi.org/10.35800/mthp.3.1.2015.8327>
- Willenberg, B., Mills-Gray, S., 2021. Freezing Basics.
- Wiratanaya, G.N., 2020. Paradigma fresh & frozen : pengambilan keputusan dalam lingkungan bisnis yang kompleks [WWW Document]. CV Jejak. URL [https://www.google.co.id/books/edition/Paradigma\\_fresh\\_frozen\\_pengambilan\\_keput/Z3n\\_DwAAQBAJ?hl=id&gbpv=0](https://www.google.co.id/books/edition/Paradigma_fresh_frozen_pengambilan_keput/Z3n_DwAAQBAJ?hl=id&gbpv=0) (accessed 1.19.23).
- Xargayó, M., Lagares, J., Fernández, E., Ruiz, D., Borrell, D., 2001. Marination of fresh meats by means of spray effect: influence of spray injection on the quality of marinated products.



Zhang, X., Wang, H., Li, M., Wu, N., Xu, X., 2016. Near-Freezing Temperature Storage ( $-2^{\circ}\text{C}$ ) for Extension of Shelf Life of Chilled Yellow-Feather Broiler Meat: A Special Breed in Asia. *J Food Process Preserv* 40, 340–347.  
<https://doi.org/10.1111/jfpp.12611>

Zhao, T., Ezeike, G.O.I., Doyle, M.P., Hung, Y.-C., Howell, R.S., 2003. Reduction of *Campylobacter jejuni* on Poultry by Low-Temperature Treatment. *J Food Prot* 66, 652–655. <https://doi.org/10.4315/0362-028X-66.4.652>