

DAFTAR PUSTAKA

- Akter, Y., Omar, H., and Sazili, A. Q., 2005, *Effect of storage time and temperature on the quality characteristics of chicken eggs Human Health, Ecological Risk and Heavy Metal Pollution Assessment in Langat River by Transplantation of Corbicula javanica View project Influences of road transportation and slaughter management on welfare, physiological responses and meat quality in cattle View project. Article in Journal of Food Agriculture and Environment.* Retrieved from <https://www.researchgate.net/publication/284471186>
- Alam, A. U., Rathi, P., Beshai, H., Sarabha, G. K., and Jamal Deen, M., 2021, February 2, Fruit quality monitoring with smart packaging. *Sensors*. MDPI AG.
- Allahrakha, S., 2022, May 20, What Happens If I Eat Expired Eggs? Food Poisoning Symptoms. *MedicineNet*.
- Antony, J., 2014, *Design of Experiments for Engineers and Scientists SECOND EDITION.* Retrieved from <https://www.researchgate.net/publication/362080058>
- Asiyah, N., Cempaka, L., Ramadhan, K., and Matatula, S., 2020, *Prinsip Dasar Penyimpanan Pangan Pada Suhu Rendah.*
- Badan Pengembangan dan Pembinaan Bahasa, 2016, KBBI.
- Badan Pusat Statistik, 2022, *Peternakan Dalam Angka Tahun 2022.*
- Badan Pusat Statistik, 2023, *Produksi Telur Ayam Petelur menurut Provinsi (Ton), 2020-2022.*
- Badan Standarisasi Nasional, 2008, *Standar Nasional Indonesia - Telur Ayam Konsumsi. Standar Nasional Indonesia, Vol.3926, .*
- Barreiro, J. A., and Sandoval, A. J., 2006, *Operaciones de Conservación de Alimentos por Bajas Temperaturas- Barreiro y Sandoval (1).*
- Beavon, 2016, Q10 - the facts. <http://www.rod.beavon.org.uk/Q10.htm>.
- Bender, E. A., 1978, *An introduction to mathematical modeling.* Wiley.
- Bevans, R., 2020, Akaike Information Criterion | When & How to Use It (Example). *Scribbr*.
- Calligaris, S., Manzocco, L., Anese, M., and Nicoli, M. C., 2016, Shelf-life Assessment of Food Undergoing Oxidation—A Review. *Critical Reviews in Food Science and Nutrition*, Vol.56, No.11, pp.1903–1912.
- Calligaris, S., Manzocco, L., Anese, M., and Nicoli, M. C., 2019, Accelerated shelf life testing. *Food Quality and Shelf Life* (pp. 359–392). Elsevier.

- Cohen, J., 1988, *Statistical Power Analysis for the Behavioral Sciences Second Edition*.
- Digital Egg Tester, 2023, Haugh unit and yolk index | Egg quality indicators which Digital Egg Tester can measure.
- Edirisinghe, M., and Rathnayake, P., 2015, Arrhenius Accelerated Life Test for Luminary Life of High Bright Light Emitting Diodes. *International Letters of Chemistry, Physics and Astronomy*, Vol.49, pp.48–59.
- Eisen, E. J., Bohren, B. B., and McKean H.E., 1962, *The Haugh Unit as a Measure of Egg Albumen Quality* (Vol. 77). John Wiley & Sons, Inc.
- English, A., and Food and Agriculture Organization of the United Nations, 2019, *The state of food and agriculture. 2019, Moving forward on food loss and waste reduction*.
- Eurosender, 2023, Eurosender.
- Fda, 2022, *Egg Safety: What You Need to Know*. Retrieved from <http://www.fda.gov/Safety/ReportaProblem/ConsumerComplaintCoordinator>
- Fiana, R. M., and Murtius, W. S., 2022, Estimating the Shelf Life of Oyster Mushroom Rendang packed with Vacuum or Non-Vacuum technique by the Application of the Arrhenius Methods. *IOP Conference Series: Earth and Environmental Science* (Vol. 1059). Institute of Physics.
- Food and Agriculture Organization, in press. 3.1 Food Safety, Quality and Consumer Protection. *fao.org*.
- Food and Drug Administration (FDA), 2014, July 11, Expiration Dating and Stability Testing for Human Drug Products.
- Frost, J., 2019, Regression Analysis.
- Fuadah, dr. N. N., 2021, Dampak jika tidak sengaja konsumsi telur yang sudah busuk. *Alodokter*.
- Guangdong Aoyu Electric Co., Ltd., 2021, May 19, Humidity control requirements for food storage warehouses. Retrieved June 14, 2023, from http://www.naisida.net/news_188/985.html
- Hasany, M. R., Afrianto, E., Rusky, D., and Pratama, I., 2017, *PENDUGAAN UMUR SIMPAN MENGGUNAKAN METODE ACCELERATED SHELF LIFE TEST (ASLT) MODEL ARRHENIUS PADA FRUIT NORI*. *Jurnal Perikanan dan Ilmu Kelautan*.
- Hassan Tabidi, M., 2011, Impact of Storage Period and Quality on Composition of Table Egg. *Advances in Environmental Biology*, Vol.5, No.5, pp.856–861.
- Hidayati, S., Sartika, D., Sutoyo, S., and Fudholi, A., 2022, Predict the Shelf Life of Instant Chocolate in Vacuum Packing by Using Accelerated Shelf Life Test (ASLT). *Mathematical Modelling of Engineering Problems*, Vol.9, No.2, pp.443–450.

- Institute of Food Science Technology, 2021, *Date Labelling of Pre-Packaged Food*. Retrieved from <http://www.wrap>.
- Jiang, R., Huang, R., and Huang, C., 2016, Modeling the effect of environmental conditions on reliability of wind turbines. *Journal of Shanghai Jiaotong University (Science)*, Vol.21, No.4, pp.462–466.
- Jin, Y. H., Lee, K. T., Lee, W. I., and Han, Y. K., 2011, *Effects_of_Storage_Temperature_and_Time_on_the_Qua*.
- Johnson, H. S., and Ridlen, S. F., 2023, Structure of the Egg. *University of Illinois Extension*.
- Kementerian Perdagangan Republik Indonesia, 2010, *Profil Komoditas Telur Ayam Ras*.
- Kementerian Perdagangan RI, 2010, *Profil Komoditas Telur Ayam Ras*.
- Khan, N., Arshad, A., Azam, M., Al-marshadi, A. H., and Aslam, M., 2022, Modeling and forecasting the total number of cases and deaths due to pandemic. *Journal of Medical Virology*, Vol.94, No.4, pp.1592–1605.
- Kim, K., and Bae, J., 2023, Lifetime Prediction of Silicone and Direct Ink Writing-Based Soft Sensors Under Cyclic Strain. *International Journal of Precision Engineering and Manufacturing - Green Technology*, Vol.10, No.2, pp.535–546.
- Ku-Mahamud, K. R., and Khor, J. Y., 2009, Pattern Extraction and Rule Generation of Forest Fire using Sliding Window Technique. *Computer and Information Science*, Vol.2, No.3,.
- Lathifah, A. N. Y., 2019, Seberapa Siap Transportasi Ekspor Indonesia? *Forbil Institute*.
- Lebert, I., Robles-Olvera, V., and Lebert, A., 2000, *Application of polynomial models to predict growth of mixed cultures of Pseudomonas spp. and Listeria in meat*. *International Journal of Food Microbiology* (Vol. 61). Retrieved from www.elsevier.nl/locate/ijfoodmicro
- Lovell-Smith, J. W., and Pearson, H., 2006, On the concept of relative humidity. *Metrologia*, Vol.43, No.1, pp.129–134.
- Macauley, N., Watson, M., Lauritzen, M., Knights, S., Wang, G. G., and Kjeang, E., 2016, Empirical membrane lifetime model for heavy duty fuel cell systems. *Journal of Power Sources*, Vol.336, pp.240–250.
- Manzini, R., Accorsi, R., Piana, F., and Regattieri, A., 2017, Accelerated life testing for packaging decisions in the edible oils distribution. *Food Packaging and Shelf Life*, Vol.12, pp.114–127.
- Manzocco, L., 2016, The acceptability limit in food shelf life studies. *Critical Reviews in Food Science and Nutrition*, Vol.56, No.10, pp.1640–1646.
- Marion, G., and Scotland, S., 2008, *An Introduction to Mathematical Modelling*.

- Mcelhatton, A., Missbah, M., and Idrissi, E., 2016, *Integrating Food Science and Engineering Knowledge Into the Food Chain Modernization of Traditional Food Processes and Products*. Retrieved from <http://www.springer.com/series/7288>
- Mizrahi, S., 2004, Accelerated shelf-life tests. *Understanding and Measuring the Shelf-Life of Food* (pp. 317–339). Elsevier.
- Modarres, M., Amiri, M., and Jackson, C., 2017, *Probabilistic Physics of Failure Approach to Reliability*.
- Myung, I. J., 2003, Tutorial on maximum likelihood estimation. *Journal of Mathematical Psychology*, Vol.47, No.1, pp.90–100.
- Nematinia, E., and Abdanan Mehdizadeh, S., 2018, Assessment of egg freshness by prediction of Haugh unit and albumen pH using an artificial neural network. *Journal of Food Measurement and Characterization*, Vol.12, No.3, pp.1449–1459.
- Park, S. J., Jung, J. H., Choi, S. W., and Lee, H. J., 2018, April 1, Association between egg consumption and metabolic disease. *Korean Journal for Food Science of Animal Resources*. Korean Society for Food Science of Animal Resources.
- Pedroza, J. de J. M., Hernández, J. G. S., Alvaro Orjuela, L., and Hernández, S., 2015, Optimization of a Fusel Oil Separation System Using a Dividing Wall Column. *Computer Aided Chemical Engineering* (Vol. 37, pp. 1031–1036). Elsevier B.V.
- Pongajow, N. J., Djarkasi, G. S. S., and Mandey, L. C., 2015, PENDUGAAN UMUR SIMPAN HALUA KENARI MENGGUNAKAN METODE ACCELERATED SHELF LIFE TESTING (ASLT) MODEL ARRHENIUS PADA UKM KEPULAUAN SITARO.
- Qi, T., Ji, J., Zhang, X., Liu, L., Xu, X., Ma, K., and Gao, Y., 2022, December 10, Research progress of cold chain transport technology for storage fruits and vegetables. *Journal of Energy Storage*. Elsevier Ltd.
- Quan, C., Xi, Q., Shi, X., Han, R., Du, Q., Forghani, F., Xue, C., Zhang, J., and Wang, J., 2021, Development of predictive models for egg freshness and shelf-life under different storage temperatures. *Food Quality and Safety*, Vol.5, .
- Reid, M., 2023, A Phyton Library for Reliability Engineering. reliability.readthedocs.io.
- Reliasoft Corporation, 2015, *Accelerated Life Testing Reference*. Retrieved from <http://www.ReliaSoft.com><http://creativecommons.org/licenses/by-nc-sa/4.0/legalcode>.
- Richards, M., De Kock, H. L., and Buys, E. M., 2014, Multivariate accelerated shelf-life test of low fat UHT milk. *International Dairy Journal*, Vol.36, No.1, pp.38–45.

- Roberts, J. R., 2004, Factor Affecting Egg Internal Quality and Egg Shell Quality in Laying Hens. *Journal of Poultry Science*.
- Robertson, G. L., 2016, Packaging and food and beverage shelf life. *The Stability and Shelf Life of Food* (pp. 77–106). Elsevier.
- Rodriguez Borbon, M. I., Sohn, H., Delgado, E., Fuqua, D. O., Rodríguez Medina, M. A., Tlapa, D., and Baez-Lopez, Y., 2023, Shelf-life Assessment on European Cucumber Based on Accelerated Temperature–Humidity Stresses. *Applied Sciences (Switzerland)*, Vol.13, No.4,.
- Ross, T., 1996, *Indices for performance evaluation of predictive models in food microbiology*. *Journal of Applied Bacteriology* (Vol. 81).
- Ross, T., and Tienungoon, S., 2000, *Predictive modelling of the growth and survival of Listeria in fishery products*. *International Journal of Food Microbiology* (Vol. 62). Retrieved from www.elsevier.nl/locate/ijfoodmicro
- Samli, H. E., Agma, A., and Senkoylu, N., 2005, Effects of storage time and temperature on egg quality in old laying hens. *Journal of Applied Poultry Research*, Vol.14, No.3, pp.548–553.
- Sawant, M., and Christou, A., 2012, Failure modes and effects criticality analysis and accelerated life testing of LEDs for medical applications. *Solid-State Electronics* (Vol. 78, pp. 39–45).
- Schwarz, G., 1978, Estimation The Dimension of A Model.
- Shipa Freight, 2021, Ocean and Air Shipping From Indonesia to India.
- Singh, T. K., and Cadwallader, K. R., 2004, Understanding and Measuring the Shelf-Life of Food.
- Stahl, V., Ndoye, F. T., El Jabri, M., Le Page, J. F., Hezard, B., Lintz, A., Geeraerd, A. H., Alvarez, G., and Thuault, D., 2015, Safety and quality assessment of ready-to-eat pork products in the cold chain. *Journal of Food Engineering*, Vol.148, pp.43–52.
- Subramaniam, P. J., 2009, Shelf-life prediction and testing. *Science and Technology of Enrobed and Filled Chocolate, Confectionery and Bakery Products* (pp. 233–254). Elsevier Ltd.
- Suradi, K., 2006, *Perubahan Kualitas Telur Ayam Ras dengan Posisi Peletakan Berbeda Selama Penyimpanan Suhu Refrigerasi (The Changing of Hen's Egg Quality with Different Laying Position During Refrigerator Temperature Storage)* (Vol. 6).
- Susan, 2023, Child dies after eating egg – High Court order to pay compensation of Rs.8 lakhs.. *India Post English*.
- Tan, ', and Azhar, ", 2012, *Evaluation of functional properties of egg white obtained from pasteurized shell egg as ingredient in angel food cake*. *International Food Research Journal* (Vol. 19).

- Tye, H., 2004, Application of statistical ‘design of experiments’ methods in drug discovery. *DDT*, Vol.9, No.11,.
- United States Department of Agriculture, 2000, *United States Department of Agriculture Marketing and Regulatory Programs Agricultural Marketing Service Poultry Programs*. Retrieved from www.ams.usda.gov/poultry.
- Wang, J., and Oh, D. H., 2012, Effect of temperature and relative humidity on growth behavior of escherichia coli o157: H7 on spinach using response surface methodology. *Journal of Food Safety*, Vol.32, No.3, pp.296–304.
- World Food Programme, 2020, June 2, 5 facts about food waste and hunger. *World Food Programme*.
- Xiao, M., Liu, S., Jin, H., Xiao, M., Wang, H., Zhang, H., and Dai, Q., 2022, Evaluating Freshness Loss of Green Tea with Q 10Method and Weibull Hazard Analysis under Accelerated Shelf Life Testing. *Journal of Chemistry*, Vol.2022, .
- Yimenu, S. M., Kim, J. Y., Koo, J., and Kim, B. S., 2017, Predictive modeling for monitoring egg freshness during variable temperature storage conditions. *Poultry Science*, Vol.96, No.8, pp.2811–2819.
- Yimenu, S. M., Koo, J., Kim, J. Y., Kim, J. H., and Kim, B. S., 2018, Kinetic modeling impacts of relative humidity, storage temperature, and air flow velocity on various indices of hen egg freshness. *Poultry Science*, Vol.97, No.12, pp.4384–4391.