DAFTAR PUSTAKA

[1] D. Chrisna Wulandari, N. Nurdiana, dan Y. Rahmi, "Identifikasi Kesempurnaan Proses Pasteurisasi Ditinjau dari Total Bakteri serta Kandungan Protein dan Laktosa pada Susu Pasteurisasi Kemasan Produksi Pabrik dan Rumah Tangga di Kota Batu," *Maj. Kesehat.*, vol. 3, no. 3, hal. 144–151, 2016, doi: 10.21776/ub.majalahkesehatan.003.03.5.

[2] L. A. Nababan, I. K. Suada, dan I. B. N. Swacita, "Ketahanan Susu Segar pada Penyimpanan Suhu Ruang Ditinjau dari Uji Tingkat Keasaman, Didih, dan Waktu Reduktase," *Indones. Med. Veterinus*, vol. 3, no. 4, hal. 274–282, 2014.

[3] B. Hariono, M. Muspita, D. Utami, dan A. Bakri, "Uji Sifat Fisika Dan Kimia Susu Sapi Terpapar Uv Test the Physical and Chemical of Cows Milk in Uv Exposed With 1 , 3 , 5 Circulation," *J. Ilm. Inov.*, vol. 18, no. 2, hal. 63–67, 2018.

[4] M. S. Prasetyo, A. Akbar, dan H. Istiqlaliyah, "Analisa Heat Transfer Alat Pasteurisasi Susu," *J. Mesin Nusant.*, vol. 3, no. 1, hal. 1–8, 2020, doi: 10.29407/jmn.v3i1.14217.

[5] E. N. Nawangsih, I. I. Rahmat, L. S. Halimah, dan D. N. Hidayat, "The Best Pasteurization Method in Reducing the Amount of Bacteria in Cow's Milk on People Dairy Farm," *J. Phys. Conf. Ser.*, vol. 1764, no. 1, 2021, doi: 10.1088/1742-6596/1764/1/012011.

[6] Badan Standarisasi Nasional, "Susu Pasteurisasi," *SNI 3951:2018*. Jakarta, Indonesia, 2018.

[7]   M. Kayalvizhi, D. Manamalli, dan K. Bhuvanithaa, "Cascade Control of HTST Milk Pasteurization Process with and without Pre-Cooling Stage," in *2017 International Conference on Energy, Communication, Data Analytics and Soft Computing (ICECDS)*, 2017, hal. 1807–1812.

[8]   H. T. Amallia dan T. Anggraini, "Pengaruh Cara Penyajian Dan Lamanya Waktu Pajanan Terhadap Kualitas Susu Formula Anak-Anak," *J. Biota*, vol. 3, no. 1, hal. 43–47, 2017, doi: 10.19109/biota.v3i1.1096.

[9]   M. Aria, "New fuzzy logic system for controlling multiple traffic intersections with dynamic phase selection and pedestrian crossing signal," *J. Eng. Sci. Technol.*, vol. 14, no. 4, hal. 1974–1983, 2019.

[10]   B. Dai, R. Chen, dan R. C. Chen, "Temperature control with fuzzy neural network," in *Proceedings - 2017 IEEE 8th International Conference on Awareness Science and Technology, iCAST 2017*, 2017, vol. 2018-Janua, no. iCAST, hal. 452–455. doi: 10.1109/ICAwST.2017.8256499.

[11]   L. Cherroun, M. Nadour, dan A. Kouzou, "Type-1 and Type-2 Fuzzy Logic Controllers for Autonomous Robotic Motion," in *Proceedings - 2019 3rd International Conference on Applied Automation and Industrial Diagnostics, ICAAID 2019*, 2019, vol. 1, no. September, hal. 1–5. doi: 10.1109/ICAAID.2019.8934997.

[12]   D. Phan, A. Bab-Hadiashar, M. Fayyazi, R. Hoseinnezhad, R. N. Jazar, dan H. Khayyam, "Interval Type 2 Fuzzy Logic Control for Energy Management of Hybrid Electric Autonomous Vehicles," *IEEE Trans. Intell. Veh.*, vol. 6, no. 2, hal. 210–220, 2021, doi: 10.1109/TIV.2020.3011954.

[13] J. M. Mendel dan X. Liu, "Simplified interval type-2 fuzzy logic systems," *IEEE Trans. Fuzzy Syst.*, vol. 21, no. 6, hal. 1056–1069, 2013, doi: 10.1109/TFUZZ.2013.2241771.

[14] Y. Triwidyastuti, M. Nizar, H. Harianto, dan J. Jusak, "Pengendali Suhu pada Proses Pasteurisasi Susu dengan Menggunakan Metode PID dan Metode Fuzzy Sugeno," *J. Teknol. Inf. dan Ilmu Komput.*, vol. 6, no. 4, hal. 355–362, 2019, doi: 10.25126/jtiik.2019641068.

[15] K. A. Naik dan C. P. Gupta, "Performance comparison of Type-1 and Type-2 fuzzy logic systems," in *4th IEEE International Conference on Signal Processing, Computing and Control, ISPCC 2017*, 2017, vol. 2017-Janua, hal. 72–76. doi: 10.1109/ISPCC.2017.8269652.

[16] S. Watts, "A mini review on technique of milk pasteurization," *J. Pharmacogn. Phytochem.*, vol. 5, no. 5, hal. 99–101, 2019.

[17] K. Sugiarto, M. Rivai, dan A. N. Irfansyah, "Control of livestock waste odors using gas sensors and fuzzy logic," in *Proceedings of 2019 International Conference on Information and Communication Technology and Systems, ICTS 2019*, 2019, hal. 81–86. doi: 10.1109/ICTS.2019.8850955.

[18] M. Rivai, Rendyansyah, dan D. Purwanto, "Implementation of fuzzy logic control in robot arm for searching location of gas leak," in *2015 International Seminar on Intelligent Technology and Its Applications, ISITIA 2015 - Proceeding*, 2015, hal. 69–74. doi: 10.1109/ISITIA.2015.7219955.

[19] I. Maalej, C. Rekik, D. B. H. Abid, dan N. Derbel, "Interval type-2 Takagi-Sugeno-Kang fuzzy logic approach for three-tank system modeling," in *IEEE International Symposium on Industrial Electronics (ISIE)*, 2014, hal. 144–149. doi: 10.1109/ISIE.2014.6864601.

[20] A. F. Hasan dan A. J. Abdulridha, "Optimal Interval Type-2 Fuzzy Logic Controller for Pneumatic Servo Actuator System," *J. Eng. Sci. Technol.*, vol. 17, no. 3, hal. 1644–1660, 2022.

[21] N. Moghadam, F. Shabaninia, dan H. Abbasi, "Superiority of Using Interval Type-2 Fuzzy PID ControllerOver the Conventional Type-1 Fuzzy Controller in a Chlorine Flow Control System," in *5th Iranian Joint Congress on Fuzzy and Intelligent Systems (CFIS)*, 2017, hal. 128–135.

[22] Maxim Integrated, "DS18B20 Programmable Resolution 1-Wire Digital Thermometer," *DS18B20 datasheet*, hal. 1–20, 2019.

[23] STMicroelectronics, "Snubberless[TM], logic level and standard 16 A Triacs," *T1610, T1635, T1650, BTA16, BTB 16 datasheet*, hal. 1–18, 2018.

[24] Hobby Components, "IRF520 MOSFET Driver Module (HCMODU0083)," *IRF520 MOSFET datasheet*, hal. 1–11, 2015.

[25] Mutinda Mutava Gabriel, "Arduino Uno, Ultrasonic Sensor HC-SR04 Motion Detector with Display of Distance in the LCD," *Int. J. Eng. Res.*, vol. 9, no. 05, hal. 936–942, 2020, doi: 10.17577/ijertv9is050677.

[26] Handson Technology, "Handson Technology User Guide I2C Serial Interface 20x4 LCD Module," *LCD 2004 I2C datasheet*, hal. 1–8, 2021.