DAFTAR PUSTAKA

[1] S. K. Selvaraj, A. Raj, R. R. Mahadevan, U. Chadha, and V. Paramasivam, "Molding Machines," vol. 2022, 2022, doi: 10.1155/2022/1949061.

[2] Ilmu manufaktur, "Perancangan Cavity."

[3] Jackie, "Injection mold cooling systems design."

[4] D. Agustin, M. Irvan, T. Ma, E. S. Solih, F. F. Nurhadi, and F. Sumasto, "Design Improvement of Mold Bracket for Quarter Trim to Reduce Ejector Mark Defects," vol. 9, no. 1, pp. 70–80, 2025.

[5] Ju Feng, "A medium carbon, medium tensile steel supplied as forged or normalized / Made in Taiwan Steel Round Bars & Steel Tubes Manufacturer."

[6] R. D. Crackling, D. I. N. Iso, and G. Scuff, "Technical Datasheet Technical Datasheet," *Order A J. Theory Ordered Sets Its Appl.*, vol. 44, no. 0, pp. 50–51, 2014.

[7] R. S. Theryo, *Teknologi Plastic Injection Mould*. 2021.

[8] H. Widjaja, "Pengaruh Tekanan Injeksi Terhadap FlowLength Material Polypropylene (PP) Dengan Ketebalan Produk 1 mm.," *JTRM*, vol. 5, no. 1, pp. 65–80, 2023, doi: 10.48182/jtrm.v5i1.111.

[9] C.-K. L. Min Lee, Youn-Suk Kwon, "Effect of warpage on the operation of a rapid cooling and heating device Journal Name: Journal of The Brazilian Society of Mechanical Sciences and Engineering," vol. 41, no. 8, pp. 1–8, 2019, doi: 10.1007/S40430-019-1806-8.

[10] D. S. S. S. Advait C Purav, Deepika S Singraur, "Investigations into performance of conventional and conformal cooling channels of a plastic injection mold.," vol. 1070, no. 1, 2021, doi: 10.1088/1757-899X/1070/1/012122.

[11] X.-P. D. Hong-Seok Park, "Design and Simulation-Based Optimization of Cooling Channels for Plastic Injection Mold," 2012, doi: 10.5772/32730.

[12] T. M. T. Uyen, P. S. Minh, and B. C. Thanh, "Application of Cooling Layer and Thin Thickness Between Coolant and Cavity for Mold Temperature Control and Improving Filling Ability of Thin-Wall Injection Molding Product," *Polymers (Basel).*, vol. 17, no. 19, 2025, doi:

10.3390/polym17192658.

[13] P. S. Minh, “Numerical Study on Flow Length in Injection Molding Process with High-Speed Injection Molding,” *Int. J. Mech. Eng. Appl.*, vol. 2, no. 5, p. 58, 2014, doi: 10.11648/j.ijmea.20140205.11.

[14] S. V. Sotnik, “Study of Shrinkage of Thermoplastics in Injection Molding,” *Sci. Bull. Valahia Univ. - Mater. Mech.*, vol. 21, no. 24, pp. 13–17, 2025, doi: 10.2478/bsmm-2025-0002.

[15] M. K. Abdullah *et al.*, “Computational Analysis of Polymer Melt Filling in a Medical Mold Cavity During the Injection Molding Process,” *Pertanika J. Sci. Technol.*, vol. 31, no. 1, pp. 33–49, 2023, doi: 10.47836/pjst.31.1.03.

[16] A. B. Prasetiyo, F. Fauzun, A. A. Azmi, and R. I. Yaqin, “Studi Numerik Kontur Pola Aliran Fluida Pendinginan Pada Mold Injeksi Molding,” *Infotekmesin*, vol. 12, no. 1, pp. 104–109, 2021, doi: 10.35970/infotekmesin.v12i1.493.

[17] G. Santos and F. Carvalho, “Subrata Talapatra MAIN BENEFITS OF INTEGRATED MANAGEMENT SYSTEMS THROUGH,” *Int. J. Qual. Res.*, vol. 13, no. 4, pp. 1037–1054, 2019.

[18] A. W. Arohman, A. M. H. Tjoppo, E. S. Solih, S. P. Purbaningrum, D. Agustin, and F. Sumasto, “Optimasi Desain Mold Cover Towing Front Bumper Melalui Simulasi Moldflow Untuk Mengurangi Cacat Produk,” *Sci. J. Mech. Eng. Kinemat.*, vol. 10, no. 1, pp. 150–160, 2025, doi: 10.20527/sjmekinematika.v10i1.725.

[19] N. U. Masatomo Inui, “Shape Modeling of Potential Sink Marks for Aesthetic Design of Plastic Parts,” 2022, doi: 10.1115/imece2022-96189.

[20] R. A. Achmaed Pratama, Aminnudin, Y. R. Aji Pradana, and N. Afifah, “Analysis of coolant temperature and injection time effect on the product quality in injection moulding using the Finite Element Method (FEM),” *IOP Conf. Ser. Mater. Sci. Eng.*, vol. 1034, no. 1, p. 012097, 2021, doi: 10.1088/1757-899x/1034/1/012097.

[21] H. Wu, Y. Wang, and M. Fang, “Study on Injection Molding Process Simulation and Process Parameter Optimization of Automobile Instrument Light Guiding Support,” *Adv. Mater. Sci. Eng.*, vol. 2021, 2021, doi:

10.1155/2021/9938094.

[22] R. Mahshid, Y. Zhang, H. N. Hansen, and A. H. Slocum, “Effect of mold compliance on dimensional variations of precision molded components in multi-cavity injection molding,” *J. Manuf. Process.*, vol. 67, pp. 12–22, 2021, doi: 10.1016/j.jmapro.2021.04.048.

[23] B. Cahyo, “View of Design and Simulation of a 12-Cavity Injection Mold with Optimized Runner System for Efficient Production of Sample Cups.pdf,” 2024.

[24] J. de Carvalho Teixeira Baifus, F. Marin, D. Porto, P. P. de Andrade, and A. Fagali de Souza, “Optimisation of the Injection Moulding Process for Thick-Walled Parts Using Conformal Cooling Channels and CuBe Alloy Inserts,” *Int. J. Precis. Eng. Manuf.*, pp. 4167–4190, 2026, doi: 10.1007/s12541-026-01580-y.