DAFTAR PUSTAKA

[1] J. G. Kovács and B. Sikló, “Experimental validation of simulated weld line formation in injection moulded parts,” *Polym. Test.*, vol. 29, no. 7, pp. 910–914, Oct. 2010, doi: 10.1016/j.polymertesting.2010.06.003.

[2] D. Hwan Chun, “Cavity ®lling analyses of injection molding simulation: bubble and weld line formation,” 1999.

[3] L. W. Seow and Y. C. Lam, “Optimizing flow in plastic injection molding,” 1997.

[4] F. Firmansyah and A. Suprihanto, “PEMBUATAN INJECTION UNIT MESIN INJECTION MOLDING UNTUK MEMBUAT BANTALAN KETIAK TONGKAT KRUK DARI MATERIAL POLYPROPYLENE,” *Jurnal Teknik Mesin*, vol. 11, 2023, Accessed: Dec. 06, 2025. [Online]. Available: https://ejournal3.undip.ac.id/index.php/jtm/article/view/40623/30017

[5] A. Alimuddin and R. G. Permana, “Studi Kinerja Termokopel Tipe K Pada Mesin Injeksi Haitian 120 Ton Dalam Pembuatan Botol Urine Di PT Unotech Mega Persada,” *Setrum : Sistem Kendali-Tenaga-elektronika-telekomunikasi-komputer*, vol. 12, no. 2, Dec. 2023, doi: 10.36055/setrum.v12i2.23147.

[6] Alfian, Rina, Azri, Riki, and Randa, “RANCANG BANGUN MOLDING SOUVENIR LOGO POLITEKNIK NEGERI PADANG PADA MESIN CETAK INJEKSI PLASTIK BERTEKANAN 1.960 KG/CM^2 MOLDING DESIGN OF PADANG STATE POLYTECHNIC LOGO SOUVENIR MOLDING ON PRESSED PLASTIC INJECTION MOLDING MACHINE 1,960 KG / CM^2,” 2021.

[7] G. Yilmaz, A. Devahastin, and L. S. Turng, “Conventional and Microcellular Injection Molding of a Highly Filled Polycarbonate Composite with Glass Fibers and Carbon Black,” *Polymers (Basel).*, vol. 14, no. 6, Mar. 2022, doi: 10.3390/polym14061193.

[8] P. Basuki, A. Zulaidah, and R. Prasdiantika, “Studi Kasus Pemilihan Jenis Runner pada Injection Molding Plastik Case Study Selection Type of Runner for Injection Molding Plastic,” 2022. [Online]. Available: https://ejournal.pnc.ac.id/index.php/senovtek

[9] F. Maulana and R. Sugeng Mulyono, “Analisis Efektivitas Sistem Pendingin Udara dan Air pada Prototipe Mesin Injeksi Molding Double

Barrel dengan Metode VDI 2221," 2024. [Online]. Available: http://prosiding.pnj.ac.id

[10] Y. Yakub and Madinah, "PERENCANAAN SISTEM PENDINGINAN CETAKAN PLASTIK HOLDER PULLEY PERUSAHAAN MANUFAKTUR," Jul. 2025.

[11] A. K. Mufid, C. Budiyantoro, M. Budi, and N. Rahman, "PERANCANGAN INJECTION MOLDING DENGAN SISTEM THREE PLATE MOLD PADA PRODUK GLOVE BOX," 2020. [Online]. Available: http://journal.umy.ac.id/index.php/jmpm

[12] M. Luqman Saiful Fikri *et al.*, "Pengaruh Waktu Injeksi Material pada Brush Handle menggunakan Software Autodesk Moldflow," 2024. [Online]. Available: https://permadi.nusaputra.ac.id/index

[13] L. W. Seow and Y. C. Lam, "Optimizing flow in plastic injection molding," 1997.

[14] M. Arif and H. Windyatri, "PENURUNAN DEFECT RATIO HOUSING PANEL MENGGUNAKAN METODE FAILURE MODE AND EFFECT ANALYSIS (FMEA) PADA MESIN INJECTION MOLDING DI PT XYZ," *Jurnal Desiminasi Teknologi*, vol. 12, no. 2, p. p, 2024.

[15] H. Widiastuti, S. E. Surbakti, F. Restu, M. Hasan Albana, and I. Saputra, "IDENTIFIKASI CACAT PRODUK DAN KERUSAKAN MOLD PADA PROSES PLASTIC INJECTION MOLDING," 2023. [Online]. Available: http://jurnal.polibatam.ac.id/index.php/JATRA,https://jurnal.polibatam.ac.id/index.php/JATRA

[16] 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," *Scientific Journal of Mechanical Engineering Kinematika*, vol. 10, no. 1, pp. 150–160, Jun. 2025, doi: 10.20527/sjmekinematika.v10i1.725.

[17] Ding Yang, Peng Zhao, Huamin Zhou, and Lu Chen, "Computer determination of weld lines in injection molding based on filling simulation with surface model," *Journal of Reinforced Plastics and Composites*, vol. 33, no. 15, pp. 1403–1415, Aug. 2014, doi: 10.1177/0731684414535277.

[18] A. A. Dzulkipli and M. Azuddin, "Study of the Effects of Injection Molding Parameter on Weld Line Formation," in *Procedia Engineering*, Elsevier Ltd, 2017, pp. 663–672. doi: 10.1016/j.proeng.2017.04.135.

[19] D. Yang, P. Zhao, H. Zhou, and L. Chen, “Computer determination of weld lines in injection molding based on filling simulation with surface model,” *Journal of Reinforced Plastics and Composites*, vol. 33, no. 15, pp. 1403–1415, 2014, doi: 10.1177/0731684414535277.

[20] Z. F. Mustafa, Oleh, and I. N. Gusniar, “Analisis Perbandingan Simulasi Injeksi Plastik Terhadap Hasil Produk Dalam Software Autodesk Moldflow Pada Produk Air Filter,” *Quantum Teknika : Jurnal Teknik Mesin Terapan*, vol. 6, no. 1, pp. 6–11, Oct. 2024, doi: 10.18196/jqt.v6i1.22718.

[21] A. R. Shalihah *et al.*, “EVALUATION OF INJECTION MOLDING PROCESS PARAMETERS ON THE QUALITY OF BRAKE FLUID RESERVOIR CAP PRODUCTS USING MOLDFLOW SIMULATION,” *Otopro*, pp. 78–84, May 2026, doi: 10.26740/otopro.v21n2.p78-84.

[22] A. Yasiin *et al.*, “Warpage minimization: Analysis using response surface methodology (RSM) and particle swarm optimization (PSO) on thin part,” in *AIP Conference Proceedings*, American Institute of Physics Inc., Sep. 2017. doi: 10.1063/1.5002369.

[23] A. Rizki *et al.*, “Analisis Karakteristik Mekanik dan Stabilitas Dimensi Filamen Komposit Polypropylene dan ABS Daur Ulang sebagai Bahan Baku Fabrikasi 3D Printing.” [Online]. Available: http://prosiding.pnj.ac.id