

## DAFTAR PUSTAKA

- [1] P. Čechmánek, M. Novak, and J. Milos, “OPTIMIZATION OF THE INJECTION MOLD RUNNER SYSTEM OF THE TRANSPORT MEANS PLASTIC PARTS,” vol. 25, no. 3, pp. 176–185, 2023.
- [2] A. Nugraha, L. C. Thomas, and Sriyono, “Analisis Variasi Layout Runner Dan Dimensi Gate Terhadap Berat dan Cacat Produk Pada Produk Handle Lock Pin Dengan Simulasi Moldflow,” *Teknobiz J. Ilm. Progr. Stud. Magister Tek. Mesin*, vol. 13, no. 3, pp. 164–169, 2023, doi: 10.35814/teknobiz.v13i3.5752.
- [3] Z. Hu, Z. Yin, L. Qin, and F. Xu, “A Novel Method of Fault Diagnosis for Injection Molding Systems Based on Improved VGG16 and Machine Vision,” *Sustain.*, vol. 14, no. 21, pp. 1–26, 2022, doi: 10.3390/su142114280.
- [4] D. Heryada Wigenaputra and N. F. Sudrajat, “ANALISIS KETIDAKSEIMBANGAN ALIRAN DI SISTEM SALURAN (RUNNER) DAN PENERAPAN METODA MELTFLIPPER PADA CETAKAN INJEKSI PLASTIK,” no. November, pp. 1–7, 2014.
- [5] H. H. Tsai, S. J. Wu, J. W. Liu, S. H. Chen, and J. J. Lin, “Filling-Balance-Oriented Parameters for Multi-Cavity Molds in Polyvinyl Chloride Injection Molding,” *Polymers (Basel)*, vol. 14, no. 17, 2022, doi: 10.3390/polym14173483.
- [6] G. Y. Liou *et al.*, “Optimize Injection-Molding Process Parameters and Build an Adaptive Process Control System Based on Nozzle Pressure Profile and Clamping Force,” *Polymers (Basel)*, vol. 15, no. 3, 2023, doi: 10.3390/polym15030610.
- [7] Z. F. Mustafa, I. N. Gusniar, U. S. Karawang, J. Hs, R. Waluyo, and T. Timur, “Analisis Perbandingan Simulasi Injeksi Plastik Terhadap Hasil Produk Dalam Software Autodesk Moldflow Pada Produk Air Filter,” vol. 6, no. 1, pp. 1–6, 2024.
- [8] A. Mamat and A. Ahmad-yazid, “Design and Analysis Of Multi-Cavity Traditional and H-branching runners for Plastic Injection Mold,” vol. 71, no. 2, 2009.
- [9] A. M. Tamtomo, “Analisis Pengaruh Layout Dan Feeding System Injection Molding Beserta Desain Mold (Studi Kasus Cetakan Ketupat),” 2021.
- [10] T. W. Ridono, A. Gamayel, and M. Zaenudin, “Simulasi dan Analisis Desain Mold Dengan Software Autodesk Fusion 360 Untuk Produk Aksesoris,” *Techno (Jurnal Fak. Tek. Univ. Muhammadiyah Purwokerto)*, vol. 25, no. 1, p. 11, 2024, doi: 10.30595/techno.v25i1.19489.

- [11] I. Septyan Mulyana, "ANALISA PENGARUH CACAT PRODUK AIR TRAPS PADA SIMULASI INJECTION MOLDING," 2024.
- [12] P. D. Kale, P. D. Darade, and A. R. Sahu, "A literature review on injection moulding process based on runner system and process variables," *IOP Conf. Ser. Mater. Sci. Eng.*, vol. 1017, no. 1, 2021, doi: 10.1088/1757-899X/1017/1/012031.
- [13] A. B. Wicaksono and A. Aziz, "Optimasi helm industri ergonomik beserta perancangan dan simulasi molding injeksi," *J. Tek. Mesin Indones.*, vol. 17, no. 2, pp. 72–77, 2022, doi: 10.36289/jtmi.v17i2.267.
- [14] N. Idayu, M. Ali, R. Jaafar, M. Rizal, and B. Salleh, "Comparison between star and linear runner layout of family plastic injection mold COMPARISON BETWEEN STAR AND LINEAR RUNNER LAYOUT OF," no. January, 2015.
- [15] P. Xie, F. Guo, Z. Jiao, Y. Ding, and W. Yang, "Effect of gate size on the melt filling behavior and residual stress of injection molded parts," *Mater. Des.*, vol. 53, pp. 366–372, 2014, doi: 10.1016/j.matdes.2013.06.071.
- [16] Y. Shen, C. Wu, Y. Yu, and H. Chung, "Analysis for optimal gate design of thin-walled injection molding ☆," vol. 35, pp. 728–734, 2008, doi: 10.1016/j.icheatmasstransfer.2008.01.014.
- [17] & S. A. (2021) Henry Permana, Topan, "Produksi Proses Komponen Plastik Flip Flop Dengan Mesin Injeksi Molding Type Hidrolik," pp. 8–17.
- [18] J. Hakim, J. W. Joharwan, and M. Heru Palmiyanto, "Pengaruh Beda Temperatur Proses Injeksi Terhadap Sifat Mekanis Bahan Polypropylene (PP) Daur Ulang," *JMPM (Jurnal Mater. dan Proses Manufaktur)*, vol. 4, no. 2, pp. 124–135, 2020, doi: 10.18196/jmpm.v4i2.10758.
- [19] N. SOLOMON and I. SOLOMON, "Injection molded part material failure analysis," *Rev. Roum. Chim.*, vol. 65, no. 4, pp. 329–341, 2020, doi: 10.33224/rch.2020.65.4.02.
- [20] Iskandar and Vendiza, "Analisis Cacat Short Shot dalam Proses Injection Molding pada Komponen Shroud Fan," in *Prosiding SNST FT*, 2019.
- [21] M. N. R, P. B. Shetty, K. Kotresh, and L. Avinash, "Prevention of Defects in Injection Molding Process in the Manufacturing of Ballpoint Pen," no. 3, pp. 4932–4937, 2019, doi: 10.35940/ijrte.C5590.098319.
- [22] A. Saputra and B. Santoso, "Pengaruh Inject Pressure dan Clamping Force terhadap Cacat Flashing pada Proses Injection Molding Cover Pot," *J. Tek. Manufaktur*, vol. 5, no. 2, pp. 45–52, 2021.
- [23] S. Suhaeri, S. Sugiyarto, R. P. Wardhani, and D. Djuhana, "Analisis Pengaruh Temperatur Mold terhadap Perpindahan Kalor pada Polimer dalam Proses Injection Molding Menggunakan Software Autodesk Moldflow Adviser," *Pist. J. Tech. Eng.*, vol. 4, no. 2, pp. 77–81, 2021, doi: 10.32493/pjte.v4i2.9630.

- [24] Autodesk, “Autodesk Moldflow Adviser User Guide,” 2024, *Autodesk*.
- [25] Deka Purnama Sari, “Desain Mold Pada Plastic Injection Molding Produk Casing Pengaman Kendaraan (Sepeda Motor) Atas Kasus Pencurian,” pp. 76–83, 2018.
- [26] A. M. Ariadestela, “Desain Dan Optimasi Alat Kebersihan Multifungsi Beserta Perancangan Dan Simulasi Molding,” 2021.
- [27] M. Rizal, “Pengaruh Variasi Tekanan , Temperatur , dan Ukuran Runner Terhadap Filling Time Pada Proses Injeksi Molding Produk Penghapus Whiteboard LEMBAR PENGESAHAN DOSEN PEMBIMBING Pengaruh Variasi Tekanan , Temperatur , dan Ukuran Runner Terhadap Filling Time Pada,” 2018.
- [28] J. Y. Chen, P. H. Hung, and M. S. Huang, “Determination of process parameters based on cavity pressure characteristics to enhance quality uniformity in injection molding,” *Int. J. Heat Mass Transf.*, vol. 180, p. 121788, 2021, doi: 10.1016/j.ijheatmasstransfer.2021.121788.
- [29] Sungplastic, “Injection Molding Guidelines for Nylon PA6,” 2023, *Sungplastic*.
- [30] C. Zhao, Y.; Zhou, H.; Wang, “Process Optimization of Injection Molding for Warpage Reduction Using Moldflow Analysis and Taguchi Method,” *Polym. Eng. Sci.*, vol. 62, no. 5, pp. 1201–1211, 2022.