

DAFTAR PUSTAKA

- Brebbia, C. A. (1990). *Topics in Boundary Element Research*. Southampton: Springer-Verlag Berlin.
- Budiana, B., Situmorang, C. B., Mauliah, H. M., & Puspita, W. R. (2023). Effect of Current, Voltage, Temperature, and Time Variations on Thickness of Steel Using Electroplating Process. *Integrasi*, 15(2), 97–103.
- Effendi, N. (2009). Studi Pengaruh Heat Input Terhadap Ketangguhan Impact Las SMA W Posisi Vertikal Baja ST 60 TEMPER. *Teknik Mesin*, 9(2).
- F.Fuller, T., & Harb, J. N. (2018). *Electrochemical Engineering*. USA: John Wiley & Sons, Inc.
- Furqon, G. R., Firman, M., & P, M. A. S. (2016). Analisa Uji Kekerasan Pada Poros Baja ST 60 Dengan Media Pendingin Yang Berbeda. *Teknik Mesin UNISKA*, 1(2).
- Giurlani, W., Zangari, G., Gambinossi, F., Passaponti, M., Salvietti, E., Di Benedetto, F., ... Innocenti, M. (2018). Electroplating For Decorative Applications: Recent Trends in Research and Development. *Coatings*, 8(8), 1–25.
- Hasan, M. F. M., & Abidin, Z. (2020). Proses Electro Plating. *Media Teknologi*, 06(02), 223–228.
- Hernandez, P., Socas, A., Benitez, A., Ortega, F., Diaz, N., Marrero, M. D., & Monzon, M. (2014). Boundary Element Method Applied to Electroforming Process. *Material Science Forum*, 797, 125–132.
- Hidayati, T., Aedi, W. G., & Masitoh, L. F. (2022). *Metode Numerik*. Banten: Unpam Press.
- Irwandy. (2014). *Ilmu Logam. PT Penerbit IPB Press* (Vol. 1). Bogor: IPB Press.
- Lampke, T., Steger, H., Zacher, M., Steinha, S., & Wielage, B. (2008). Status quo dan Tren Teknologi Pelapisan Listrik, 39(1).
- Mahapatro, A., & Kumar Suggu, S. (2018). Modeling and Simulation of Electrodeposition Effect of Electrolyte Current Density and Conductivity on Electroplating Thickness. *Advanced Material Science*, 3(2), 1–9.
- Newman, J., & P.Balsara, N. (2021). *Electrochemical Systems*. Amerika Serikat: John Wiley & Sons, Inc.
- Pchelintseva, I. Y., Pchelintsev, A. N., & Litovka, Y. V. (2020). Modeling of Metal Distribution When Coating Flat Metal Plates in Electroplating Baths. *International Journal of Numerical Modelling: Electronic Networks, Devices and Fields*, 34(2), 1–10.
- Perdana, M. T., Saptaryani, T. D., Santoso, B., Bakhri, S., Hilmi, M. N., Nurasri, Y., ... Tegal, K. (2023). Kaji Terap Tanaman Akumulator Limbah Timbal (Pb) di Desa Mangunsaren, Kabupaten Tegal. *Pengabdian Masyarakat*

Bangsa, 1(4), 127–133.

- Perez, T., Arenas, L. F., Villalabos-Lara, D., Zhou, N., Wang, S., C. Walsh, F., ... Leon, C. P. de. (2020). Simulations of Fluid Flow, Mass Transport and Current Distribution in a Parallel Plate Flow Cell During Nickel Electrodeposition. *Journal of Electroanalytical Chemistry*, 873, 1–36.
- Protsenko, V. S., Gordiienko, V. O., Danilov, F. I., & Kwon, S. C. (2011). Preparation and Characterization of Nanocrystalline Hard Chromium Coatings Using Eco-Friendly Trivalent Chromium Bath. *Chemistry*, 8(4), 1925–1929.
- Rasyid, S. (2014). *Teknologi Pengolahan Logam*. Makassar: CV Budi Utama.
- Riyanto. (2012). *Elektrokimia dan Aplikasinya Edisi Pertama*. Yogyakarta: Graha Ilmu.
- Rose, I., & Whittington, C. (2013). *Nickel Plating Handbook*. Nickel Institute. Amerika Serikat.
- Saleh, I. A. A. (2014). *Electroplating Teknik Pelapisan Logam dengan Cara Listrik*. Bandung: Yrama Widya.
- Salman, Wiranata, A., Sinarep, & Setyawan, P. D. (2022). The Effect of Nickel Electroplating on the Surface Hardness of Low Carbon Steel. *Energy, Materials and Product Design*, 1(2), 46–52.
- Siregar, A. M. (2003). Komputasi Persamaan Poisson. *Pendidikan Science*, 27(3).
- Siregar, K. (2014). *Simulasi dan Pemodelan (Aplikasi untuk Keteknikan Pertanian)*. Banda Aceh: CV Budi Utama.
- Solovjev, D., Solovjeva, I., & Konkina, V. (2019). Mathematical Modelling and Optimization of the Electroplating Process with a Rotating Cathode to Reduce the Non-Uniformity of the Coating Thickness. *MATEC Web of Conferences*, 298(14), 1–9.
- Suarsana, K., Astika, I. M., & Negara, D. N. . P. (2019). Efek Tegangan Listrik dan Waktu Proses Elektroplating Krom Keras terhadap Tebal Lapisan. *Energi dan Manufaktur*, 12(2), 75–81.
- Sukmawati, A., Purba, H. S., & Pramita, M. (2021). *Metode Numerik*. Banjarmasin: CV Budi Utama.
- Suryani, E., Hendrawan, R. A., & Rahmawati, U. E. (2020). *Model dan Simulasi Sistem Dinamik*. Yogyakarta: CV Budi Utama.
- Suwarno, S., & Chin, C. (2021). Implementation of Automation System to Control Machine Voltage of Electroplating Process. *Informatics and Telecommunication Engineering*, 4(2), 404–413.
- Tahu, F., U.K.Maliwemu, E., & Limbong, I. S. (2015). Pengaruh Tegangan Listrik dan Waktu Terhadap Kekerasan Mikro Pelapisan Nikel-Krom Pada Produk Pengecoran Aluminium Bekas (Scrap). *Teknik Mesin*, 2(2), 27–36.
- Wulandari, R. D. S., Paristiowati, M., & Allanas, E. (2020). *Elektrokimia*

Aplikasinya dalam Kehidupan. Jakarta: Universitas Negeri Jakarta.

Yasu, R. M., & Hadi, C. F. (2021). Pengaruh Tegangan Terhadap Besar Kuat Arus Pada Persamaan Hukum Ohm. *Zetroem*, 3(1), 34–36.



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