

DAFTAR PUSTAKA

- [1] I. Gusti, A. Arwati, and F. Tifani, "Corrosion rate analysis of JIS G-3141 steel for automotive inner wheel house production using the weight loss method," *World Chemical Engineering Journal*, vol. 6, no. 1, 2022. [Online]. Available: <http://jurnal.untirta.ac.id/index.php/WCEJ>
- [2] Napitupulu, Richard AM, and Wandipu P. Sihaloho. "Pengaruh Hot Dip Galvanizing Baja Karbon Rendah Terhadap Ketebalan Struktur Mikro Dan Kekerasan." *Sinergi Polmed: Jurnal Ilmiah Teknik Mesin* 6.2 (2025): 86-93.
- [3] S. Sumardi and D. Yoga, "Pengaruh variasi temperatur pencelupan terhadap sifat mekanik pada baja karbon rendah (0.02% C) dengan metode pelapisan hot-dip galvanizing," *Jurnal Rekayasa, Teknologi, dan Sains*, vol. 1, no. 1, 2017
- [4] Marder, Arnold Robert. "The metallurgy of zinc-coated steel." *Progress in materials science* 45.3 (2000): 191-271.
- [5] ASM International, *ASM Handbook, Volume 5: Surface Engineering*, Materials Park, OH, USA: ASM International, 2000.
- [6] ASTM International, *ASTM A123: Specification for Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products*. West Conshohocken, PA, USA, 2002.
- [7] American Galvanizers Association, *Hot-Dip Galvanizing for Corrosion Protection*, 2012.
- [8] R. M. Woods and J. A. Cole, *Galvanizing Handbook*. Cleveland, OH, USA: Zaclon Inc., 1996.
- [9] R. N. Pamujiningtyas and D. Hardjono, "Pengaruh komposisi ammonium chloride number (ACN) dan suhu terhadap kualitas baja hasil proses fluxing," *Distilat*, vol. 2, pp. 162–169, 2021. [Online]. Available: <http://distilat.polinema.ac.id>

- [10] A. Husen and A. Fato, “Analisa sifat mekanis baja pada bahan SPCC-HD dengan proses deep curling dalam pembuatan drum,” *PRESISI*, vol. 23, no. 1, 2021.
- [11] Japanese Standards Association, *JIS G 3141: Cold-reduced carbon steel sheets and strips*, Tokyo, Japan, 2017
- [12] R. Candra, U. Budiarto, and H. Yudo, “Pengaruh temperatur dan tegangan listrik pada proses elektroplating lapisan seng terhadap laju korosi baja karbon rendah A36,” *Jurnal Teknik Perkapalan*, 2024. [Online]. Available: <https://ejournal3.undip.ac.id/index.php/naval>
- [13] J. Jarwanto, A. B. M. Yusuf, and A. Suprihanto, “Pengaruh variasi waktu pencelupan hot-dip galvanizing terhadap ketebalan dan kekerasan lapisan baja ST 60,” *Jurnal Teknik Mesin*, vol. 11, no. 3, pp. 247–260, 2023.
- [14] W. D. Callister, Jr. and D. G. Rethwisch, *Materials Science and Engineering: An Introduction*, 10th ed. Hoboken, NJ, USA: John Wiley & Sons, 2018.
- [15] F. Gapsari, H. Setyarini, and F. A. Alamsyah, “Pengaruh kekasaran permukaan terhadap porositas hasil hot-dipped galvanizing (HDG),” *Jurnal Rekayasa Mesin*, vol. 3, no. 1, 2012.
- [15] F. Gapsari, H. Setyarini, and F. A. Alamsyah, “Pengaruh kekasaran permukaan terhadap porositas hasil hot-dipped galvanizing (HDG),” *Jurnal Rekayasa Mesin*, vol. 3, no. 1, 2012.
- [16] Qi Liu, Yuqing Cao, Shuai Chen, Xinye Xu, Mutian Yao, Jie Fang, Kuan Lei, dan Guiqun Liu, “Hot-dip galvanizing process and the influence of metallic elements on composite coatings,” *Journal of Composites Science*, vol. 8, no. 5, 2024, doi: 10.3390/jcs8050160.
- [17] N. Pistofidis, G. Vourlias, S. Konidaris, E. Pavlidou, G. Stergioudis, and D. Tsipas, “The effect of preflux bath additives on the morphology and structure of the hot-dip galvanized coatings,” *Crystal Research and Technology*, vol. 41, no. 8, pp. 759–765, 2006, doi: 10.1002/crat.200510664.

- [18] M. Nugroho and M. Arya, "Pengaruh waktu dan temperatur hot-dip galvanizing terhadap ketebalan dan kekuatan bending pada baja ST 41," *Jurnal Teknik Mesin*, vol. 8, no. 1, 2020.
- [19] R. H. Eleue and B. S. Mahdi, "Effect of dipping time and temperature on produced intermetallic phases thickness in hot-dip galvanizing process," *Al-Muhandis Journal (JMISE)*, p. 50, 2018.
- [20] B. Agustami, "Pengaruh variasi komposisi fluxing dan waktu celup terhadap nilai laju korosi, tebal lapisan, dan struktur mikro hot-dip galvanizing baja karbon rendah SSPC-SD," Skripsi, Fakultas Teknik, Universitas Sultan Ageng Tirtayasa, Cilegon, 2013.
- [21] Asosiasi Galvanis Indonesia, *Desain manual hot dip galvanizing*, Edisi IV. Jakarta, Indonesia: Asosiasi Galvanis Indonesia, 2021.
- [22] F. Alif, "Analisa hipotesa menggunakan perangkat lunak dari hasil pengujian polarisasi pada material implan tulang dengan variasi lapisan permukaan," Skripsi, Institut Teknologi Sepuluh Nopember, Surabaya, 2020.
- [23] Munawir, Azwar, and Turmizi, "Analisa kegagalan poros pompa sentrifugal Ebara tipe 56-GA 4002 A melalui evaluasi pola patahan serta pengujian kekerasan dan metalografi," *Jurnal Mesin Sains Terapan*, vol. 3, no. 2, 2019.
- [24] D. Juliaptini, "Analisis sifat mekanik dan metalografi baja karbon rendah untuk aplikasi tabung gas 3 kg," Fakultas Sains dan Teknologi, Universitas Islam Negeri Syarif Hidayatullah, Jakarta, 2010.
- [25] E. Pretorius, "Influence of acceleration voltage on scanning electron microscopy of human blood platelets," *Microscopy Research and Technique*, vol. 73, no. 3, pp. 225–228, 2010.
- [26] Sahdiah, Halimahtus, and Robi Kurniawan. "Optimasi Tegangan Akselerasi pada Scanning Electron Microscope–Energy Dispersive X-Ray Spectroscopy (SEM-EDX) untuk Pengamatan Morfologi Sampel Biologi." *Jurnal Sains Dan Edukasi Sains* 6.2 (2023): 117-123.

- [27] J. I. Goldstein, D. E. Newbury, D. C. Joy, C. E. Lyman, P. Echlin, E. Lifshin, L. Sawyer, and J. R. Michael, *Scanning Electron Microscopy and X-Ray Microanalysis*, 4th ed. New York, NY, USA: Springer, 2018.
- [28] Z. Takáčová, B. Hluchánová, and J. Trpčevská, “Leaching of zinc from zinc ash originating from hot-dip galvanizing,” *Metall*, vol. 64, no. 12, p. 600, 2010.
- [29] Cheng, J., Zhao, J. H., Zhang, J. Y., Guo, Y., He, K., Shang-Guan, J. J., & Wen, F. L. “Microstructure and mechanical properties of galvanized-45 steel/AZ91D bimetallic material by liquid-solid compound casting”. *Materials*, 12.10 (2019) : 1651
- [30] Vourlias, G., Stergioudis, G., Polychroniadis, E. K., & Paulidou, E. “Inhibition effect of chloride layers in hot-dip galvanized steels,” *Journal of Materials Science Letters*, vol. 20, no. 8, pp. 729–731, 2001.