

## **DAFTAR PUSTAKA**

**www.itk.ac.id**

- Alim, N. A. R. A., & Rusni, N. A. (2008). "A Study On The Effect Of Surface Finish On Corrosion Of Carbon Steel In CO<sub>2</sub> Environment." Mechanical Engineering Universiti Teknologi Petronastronoh, Perak.
- Almansour, A., Azizi, M., Jesri, A. M., & Entakly, S. (2015). "Effect Of Surface Roughness on Corrosion Behavior of Aluminum Alloy 6061 In Salt Solution (3.5% NaCl)." *International Journal of Academic Scientific Research*, 3(4), 37-45.
- American Bureau of Shipping (2016). *Guidance Notes On The Application And Inspection Of Marine Coating Systems Industries*. ABS, USA.
- ASM International. (1990). *ASM Handbook Vol. 2 - Properties and Selection: Nonferrous Alloys and Special - Purpose Materials* (Issue 7). The Materials Information Company. <https://doi.org/10.1007/s004310050884>.
- ASTM G31 – 72. (2004). *ASTM G31: Standard Practice for Laboratory Immersion Corrosion Testing of Metals*. (Reapproved), 5–7.
- ASTM D3359-19, A. (2012). *Standard Test Methods for Measuring Adhesion by Tape Test 1*. 1–8. <https://doi.org/10.1520/D3359-09E02.2>.
- ASTM D7334 – 08. (2013). *Standard Practice for Surface Wettability of Coatings, Substrates by Advancing Contact Angle Measurement*. ASTM International.
- Bahadori, A. (2014). *Corrosion and Materials Selection*. In *Iscience* (John Wiley, Vol. 8, Issue 5).
- Bayuseno, A. P. (2009). "Analisa Laju Korosi pada Baja untuk Material Kapal Dengan dan Tanpa Perlindungan Cat." *Rotasi*, 11(3), 32-37.
- Bico, J., Thiele, U., & Quéré, D. (2002). *Wetting of textured surfaces. Colloids and Surfaces A: Physicochemical and Engineering Aspects*, 206(1-3), 41-46.
- Callister Jr, W. D., & Rethwisch, D. G. (2001). *Fundamentals of Materials Science*

*and Engineering: An Integrated Approach.* John Wiley & Sons.  
[https://doi.org/10.1007/978-981-10-2529-7\\_2](https://doi.org/10.1007/978-981-10-2529-7_2).

Callister Jr, W. D., & Rethwisch, D. G. (2014). *Fundamentals of Materials Science and Engineering*. John Wiley & Sons, Ltd.

Choudhury, S. K., & Chinchanikar, S. (2016). 1.3 finish machining of hardened steel. *Comprehensive Materials Finishing*, 29, 47.

ECCA. (2011). *The Basics of Corrosion Technical paper Contents Introduction*.

Edwards, J. D., & Wray, R. I. (1935). "Painting Aluminum and Its Alloys." *Industrial & Engineering Chemistry*, 27(10), 1145-1149.

Eshaghi, A., & Eshaghi, A. (2012). "Effect Of Chromate Conversion Coatings On The Adhesion And Corrosion Resistance Of Painted 5083 Aluminum Alloy." *Materials Science*, 48(2), 171-175.

Fontana. (1986). *Corrosion Engineering and Corrosion Science. In Materials Performance* (Vol. 19, Issue 10, pp. 51–52). <https://doi.org/10.5006/0010-9312-19.6.199>.

Friansyah, R., & Sutjahjo, D. H. (2019). "Analisa Laju Korosi Dengan Variasi Waktu, Kecepatan Dan Salinitas Air Laut Pada Lunas Bilga (Bilge Keel) Kapal." *Jurnal Pendidikan Teknik Mesin*, 9(1).

Guruviah, S. (1987). Coatings for marine environments. *Bulletin of Electrochemistry*, 3(5), 409-414.

Hardjono, S. (2013). "Kajian Karakteristik Desain Kapal Penumpang Yang Sesuai Untuk Perairan Kabupaten Kepulauan Anambas." *Warta Penelitian Perhubungan*, 25(6), 416-429.

Harmanto, S. (2018). "Pengaruh Kekasarhan Ampelas Terhadap Kekasarhan Permukaan Bahan Aluminium, Kayu Jati, Dan Mahoni." *Jurnal Rekayasa Mesin*, 13(2), 38-45.

- Huhtamäki, T., Tian, X., Korhonen, J. T., & Ras, R. H. A. (2018). "Surface-Wetting Characterization Using Contact-Angle Measurements." *Nature Protocols*. 13(7), 1521–1538. doi:10.1038/s41596-018-0003-z.
- Kubiak, K. J., Wilson, M. C. T., Mathia, T. G., & Carval, P. (2011). "Wettability Versus Roughness Of Engineering Surfaces." *Wear*, 271(3-4), 523-528.
- Mulyanto, T., & Arta, S. P. (2020). "Pengaruh Perlakuan Awal Terhadap Daya Rekat Dan Kekuatan Lapisan Pada Proses Pengecatan Serbuk." *Jurnal Asiimetrik: Jurnal Ilmiah Rekayasa & Inovasi*, 25-32.
- NACE. (2012). *Corrosion Control in The Refining Industry Supplemental Material* (Issue January).
- Nugroho, C. T., Pratikno, H., & Purniawan, A. (2017). "Analisa Pengaruh Material Abrasif Pada Blasting Terhadap Kekuatan Lekat Cat dan Ketahanan Korosi di Lingkungan Air Laut." *Jurnal Teknik ITS*, 5(2).
- Ohtsuka, T., Nishikata, A., Sakairi, M., & Fushimi, K. (2015). *Springer Briefs In Molecular Science Electrochemistry for Corrosion Fundamentals*. Springer.
- Pawlowski, Lech . (2008). *The Science and Engineering of Thermal Spray Coating Second Edition*.The Atrium, Southern Gate, Chichester,West Sussex PO198SQ, England: John Wiley & Sons Ltd.
- Pedferri, P. (2018). *General Principles of Corrosion*. Springer Nature Switzerland AG 2018. [https://doi.org/10.1007/978-3-319-97625-9\\_1](https://doi.org/10.1007/978-3-319-97625-9_1).
- Perez, N. (2004). *Electrochemistry and corrosion science* (Vol. 412). Boston: Kluwer academic publishers.
- Prasetyo, S., Budiarto, U., & Amiruddin, W. (2019). "Analisa Laju Korosi Pada Material Aluminium 5083 Menggunakan Media Air Laut Sebagai Aplikasi Bahan Lambung Kapal." *Jurnal Teknik Perkapalan*, 7(4), 161–167. <https://ejournal3.undip.ac.id/index.php/naval/article/view/24482>.
- Quéré, D. (2008). *Wetting and Roughness. Annual Review of Materials Research*, 38, 71–99. <https://doi.org/10.1146/annurev.matsci.38.060407.132434>.

Romhanji, E., & Popovic, M. (2006). "Problems And Prospect Of Al-Mg Alloys Application In Marine Constructions." *Metalurgija*, 12(4), 297-307.

Sajid, H. U. and Ravi Kiran, (2018). "Influence Of Corrosion And Surface Roughness On Wettability Of ASTM A36 Steels." *Journal of Constructional Steel Research*, 144, 310–326. <https://doi.org/10.1016/j.jcsr.2018.01.023>.

Samtaş, G. (2015). "Optimisation Of Cutting Parameters During The Face Milling Of AA5083-H111 With Coated And Uncoated Inserts Using Taguchi Method." *International Journal of Machining and Machinability of Materials*, 17(3-4), 211-232.

Sidiq, M. F. (2013). "Analisa Korosi dan Pengendaliannya." *Jurnal Foundry*, 3(1), 25-30.

Suchaimi, M. (2017). "Pengaruh Jarak Nozzle Dan Tekanan Gas Pada Proses Pelapisan FeCrBMnSi Dengan Metode Wire Arc Spray Terhadap Ketahanan Thermal". Doctoral dissertation, Institut Teknologi Sepuluh Nopember.

Suharyo, O. S., Ahmadi, A., & Cahyono, D. W. (2017). "Analisa Pemilihan Tipe Kapal Patroli Di Perairan Indonesia Dengan Integrasi Metode Life Cycle Cost Dan Mcdm." *Journal Asro-Sttal-International Journal*, 7, 1-15.

Sulardjaka, S. (2019). "Kajian Sifat Fisis Dan Mekanis Material Komposit Dengan Matrik AlSiMg Diperkuat Dengan Serbuk SiC." *Prosiding SNATIF Ke-6 Tahun 2019*, 5(2007), 96–101.

Sunardi, S., Nugroho, A. W., & Julianto, A. Z. (2017). "Pengaruh Diameter Steel Ball Shot Peening Terhadap Kekasaran Permukaan, Wettability Dan Laju Korosi Pada Stainless Steel AISI 304." *JMPM (Jurnal Material dan Proses Manufaktur)*, 1(2), 82-86.

Suparman, Sidik Teguh, Ramang Magga, and Muhammad Zuchry. (2019). "Laju Korosi Pada Stainless Steel Dalam Media Pertalite." *Jurnal Mekanikal* 10, No.1.

- Suratman, R. (2001). "Karakteristik Korosi Aluminium dan Baja Tahan Karat." *Jurnal Sains dan Teknologi Nuklir Indonesia (Indonesian Journal of Nuclear Science and Technology)*, 2(1), 12.
- Thiese, M. S., Ronna, B., & Ott, U. (2016). "P Value Interpretations and Considerations." *Journal Of Thoracic Disease*, 8(9), E928.
- Toloei, A., Stoilov, V., & Northwood, D. (2013, November). "The Relationship Between Surface Roughness and Corrosion." In *ASME International Mechanical Engineering Congress and Exposition* (Vol. 56192, p. V02BT02A054). American Society of Mechanical Engineers.
- Triastuti, Warlinda Eka, and Arief Subekti. (2013). "Karakter Fisik dan Korosi Mangan Hasil Pelapisan pada Baja AISI 1020." *KAPAL: Jurnal Ilmu Pengetahuan dan Teknologi Kelautan* 10, no. 1; 1-7.
- Utomo, R. S. B., & Alva, S. (2017). "Studi Dan Karakterisasi Laju Korosi Logam Aluminium Dengan Pelapisan Membran Sol-Gel." *Jurnal Teknik Mesin*, 6(3), 191.
- Van der Straeten, K., Sparla, J., Olowinsky, A., & Gillner, A. (2019). "Influence Of Self-Organizing Microstructures On the Wettability Of Molten Plastic On Steel for Hybrid Plastic-Metal Joints." *Welding in the World*, 63(5), 1431-1441.
- Wu, R. M., Sun, Z. F., Chao, G. H., Jiang, H. Y., & Lin, W. T. (2014). "Study on Wettability of Aluminum Alloy Superhydrophobic Surface." In *Advanced Materials Research* (Vol. 1081, pp. 192–195. Trans Tech Publication Ltd.
- Zaki. (2006). *Principles of Corrosion Engineering and Corrosion Control*. Elsevier Ltd.