



UNIVERSITAS
GADJAH MADA

ANALISIS KOROSI MATERIAL STAINLESS STEEL 253 MA DAN 316L DI LINGKUNGAN WASTE

WATER INDUSTRI PULP,

KERTAS DAN RAYON

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DAFTAR PUSTAKA

Arwati Ayu, Majlan Herianto Edy, Ramli Wan, Daud Wan , Loh Kee. Temperature Effects on Stainless Steel 316L Corrosion in the Environment of Sulphuric Acid (H_2SO_4), 2018.

Askeland R Donald, P.Fulay Pradeep, J.Wright Wendelin, The Scinece and Engineering of Materials. 6th Edition (2010), 103-108.

ASM Metal Handbook 9th Edition Hal 1419

Bardal Elinar. 2003. Corrosion and Protection. Springer. United States of America. Page 90 – 171.

Budianto Anwar, Purwantini, K dan BA. Tjipto, S. 2009. Pengamatan Struktur Mikro pada Korosi Antar Butir dari Material Baja Tahan Karat Austenitik setelah Mengalami Proses Pemanasan. Jurnal Forum Nuklir. 3 (2): 107 – 130.

Brando W.S, Buchno V.T.L, Marques P.V, Modenesi P.J, Avoiding Problems When Welding AISI 430 Ferritic Stainless Steel. Welding International 1992, 6 (6), 713-716.

Callister, W. D and Rethwisch, D. G. 2010. Material Science and Engineering an Introduction Eight Edition. John Wiley & Sons, Inc. United States of America. Page..

Chouttu Ram, Bushra Zaman, Amit Dir. *Study on corrosion investigation* . Environ Technol 2015b: 742-749.

Cobb Harold M.199. Steel Product Manual: Stainless Steel. Iron and Steel Society. United States of America.Page1.

Chouttu Ram, C.Sharma, and A.K.Sing, *Electrochemical Corrosion Investigation on Distillery Effluent*, 2014, submitted for publication.

Cramer, S. D and Jr. Bernard, S. C. 2003. ASM Handbook Volume 13A Corrosion: Fundamental, Testing, and Protection. ASM international. United States of America. Page 589 – 592, 606 – 608, 764, 1052, 1420.

Davis JR. Corrosion: Understanding the basics, ASM International, OH, USA: Materials Park, 2000.

Denny A. Jones, Principles and Prevention of Corrosion ; Macmillan Publishing Company, New York, 1992.

During. 1991. Stress Corrosion Cracking of Type 316 Stainless Steel Under Thermal Insulation at 50 to 60°C. Rising Water Containing 60 mg/kg of Chloride and Residual Stresses area at the Origin of Cracking.

Engler O. 2010. Introduction to Texture Analysis: Macrotexture, Microtexture and Orientation Maping. Prancis:CRC Press.



Ghanyl Abdel N.A , Shenawy A.E. El, Hussien W.A. The Inhibitive Effect of Some Amino Acids on the Corrosion Behaviour of 316L Stainless Steel in Sulfuric Acid Solution, 2011

Gunaatmaja, A. 2011. Korosi pada Baja Karbon Rendah dengan Penambahan Ekstrak Ubi Ungu sebagai Inhibitor Organik di Lingkungan NaCl 3,5%. (Skripsi). Universitas Indonesia. Depok. Hal 9 – 13.

<https://www.abfad.co.uk/editorial/pitting-corrosion-and-storage-tank-failure/>

<http://m10mechanicalengineering.blogspot.com/2013/11/macam-macam-bentuk-korosi.html>

<https://www.nace.org/resources/general-resources/corrosion-basics/group-2/cavitation-erosion>.

Hirani Harish. 2009. *Root Cause Failure Analysis of Outer Ring Fracture of Four-Row Cylindrical Roller Bearing*.

Jones, D. A. 1996. Principles and Prevention of Corrosion Second Edition. Prentice Hall, Inc. United States of America. Page 34 – 390.

Kareem, B. 2006. Quality Verification of Made in Nigeria Steel Bars. Nigeria. Vol 5.PP 33-36

Lely Susita R.M., dkk. Karakterisasi Struktur Mikro Stainless-Steel Hasil Implant Asi Ion Nitrogen. Yogyakarta : PPNY Batan.1996.

Lesmana Romy. 2006. Pengaruh Masukan Panas dan Perlakuan Panas terhadap Karakteristik Mekanis dan Korosi Material Stainless Steel AISI 304. Universitas Indonesia. Jakarta

Lister DH. Corrosion for Engineers, University of New Brunswick: Canada; 2005.

Mehdi Javidi, Seyyed Mohammad Saleh Haghshenas, Mohammad Hossein Shariat, CO₂ corrosion behavior of sensitized 304 and 316 austenitic stainless steel in 3.5 wt% NaCl solution and presence of H₂S, 2020.

Oberg. Machinerys Handboox, 1996.

Parikin, Bandriyana, A. H. Ismoyo, Effects of adding Cu element on the crystal structure of ZrNbMoGe alloys, Conference of Nuclear Technology, Center for Technology of Accelerator and Material Process (2013), 103-108.

Pengky Adie. 2008. Pengaruh Quenching terhadap karakteristik mekanis dan ketahanan korosi pada material super duplex UNS S32750 Lasan.Skripsi.Jakarta.Universitas Indonesia.Hal 5-34.

Roberge Pierre. 2000. Handbook of Corrosion Engineering. McGraw-Hill. New York. Page 155 – 200, 1093.

Shreir, L. L., Jarman, R. A and Burstein, G. T. 2000. Corrosion Volume 1: Metal/ Environment Reactions. Planta Tree. Britania. Page 193 – 195.



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Slamet, S. J. (1994). Kesehatan Lingkungan. Yogyakarta: Gadjah Mada University Press.

Smallman, R. E. dan Bishop, R. J., Metalurgi Fisik Modern dan Rekayasa Material, Edisi Keenam, Erlangga, Jakarta,2000.

Subiyanto Gatot, Ngatiin Agustinus. 2013. *Carbon Steel Corrosion in The Atmosphere, Cooling Water Systems, and Hot water*, Bandung.

Tretheway, K.R., Chamberlain, J., 1991, Korosi untuk Mahasiswa Sains dan Rekayasa, Terjemahan PT Gramedia Pustaka Utama, Jakarta.