

## DAFTAR ACUAN

- [1]. C. Grard, *Aluminium and its Alloys* (Washington: Constable & Company Ltd., 1920), hal. 15
- [2]. Michael Cartier, *Handbook of surface treatments and coating* (New york: ASME press., 2003)
- [3]. Grzegorz D. Sulka dan Marian Jaskuła, “Defects Analysis in Self-Organized Nanopore Arrays Formed by Anodization of Aluminium at Various Temperatures,” *Journal of Nanoscience and Nanotechnology*, VI (2006), hal. 3803–3811
- [4]. Grzegorz D. Sulka, Krzysztof G. Parko, “Anodising Potential Influence on Well-ordered Nanostructures Formed by Anodisation of Aluminium in Sulphuric Acid,” *Journal of Thin Solid Films*, 515 (Januari 2006), hal. 338 - 345
- [5]. <http://en.wikipedia.org/wiki/Aluminium> (Diakses 13 Juni 2008, pukul 14.00 WIB)
- [6]. Altenpohl D., *Aluminium Viewes from Within: An Introduction Into the Metallurgy of Aluminium Fabrication*, (Dusseldorf : Aluminium Verlag, 1982)
- [7]. Zaki Ahmad, *Principles of Corrosion Engineering and Corrosion Control*, (Elsevier Science & Technology Books ,2006), hal 51
- [8]. <http://www.madehow.com/Volume-1/Aluminum-Foil.html> (Diakses 12 Juni, pukul 15.00 WIB)
- [9]. Nestor Perez, *Electrochemistry and Corrosion Science*, (Boston: Kluwer Academic Publisher, 2004), hal. 210
- [10]. ASM Handbook Volume 5, *Surface Engineering*, (USA: ASM International, 1994), hal. 1420
- [11]. ASM Handbook Volume 5, *Surface Engineering*, (USA: ASM International, 1994), hal. 1429
- [12]. ASM Handbook Volume 5, *Surface Engineering*, (USA: ASM International, 1994), hal. 1416

- [13]. ASM Specialty Handbook, *Alumunium and Alumunium Alloys*. (Ohio: ASM International, 1993), hal. 13
- [14]. <http://www.artmetal.com> (Diakses 17 Maret 2008, pukul 10.00 WIB)
- [15]. Robert S. Alwitt (2002), “Anodizing”, *Boundary Technologies, Inc.* Northbrook USA <http://electrochem.cwru.edu/ed/encycl/art-a02-anodizing.htm> (Diakses 17 Maret 2008, pukul 10.15 WIB)
- [16]. [www.anodizing.org](http://www.anodizing.org) (Diakses 12 April 2008, pukul 10.00 WIB)
- [17]. <http://www-rcf.usc.edu> (Diakses 12 April 2008, pukul 10.00 WIB)
- [18]. Aluminium handbook 2, *Forming Casting, Surface Treatment, Rercycling and Ecology* (Germany: Aluminium verlag marketing and kommunikation GmbH.,2003), hal. 229
- [19]. S.S. Abdel Rehim, M.H. Hassan dan M.A. Amin, “Galvanostatic Anodization of Pure Al in Some Aqueous Acid SolutionsPart I: Growth Kinetics, Composition and Morphological Structure of Porous and Barrier-type Anodic Alumina Films” *Journal of Applied Electrochemistry*, 32 (2002), hal. 1257–1264
- [20]. Re-Long Chiu dan Peng – Heng Chang, “Thickness Dependence of Refractive Index for Anodic Aluminium Oxide Films”, *Journal of Material Science Letters*, 16 (1997), hal. 174–178
- [21]. P. Bocchetta, *et al.*, “Asymmetric Alumina Membranes Electrochemically Formed in Oxalic Acid Solution”, *Journal of Applied Electrochemistry*, 32 (2002), hal 977–985
- [22]. I. Vrublevsky, *et al.*, “ Effect of the Current Density on the Volume Expansion of the Deposited Thin Films of Aluminum During Porous Oxide Formation”, *Journal of Applied Surface Science*, 220 (2003), hal. 51–59
- [23]. Suryo Mulyono. “Studi Pengaruh Tegangan AnodizingTerhadap Nilai Kekerasan dan Ketebalan Lapisan Oksida Aluminium XXXX Hasil Anodizing Untuk Aplikasi Piston”. Skripsi, Program Sarjana Fakultas Teknik UI, Depok, 2006.
- [24]. Nai-Qin Zhao, *et al.*, “Effects of Anodizing Conditions on Anodic Alumina Structure”, *Journal of Material Science Letters*, 42 (2007), hal. 3878 - 3882

- [25]. Sachiko Ono dan Noboru Masuko, "Evaluation of Pore Diameter of Anodic Porous Films Formed on Aluminum", *Journal of Surface and Coatings Technology*, 169 –170 (2003), hal. 139–142
- [26]. ASM Handbook Volume 5, *Surface Engineering*, (USA: ASM International, 1994), hal. 1417 - 1419
- [27]. John Dainith, *Kamus Lengkap Kimia*, (Jakarta: Erlangga, 1999), hal. 316
- [28]. ASM Handbook Volume 5, *Surface Engineering*, (USA: ASM International, 1994), hal. 1430 - 1431
- [29]. <http://www.gordonengland.co.uk/hardness/microhardness.htm> (Diakses 17 Maret 2008, pukul 14.00 WIB)
- [30]. <http://www.ccsi-inc.com/t-rockwell2.htm> (Diakses 17 Maret 2008, pukul 15.00 WIB)
- [31]. ASTM E 384 - 99, *Standart Test Method for Microindentation Hardness of materials* (USA: ASM International, 1999), hal. 3
- [32]. James E. Brady, *Kimia Universitas – Asas & Struktur*, terj. Sukmariah Maun (Jakarta: Binarupa Aksara, 1999)
- [33]. Pakes A, "Development of Porous Anodic Films on 2014-T4 Aluminium Alloy in Tetraborate Electrolyte", *Journal of Corrosion Science*, 45 (2003), hal. 1275–1287
- [34]. Satoshi Kawai, *Anodizing and Coloring of Aluminium Alloys*, (Ohio: ASM International, 2002), hal. 8
- [35]. <http://www.microphotonics.com> (Diakses 17 juni 2008, pukul 09.00 WIB)
- [36]. W.C. Oliver dan G.M. Pharr, "Measurement of Hardness and Elastic Modulus by Instrumented Indentation: Advances in Understanding and Refinements to Methodology", *Journal of Mater. Res.*, 19 (2004), hal. 3
- [37]. <http://en.wikipedia.org/wiki/Nanoindentation> (Diakses 17 juni 2008, pukul 08.30 WIB)
- [38]. P.G. Sheasby dan Pinner R., *The surface Treatment and Finishing of Aluminium and its Alloy* (USA: ASM International, 2001), hal. 329

## DAFTAR PUSTAKA

- Altenpohl D., *Aluminium Viewes from Within: An Introduction Into the Metallurgy of Aluminium Fabrication*, (Dusseldorf : Aluminium Verlag, 1982)
- Aluminium handbook 2, *Forming Casting, Surface Treatment, Rercycling and Ecology* (Germany: Aluminium verlag marketing and kommunikation GmbH, 2003)
- ASM Handbook Volume 5, *Surface Engineering*, (USA: ASM International, 1994)
- ASM Specialty Handbook, *Alumunium and Alumunium Alloys*. (Ohio: ASM International, 1993)
- ASTM E 384 - 99, *Standart Test Method for Microindentation Hardness of materials* (USA: ASM International, 1999)
- C. Grard, *Aluminium and its Alloys* (Washington: Constable & Company Ltd., 1920)
- Callister D.William, *Material Science And Engineering An Introduction*. Sixth Edition. (Singapore: John Wiley & Sons, Inc. 2003)
- Diktat Panduan Praktikum Korosi dan Perlindungan Logam, Laboratorium korosi dan Perlindungan Logam jurusan Teknik Metalurgi, 1999
- Fontana, Mars G., "Corrosion Engineering", (Singapore: McGraw-Hill Book Company, 1986)
- Grzegorz D. Sulka dan Marian Jaskuła, "Defects Analysis in Self-Organized Nanopore Arrays Formed by Anodization of Aluminium at Various Temperatures," *Journal of Nanoscience and Nanotechnology*, VI (2006)
- Grzegorz D. Sulka, Krzysztof G. Parko, "Anodising Potential Influence on Well-ordered Nanostructures Formed by Anodisation of Aluminium in Sulphuric Acid," *Journal of Thin Solid Films*, 515 (Januari 2006)
- I. Vrublevsky, et al., " Effect of the Current Density on the Volume Expansion of the Deposited Thin Films of Aluminum During Porous Oxide Formation", *Journal of Applied Surface Science*, 220 (2003)
- James E. Brady, *Kimia Universitas – Asas & Struktur*, terj. Sukmariah Maun (Jakarta: Binarupa Aksara, 1999)
- John Dainith, *Kamus Lengkap Kimia*, (Jakarta: Erlangga, 1999)
- Jones A Denny, *Principles and Prevention of Corrosion*. (New York: Macmillan Publishing Company, 1992)
- Michael Cartier, *Handbook of surface treatments and coating* (New york: ASME press., 2003)

- Nai-Qin Zhao, *et al.*, "Effects of Anodizing Conditions on Anodic Alumina Structure", *Journal of Material Science Letters*, 42 (2007)
- Nestor Perez, *Electrochemistry and Corrosion Science*, (Boston: Kluwer Academic Publisher, 2004)
- P.G. Sheasby dan Pinner R., *The surface Treatment and Finishing of Aluminium and its Alloy* (USA: ASM International, 2001)
- P. Bocchetta, *et al.*, "Asymmetric Alumina Membranes Electrochemically Formed in Oxalic Acid Solution", *Journal of Applied Electrochemistry*, 32 (2002)
- Pakes A, "Development of Porous Anodic Films on 2014-T4 Aluminium Alloy in Tetraborate Electrolyte", *Journal of Corrosion Science*, 45 (2003)
- Re-Long Chiu dan Peng – Heng Chang, "Thickness Dependence of Refractive Index for Anodic Aluminium Oxide Films", *Journal of Material Science Letters*, 16 (1997)
- Robert S. Alwitt (2002), "Anodizing", *Boundary Technologies, Inc. Northbrook USA* <http://electrochem.cwru.edu/ed/encycl/art-a02-anodizing.htm>
- Sachiko Ono dan Noboru Masuko, "Evaluation of Pore Diameter of Anodic Porous Films Formed on Aluminum", *Journal of Surface and Coatings Technology*, 169 –170 (2003)
- Satoshi Kawai, *Anodizing and Coloring of Aluminium Alloys*, (Ohio: ASM International, 2002)
- S.S. Abdel Rehim, M.H. Hassan dan M.A. Amin, "Galvanostatic Anodization of Pure Al in Some Aqueous Acid SolutionsPart I: Growth Kinetics, Composition and Morphological Structure of Porous and Barrier-type Anodic Alumina Films" *Journal of Applied Electrochemistry*, 32 (2002)
- Suryo Mulyono. "Studi Pengaruh Tegangan Anodizing Terhadap Nilai Kekerasan dan Ketebalan Lapisan Oksida Aluminium XXXX Hasil Anodizing Untuk Aplikasi Piston". Skripsi, Program Sarjana Fakultas Teknik UI, Depok, 2006.
- W.C. Oliver dan G.M. Pharr, "Measurement of Hardness and Elastic Modulus by Instrumented Indentation: Advances in Understanding and Refinements to Methodology", *Journal of Mater. Res.*, 19 (2004)
- Zaki Ahmad, *Principles of Corrosion Engineering and Corrosion Control*, (Elsevier Science & Technology Books ,2006)
- <http://www.microphotonics.com>
- <http://www.ccsi-inc.com>
- <http://www.gordonengland.co.uk>
- <http://www.anodizing.org>
- <http://www-rcf.usc.edu>
- <http://www.artmetal.com>
- <http://en.wikipedia.org>