

DAFTAR ACUAN

- [1] ASM Metals Handbook, Vol 02 - Properties and Selection - Nonferrous Alloys and Special-Purpose Materials (USA: ASM International, 1997). Hal 17
- [2] George Brady and Henry, 15th Edition Material Handbook (Mc Graw Hill International Editions), hal 49
- [3] Adi Saputra, "Studi Pengaruh Perubahan Temperatur Elektrolit Anodizing Terhadap Nilai Kekerasan dan Ketebalan Lapisan Oksida Aluminium Hasil Anodizing untuk Aplikasi Piston," Skripsi, Program Sarjana Fakultas Teknik UI, Depok, 2006, hal 24.
- [4] Zaki Ahmad, *Principles of Corrosion Engineering and Corrosion Control* (Elsevier Science & Technology Books :2006). hal 51
- [5] Aluminium Handbook 2. "Forming, Casting, Surface Treatment, Recycling and Ecology". Aluminium-Verlag Marketing & Kommunikation GmbH. Germany.2003.
- [6] www.madehow.com ,diakses 24 April 2008
- [7] Keller F, Hunter MS, Robinson DL (1953) J Electrochem Soc 100:411.
- [8] MIL_A_8625F, Military Specification Anodic Coating For Aluminium and Aluminium Alloys (US Departments and Agencies of the Department of Defense : 1993).
- [9] ASM Handbook, Volume 5, Surface Engineering (USA: ASM International, 1998). hal 1416
- [10] Georgios Patermarakis, Konstantinos Moussoutzanis & Nikolaos Nikolopoulos. "Investigation of The Incorporation of Electrolyte Anions in Porous Anodic Al₂O₃ Films by Employing a Suitable Probe Catalytic Reaction". J Solid State Electrochem (1999) 3: 193 – 204.
- [11] I. Vrublevska, V. Parkouna, J. Schreckenbach & G. Marx . "Effect of The Current Density on The Volume Expansion of The Deposited Thin Films of Aluminum During Porous Oxide Formation" (Department of Microelectronics,

- Belarusian State University of Informatics and Radioelectronics, Institut für Chemie, Technische Universität Chemnitz, Germany : 2003).
- [12] P.G Sheasby and R.Pinner. “The Surface Treatment and Finishing of Aluminium and Its Alloy vol 1” (Ohio : ASM International , 2001).
- [13] ASM Metals Handbook, Volume 13A, Corrosion: Fundamentals, Testing, and Protection (USA : ASM International, 2003). hal 1905
- [14] I. Vrublevsky , A. Jagminas , J. Schreckenbach & Werner A. Goedel. “Electronic Properties of Electrolyte / Anodic Alumina Junction During Porous Anodizing”. (Department of Microelectronics, Belarusian State University of Informatics and Radioelectronics, Institute of Chemistry, A. Gos'tauto 9, LT-01108 Vilnius, Lithuania & Institut für Chemie, Technische Universität Chemnitz, Chemnitz D-09107, Germany : 2006).
- [15] www.aluminium.org/education/TALAT/lectures ,diakses 25 April 2008
- [16] Nai Qin Zhao, Xiao Xue Jiang, Chun Sheng Shi, Jia Jun Li, Zhi Guo Zhao & Xi Wen Du (2005). “Effects of anodizing conditions on anodic alumina structure”. *J Mater Sci* (2007) 42:3878–3882
- [17] Jessie Messa Siahaan, “Studi Pengaruh Penambahan Asam Oksalat Pada Elektrolit Asam Sulfat Terhadap Ketebalan dan Kekerasan Lapisan Oksida Hasil Anodisasi Aluminium AC8A,” Skripsi, Program Sarjana Fakultas Teknik UI, Depok, 2007, hal 43.
- [18] ASTM E384-99, *Standard Test Method for Microindentation Hardness of Materials*

DAFTAR PUSTAKA

- A.I. Vorobyova & E.A. Outkina (1997) "Study of Pillar Microstructure Formation With Anodic Oxides". *Thin Solid Films* 324_1998.1–10
- Adi Saputra, "Studi Pengaruh Perubahan Temperatur Elektrolit Anodizing Terhadap Nilai Kekerasan dan Ketebalan Lapisan Oksida Aluminium Hasil Anodizing untuk Aplikasi Piston," Skripsi, Program Sarjana Fakultas Teknik UI
- Ali Mustafa Alaouie. "Lipid Nanotube Arrays: Exploring Nanoscale Phenomena on Lipid-Substrate Interfaces" (Faculty of North Carolina State University : 2006)
- Aluminium Handbook 2. "Forming, Casting, Surface Treatment, Recycling and Ecology". Aluminium-Verlag Marketing & Kommunikation GmbH. Germany.2003.
- ASM Metals Handbook, Volume 02 - Properties and Selection - Nonferrous Alloys and Special-Purpose Materials (USA: ASM International, 1997).
- ASM Metals Handbook, Volume 13A, Corrosion: Fundamentals, Testing, and Protection (USA : ASM International, 2003).
- ASM Metals Handbook, Volume 5, Surface Engineering (USA: ASM International, 1998)
- ASTM E384-99, *Standard Test Method for Microindentation Hardness of Materials*
- G. D. Sulka, S. Stroobants, V. Moshchalkov, G. Borghs, and J.P. Celis (2001), "Synthesis of Well-Ordered Nanopores by Anodizing Aluminum Foils in Sulfuric Acid". *Journal of The Electrochemical Society*, 149 (7) D97-D103 (2002)
- George Brady and Henry, 12th Edition Material Handbook (Mc Graw Hill International Editions).

- Georgios Patermarakis, Konstantinos Moussoutzanis & Nikolaos Nikolopoulos. "Investigation of The Incorporation of Electrolyte Anions in Porous Anodic Al₂O₃ Films by Employing a Suitable Probe Catalytic Reaction".
- Hsing-Hsiang Shih, Shiang-Lin Tzou (1999). "Study of Anodic Oxidation of Aluminum in Mixed Acid Using a Pulsed Current". *Surface and Coatings Technology* 124 (2000) 278–285
- I. Vrublevska, V. Parkouna, J. Schreckenbach & G. Marx . "Effect of The Current Density on The Volume Expansion of The Deposited Thin Films of Aluminum During Porous Oxide Formation" (Department of Microelectronics, Belarusian State University of Informatics and Radioelectronics, Institut fu'r Chemie, Technische Universita't Chemnitz, Germany : 2003)
- I. Vrublevsky , A. Jagminas , J. Schreckenbach & Werner A. Goedel. "Electronic Properties of Electrolyte / Anodic Alumina Junction During Porous Anodizing". (Department of Microelectronics, Belarusian State University of Informatics and Radioelectronics, Institute of Chemistry, A. Gos'tauto 9, LT-01108 Vilnius, Lithuania & Institut fu'r Chemie, Technische Universita't Chemnitz, Chemnitz D-09107, Germany : 2006).
- Jaya Sarkar, Gobinda Gopal Khan & Basumallick, A (2007) "Nanowires: Properties, Applications and Synthesis via Porous Anodic Aluminium Oxide Template". *Bull. Mater. Sci.*, Vol. 30, No. 3, June 2007, pp. 271–290
- Jessie Messa Siahaan, "Studi Pengaruh Penambahan Asam Oksalat Pada Elektrolit Asam Sulfat Terhadap Ketebalan dan Kekerasan Lapisan Oksida Hasil Anodisasi Aluminium AC8A," Skripsi, Program Sarjana Fakultas Teknik UI, Depok, 2007, hal 43.
- Keller F, Hunter MS, Robinson DL (1953) *J Electrochem Soc* 100:411.
- Long Ba & Wei Sang Li (2000). "Influence of Anodizing Conditions on The Ordered Pore Formation in Anodic Alumina". *J. Phys. D: Appl. Phys.* 33 (2000) 2527–2531
- M Almasi Kashi and A Ramazani (2005). "The Effect of Temperature and Concentration on The Self-Organized Pore Formation in Anodic Alumina". *J. Phys. D: Appl. Phys.* 38 (2005) 2396–2399

- M1L_A_8625F, Military Specification Anodic Coating For Aluminium and Aluminium Alloys (US Departments and Agencies of the Department of Defense : 1993).
- Mel D. Ball (2005). “Advanced Aluminum Foil Products for Packaging Applications”. (Novelis Global Technology Centre : 2005).
- Nai Qin Zhao, Xiao Xue Jiang, Chun Sheng Shi, Jia Jun Li, Zhi Guo Zhao & Xi Wen Du (2005). “Effects of Anodizing Conditions on Anodic Alumina Structure”. *J Mater Sci* (2007) 42:3878–3882
- Parkhutik, V.P & Shershulsky, V.I (1992). “Theoretical Modelling of Porous Oxide Growth on Aluminium”. *J. Phys. D: Appl. Phys.* 25 (1992) 1258-1263
- Patrizia Bocchetta, Carmelo Sunseri , Giovanni Chiavarotti & Francesco Di Quarto (2002);. “ Microporous Alumina Membranes Electrochemically Grown”. *Electrochimica Acta* 48 (2003) 3175_ 3183
- Ramanathan, Sivakumar (2003). “Optical Characterization of Electrochemically Self Assembled Compound Semiconductor Nanowires”. (Virginia Commonwealth University Richmond : 2006)
- Re-Long Chiu, Peng-Heng Chang & Chih-Hang Tung (1994). “The Effect of Anodizing Temperature on Anodic Oxide Formed on Pure Al Thin Films”. *Thin Solid Films* 260 (1995) 47 53
- Sachiko Ono & Noboru Masuko (2003). “Evaluation of Pore Diameter of Anodic Porous Films Formed on Aluminum”. *Surface and Coatings Technology* 169 –170 (2003) 139–142
- Sheasby, P.G and R. Pinner. “The Surface Treatment and Finishing of Aluminium and Its Alloy vol 1” (Ohio : ASM International , 2001).
- Vázquez, A.L, Carrera, R , Castillo, S, Arce, E , Castillo, N & Morán-Pineda. “Microstructural Analysis by Scanning Electron Microscopy of Mesoporous Alumina Films Obtained by Anodization”. *Acta Microscopica* Vol. 17, No. 1, 2008, pp. 62–65
- Vladimir Shulgov_, Eugene Ignashev, and Elena Gurskaja(2005). “Correlation Between Formation Conditions and Breakdown Voltage of Anodic Oxide Films on Aluminum”. *Microchim Acta* 156, 147–150 (2007)

www.madehow.com

www.aluminium.org/education/TALAT/lectures

Yanchun Zhao, Miao Chen, Weimin Liu, Xiang Liu & Qunji Xue (2002).

“Preparation and Self-lubrication Treatment of Ordered Porous Anodic Alumina Film”. *Materials Chemistry and Physics* 82 (2003) 370–374

Zaki Ahmad, *Principles of Corrosion Engineering and Corrosion Control* (Elsevier Science & Technology Books :2006).

Zhao Jian Li & Ke Long Huang (2007) “Electrochemical Fabrication of Sandwich Nanostructures Based on Anodic Alumina”. *J. Braz. Chem. Soc.*, Vol. 18, No. 2, 406-409, 2007.

