



DAFTAR PUSTAKA

- Anasane, S., Pandey, A., Rathi, K.K., Panda, N., and Rafi, B., 2007, Total Knee Prosthesis: Design, Manufacture, and Testing, *Indian Journal of Surgery*, vol. 4, pp. 354-360.
- Arden, N., Blanco, F.J., Cooper, C., Guermazi, A., Hayashi, D., Hunter, D., Javaid, M.K., Rannou, F., Reginster, J., and Roemer, F.W., 2014, *Atlas of Osteoarthritis*, 1st ed, Springer Healthcare, London.
- Barletta, M., Pietrobono, F., Rubino, G., and Tagliaferri, V., 2014, Drag Finishing of Sensitive Workpieces with Fluidized Abrasives, *Journal of Manufacturing Processes*, vol. 16, pp. 494-502.
- Barletta, M., Gisario, A., Venettacci, S., and Rubino, G., 2014, A Comparative Evaluation of Fluidized Bed Assisted Drag Finishing and Centrifugal Disk Dry Finishing, *Engineering Science and Technology, an International Journal*, vol. 17, pp. 63-72.
- Budianto, D., 2016, Studi Sifat Fisis, Kekerasan, dan Fracture Toughness pada Komposit Kaolin/Zirconia, Program Studi Teknik Mesin Jurusan Teknik Mesin dan Industri Fakultas Teknik Universitas Gadjah Mada, Yogyakarta.
- Brach, R.M., 1988, Impact dynamics with Application to Solid Particle Erosion, *International Journal of Impact Engineering*, vol. 7, pp. 37-53.
- Bronzino, J.D., and Park, J.B., 2000, *Biomaterials in the Physiological Environment*, CRC Press LCC, Boca Raton, Florida.
- Callister, W.D., 2001, Fundamentals of Materials Science And Engineering, 5th ed, John Wiley and Sons, Inc., USA.
- Chen, Qian., 2012, *Osteoarthritis – Diagnosis, Treatment, and Surgery*, 1st ed., InTech, Croatia.
- Chowdury, S.K.R., Mishra, A., Pradhan, B., and Saha, D., 2004, Wear Characteristic and Biocompatibility of Some Polymer Composite Acetabular Cups, *Wear*, vol. 256, pp. 1026-1036.
- Davidson, D.A., Developments in Mass Finishing Technology, *Metal Finishing*, vol. 101, pp. 49-56.
- Davidson, D.A., 2008, Mass Finishing Processes, *Metal Finishing*, vol. 105, pp. 72-83.
- Enab, T.A., 2012, A Comparative Study of the Performance of Metallic and FGM Tibia Tray Components in Total Knee Replacement Joints, *Computational Materials Science*, vol. 53, pp. 94-100.



- Finnie, I., 1960, Erosion of Surfaces by Solid Particles, *Wear*, vol. 3, pp. 87-103.
- Fitriady, D., 2010, Pengaruh Deformasi Bending dan Forging terhadap Struktur Mikro dan Kekerasan pada Bidang Tarik dari Baja Tahan Karat 316L, Program Studi Teknik Mesin Jurusan Teknik Mesin dan Industri Fakultas Teknik Universitas Gadjah Mada, Yogyakarta.
- Ghaednia, H., Wang, X., Saha, S., Xu, Y., Sharma, A., and Jackson, R.L., 2017, A Review of Elastic-Plastic Contact Mechanics, *Applied Mechanics Review*, vol. 69, pp. 1-30.
- Gillespie, 2007, *Mass Finishing Handbook*, 1st ed., Industrial Press, New York.
- Hashimoto, F., 1996, Modelling and Optimization of Vibratory Finishing Process, *Annals of the CIRP*, vol. 45, pp. 303-306.
- Hashimoto, F., Johnson, S.P., and Chaudhari, R.G., 2016, Modelling of Material Removal Mechanism in Vibratory Finishing Process, *CIRP Annals*, vol. 65, pp. 325-328.
- Hashimoto, F., Yamaguchi, H., Krajnik, P., Wegener, K., Chaudari, R., Hoffmeister, H., and Kuster, F., 2016, Abrasive Fine-finishing Technology, *CIRP Annals – Manufacturing Technology*, vol. 65, pp. 597-620.
- Hench, L.L., 2013, *An Introduction to Bioceramics*, 2nd ed., Imperial College Press, London.
- Holzknecht, E., 2009, Everything You Need to Know About Mechanical/mass Finishing: A Workshop on the Role of Media in Mechanical Surface Finishing, *Metal Finishing*, vol. 107, pp. 27-31.
- Honeycombe, R.W.K., and Bhadeshia, H.K.D.H., 1995, *Steels: Microstructure and Properties*, 2nd ed., Gray Publishing, London.
- Hutchings, I.M., 1992, *Tribology: Friction and Wear of Engineering Materials*, 1st ed., Arnold, London.
- ISO 7207-2, *Implants for Surgery-components for Partial and Total Knee Joint Prostheses – Part 2 Articulating Surfaces Made of Metal, Ceramic and Plastics Materials*, 2011.
- ISO 10993-1, *Biomaterial Devices – Part 1: Evaluation and Testing within a Risk Management Process*, 2016.
- Jaber, S.A., Ruggiero, A., Battaglia, S., and Affatato, A., 2015, On the Roughness Measurement on Knee Prostheses, *International Journal Artificial Organs*, vol. 1, pp. 39-44.
- Jamal, M., and Morgan, M.N., 2017, Design Process Control for Improved Surface Finish of Metal Additive Manufactured Parts of Complex Build Geometry, *Inventions*, vol. 2, pp. 36-53.



- Kalpakjian, S. and Schmid, S.R., *Manufacturing Engineering and Technology*, 6th ed., Pearson, Singapore.
- Kobayashi, H., Beeline Flow Finishing Method and Apparatus, 1967, *US Patent 3.14149.871*.
- Long, M., and Rack, H.J., 1998, Titanium Alloys in Total Joint Replacement – A Metrial Science Perspective, *Biomaterials*, vol. 19, pp. 1621-1639.
- Lane, N.E. and Wallace, D.J., 2002, *All About Osteoarthritis*, 1st ed., Oxford University Press, Oxford.
- Liddle, A.D., Pegg, E.C., and Pandit, H., 2013, Knee Replacement for Osteoarthritis, *Maturitas*, vol. 75, pp. 131-136.
- Markatos, K., Tsoucalas, G., and Sgantzios, M., 2016, Hallmarks in the History of Orthopaedic Implants for Trauma and Joint Replacement, *Acta Medico-historica Adriatica*, vol. 14, pp. 161-176.
- Matsunaga, M., and Kobasyahi, H., 1981, Theory of Gyrofinishing and Examples in Deburring, Technical paper MR81-392. Deadborn, MI: Society of Manufacturing Engineers (SME).
- Mow, V.C., and Hayes, W.C., 1997, *Basic Orthopaedic Biomechanics*, 2nd ed, Lippincott-Raven, Philadelphia.
- Muratoglu, O.K., Burroughs, B.R., Bragdon, C.R., Christensen, S., Lozynsky, A., and Harris, W.H., 2004, Knee Simulator Wear of Polyethylene Tibias Articulating Against Explanted Rough Femoral Components, *Clinical Orthopaedics and Related Research*, vol. 428, pp. 108-113.
- Nine, M.J., Choudhury, D., Hee, A.C., Mootanah, R., and Osman, N.A.A., 2014, Wear Debris Characterization and Corresponding Biological Response: Artificial Hip and Knee Joints, *Materials*, vol. 7, pp. 980-1016.
- Park, J., and Lakes, R.S., 2007, *Biomaterials and Introduction*, 3rd ed, Springer, New York.
- Patel, N.R., and Gohil, P.P., 2012, A Review on Biomaterials: Scope, Applications, and Human Anatomy Significance, *International Journal of Emerging Technology and Advanced Engineering*, vol. 2, pp. 91-101.
- Ronn, K., Reischl, N., Gautier, E., and Jacobi, M., 2011, Current Surgical Treatment of Knee Osteoarthritis. *Journal of Arthritis*, vol. 2011, pp. 1-9.
- Schulze, V., Gibmeier, J., and Karacas, A., 2017, Qualification of the Stream Finishing Prosess for Surface Modification, *CIRP Annals – Manufacturing Technology*, vol. 66, pp. 523-526.
- Sobotta, J., 2006, *Atlas of Human Anatomy Volume 2: Trunk, Viscera, Lower Limb*, 14th ed., Elsevier, Munich.



- Soeroso, J., Isbagio, H., Kalim, H., Broto, R., and Pramudiyo, R., 2006, *Buku Ajar Ilmu Penyakit Dalam*, 4th ed., Pusat Penerbitan Ilmu Penyakit Dalam Fakultas Kedokteran Universitas Indonesia, Jakarta.
- Sundararajan, G., 1991, A Comprehensive Model for the Solid Particle Erosion of Ductile Materials, *Wear*, vol. 149, pp. 111-127.
- Tathe, A., Ghodke, M., and Nikalje, A.P., 2010, A Brief Review: Biomaterials and Their Application, *International Journal of Pharmacy and Pharmaceutical Sciences*, vol. 2, pp. 19-23.
- Uhlmann, E., Eulitz, A., and Dethlefs, A., 2014, Investigation into a Geometry-Based Model for Surface Roughness Prediction in Vibratory Finishing Processes, *International Journal of Advanced Manufacturing Technology*, vol. 75, pp. 815-823.
- Uhlmann, E., Eulitz, A., and Dethlefs, A., 2015, Discrete Element Modelling of Drag Finishing, *Procedia CIRP*, vol. 31, pp. 369-374.
- Wang, S., Timsit, R.S., and Spelt, J.K., 2000, Experimental Investigation of Vibratory Finishing of Aluminum, *Wear*, vol. 243, pp. 147-156.
- Williams, D.F., 1992, Mechanism of Biodegradation of Implantable Polymers, *Clinical Materials*, vol. 10, pp. 9-12.
- Yamada, H., *Strength of Biological Materials*, 1970, 1st ed, Williams and Wilkins, Baltimore.
- Yang, S., and Li, W., 2017, *Surface Finishing Theory and New Technology*, 1st ed., Springer, Beijing.
- Zarychta, P., 2018, A New Approach to Knee Joint Arthroplasty, *Computerized medical Imaging and Graphics*, vol. 65, pp. 32-45.
- Anonim, 2013. *Otec Drag Finishing Machine*.
<https://www.otec.de/en/products/mass-finishing/drag-finishing-machines>, 2013. Diakses tanggal 5 Februari 2018.
- Anonim, 2014, *Rosler Drag Finishing Machine*.
<https://us.rosler.com/us-en/products/mass-finishing/drag-finishing-machines>, 2014. Diakses tanggal 5 Februari 2018.
- Anonim, 2015, *Material Properties of Acrylic*.
<http://www.matweb.com/search/datasheet.aspx?bassnum=O1303>. Diakses tanggal 24 Desember 2018.