

DAFTAR PUSTAKA

- [1] Epstein, A.H., dkk, 2000, *Shirbutton-sized, Micromachined, and Gas Turbine Generators*, Cherry Hill, New Jersey, Amerika Serikat.
- [2] Bhushan, B., 2006, *Nanotribology and nanomechanics of MEMS/NEMS and BioMEMS/BioNEMS materials and devices*, Elsevier, Amerika Serikat.
- [3] Chhabra, R.P., and Richardson, J.F., 2008, *Non-Newtonian flow and applied rheology: Engineering Application*, Pergamon Press.
- [4] Tauviqirrahman, M., 2003, “Teori modifikasi persamaan Reynold”, Tugas Akhir, Universitas Diponegoro, Semarang.
- [5] Wijaya, R., 2010, “Analisa pengaruh kekasaran permukaan dan *slip* terhadap performansi pelumasan pada kontak *sliding* menggunakan metode volume hingga”, Tugas Akhir, Universitas Diponegoro, Semarang.
- [6] Zulfikar, A., 2010, “Optimasi daerah *slip* pada permukaan bertekstur pada pelumasan MEMS (*Micro Electro Mechanical System*)”, Tugas Akhir, Universitas Diponegoro, Semarang.
- [7] Widodo, K.A., 2009, *Numerical Simulation Sliding Contact with Cavitation Model*, Tugas Akhir, Universitas Diponegoro, Semarang.
- [8] Kurniawan, B., 2011, “Peningkatan performansi pelumasan *journal bearing* dengan pemberian *slip* dan kekasaran permukaan menggunakan metode volume hingga”, Tugas Akhir, Universitas Diponegoro, Semarang.
- [9] Rasdian, D., 2011, “Analisis pengaruh permukaan *slip texture* terhadap performansi pelumasan pada kontak *sliding* menggunakan metode volume hingga”, Tugas Akhir, Universitas Diponegoro, Semarang.
- [10] Irvansyah, M.N., 2011, “Pengaruh *wettability* dan kekasaran permukaan terhadap hidrodinamika aliran dengan kondisi batas *slip*”, Tugas Akhir, Universitas Diponegoro, Semarang.
- [11] Hori, Y., 2006, *Hydrodynamic Lubrication*, Springer-Verlag, Tokyo, Jepang.
- [12] Reynolds, O., 1886, “On the theory of lubrication and its application to Mr. Beauchamp Tower’s experiments, including an experimental determination of

- the viscosity of olive oil”, *Philosophical Transaction of the Royal Society of London, Part I* 77, pp. 157-234.
- [13] Hamrock, B.J., Schmid, S.R., and Jacobson, B.O., 2004, *Fundamental of Fluid Film Lubrication*, Marchel Dekker Inc, New York, Amerika Serikat.
- [14] Shigley, J.E., dan Mitchell, L.D., 1995, *Perencanaan Teknik Mesin*, Erlangga, Jakarta, Indonesia.
- [15] Stachowiak, G.W., and Batchelor, Q.W., 2006, *Engineering Tribology*, Elsevier Butterworth, Burlington, Amerika Serikat.
- [16] Almqvist, A., 2006, *On the Effect of Surface Roughness in Lubrication*, Doctoral Thesis, Lulea University of Technology, Swedia.
- [17] Wu, C.W., Ma, G.J., and Zhou, P., 2006, “Low friction and high load support capacity of slider bearing with a mixed slip surface”, *ASME-Journal of Tribology* 128, pp. 904-907.
- [18] Byun, D., Saputra, S., and Cheol, H.P., 2006, “Drag reduction on micro structured super-hydrophobic surface”, *IEEE Journal*, pp. 818-823.
- [19] Kim, C.J., Kim, J., 2002, “Nanostructured surface for dramatic reduction of flow resistance in droplet-based microfluidics”, *IEEE Journal*, pp. 479-482.
- [20] Sahlin, F., Glavatskih, S.B., Almqvist, T., and Larsson, R., 2005, “Two-dimensional CFD-analysis of micro-patterned surface in hydrodynamic lubrication”, *ASME-Journal of Tribology* 127, pp. 96-102.
- [21] Baldoni, F., 1996, “On slippage induced by surface diffusion”, *Journal of Engineering Mathematics* 30, pp. 647-659.
- [22] Jabbarzadeh, A., Atkinson, J.D., and Tanner, R.I., 2000, “Effect of the wall roughness on slip and rheological properties of hexadecane in molecular dynamics simulation of Couette shear flow between two sinusoidal walls”, *Physical Review Engineering* 61, pp. 690-699.
- [23] Tauviquirrahman, M., Ismail, R., Jamari, and Schipper, D.J., 2010, “Alternating direction implicit method for solving modified Reynolds equation in a lubricated sliding contact”, *Proceeding of National Seminar - Science and Technology*, Faculty of Engineering, University of Wahid Hasyim, Semarang, ISBN : 978-602-8273-25-1, pp. D.49 – D.54.

- [24] Mongkolwongrojn, W., and Wongsangam, J., 2006, "Experimental investigation of hydrodynamic journal bearings with non-Newtonian soybean-based oils", Ladkrabang, Bangkok, Thailand.
- [25] Sawyer, W.G., and Tichy, J.A., 1998 , "Non-Newtonian lubrication with the second-order Fluid", *ASME Journal of Tribology* 120, pp. 622-628.
- [26] Huang, P., Li, Z., Meng, Y., and Wen, S., 2001, "Study on hydrodynamic lubrication with second-order fluid (II)", *Journal of Numerical Analysis* 44, pp. 8-13.