

## DAFTAR PUTAKA

- Alfayad, S., Ouezdou, FB., Namoun, F., and Gheng, G., 2011, *“High Performance Integrated Electro – Hydraulic Actuator for Robotics – Part I : Principle, Prototype, Design and First Experiments”*, *Sensor and Actuators, A* 169, 115 – 123, Elsevier.
- Am, R., Kemalasari, Sumantri, B., and Wijayanto, A., 2015, *“Pengaturan Posisi Motor Servo DC dengan Metode Fuzzy Logic”*, Jurusan Teknik Elektronika, Politeknik Elektronika Negeri Surabaya, Institut Teknologi Sepuluh November, Surabaya.
- Ashby, G., and Bone, GM., 2016, *“Improved Hybrid Pneumatic – Electric for Robot Arm”*, *IEEE International Conference on Advanced Intelligent Mechatronics (AIM)*.
- Ashby, M.F., 1992, *“Materials Selections in Mechanical Design”*, Pergamon Press, UK.
- Bellmunt, OG., Ikhouane, F., and Miracle, DM., 2009, *“Control of a Piezoelectric Actuator Considering Hysterisis”*, *Sound and Vibration*, 326, 383 – 399 , Elsevier.
- Bilyaletdinova, L., and Steblinkin, A., 2017, *“Simulation of Direct Drive Electromechanical Actuator with Ballscrew”*, *Procedia Engineering* 176, 85 – 95, Elsevier.
- Bosch, 2014, *“Blue Power Tool Profesional untuk Konstruksi dan Industri”*, Jakarta.
- Budijanto, D., dkk, 2016, *“Profil Kesehatan Indonesia tahun 2016.”*, Kementerian Kesehatan Republik Indonesia, Jakarta.
- Budynas, R.G., and Nisbett, J.K., 2011, *“Shigley’s Mechanical Engineering Design Ninth Edition.”*, Mc Graw Hill, New York.
- Cambridge University Engineering Department, 2003, *“Materials Data Book”*, England.
- Dacapo Stainless, 2018, *“Nominal Pipe Sizes, Pipe Dimensions, Imperial/Metric Pipe Chart”*, Netherland.



- Dyto, NN., 2012, “*Rancang Bangun Prototipe Sistem Aktuator Menggunakan Brushed DC Motor dengan Pengendalian Fuzzy*”, Program Studi Teknik Elektro, Universitas Indonesia, Depok.
- Enrici, P., Dumas, F., Ziegler, N., and Matt, D., 2016, “*Design of a High – Performance Multi – Air Gap Linear Actuator for Aeronautical Applications*”, Volume 31 No. 3, *IEEE Transactions on Energy Conversion*.
- Giri, F., dkk., 2013, “*AC Electric Motors Controls, Advanced Design Techniques and Applications*”, A John Wiley and Sons Ltd. Publication, United Kingdom.
- Glikin, I., 2014, “*Screw Driven vs Belt Driven Rodless Actuators : How to Select Drive Trains for Reliability, Efficiency and Long Service Life*”, *Tolomatic Excellence in Motion*, China.
- Hall, A.S., Holowenko, A.R., Laughlin, H.G., 1961, “*Theory and Problems of Machine Design*”, *Schaum’s Outline Series*, Mc. Graw – Hill Inc., New York.
- Hatsuzawa, T., Hayase, M., and Oguchi, T., 2003, “*A Linear Actuator Based On Cilia Vibration*”, *Sensor and Actuators*, A 105, 183 – 189 , Elsevier.
- Hatsuzawa, T., Michishita, K., and Yanagida, Y., 2013, “*A Reciprocating Linear Actuator Driven by Anti – Phototaxis of Plankton*”, *Sensor and Actuators*, A 201, 316 – 320 , Elsevier.
- Herianto, Cahyadi, AI., Achmad, B., and Fikri, MR., 2015, “*Robotika, Buku Pengantar Robotika dan Mekatronika*”, Fakultas Teknik dan Fakultas MIPA, Universitas Gadjah Mada, Yogyakarta.
- Ide, T., Friend, J., Nakamura, K., and Ueha, S., 2006, “*A Non – Contacts Linear Bearing and Actuator Via Ultrasonic Levitation* ”, *Sensor and Actuators*, A 135, 740 – 747 , Elsevier.
- Igus, 2018, “*Drylin – Lead Screw Technology, Trapezoidal and Metric Threads* ”, United States
- Iynkaran, K., Seng, L.P., and How, T.S, 2006, “*Application of Mechanics and Material for Machine Design* ”, *Prentice Hall*, Singapore.
- Kan, J., Tang, K., Ren, Y., Zhu, G., and Li, P., 2009, “*Study on a Piezohydraulic Pump for Linear Actuator*”, *Sensor and Actuators*, A 149, 331 – 339, Elsevier.



- Kemendikbud, 2013, Direktorat Pembinaan Sekolah Menengah Kejuruan, Direktorat Jenderal Pendidikan Menengah, "*Teknik Dasar Elektronika Komunikasi.*", Jakarta.
- Kemendikbud, 2013, Direktorat Pembinaan Sekolah Menengah Kejuruan, Direktorat Jenderal Pendidikan Menengah, "*Teknik Pemesinan Bubut 1.*", Jakarta.
- Kemenkes, 2010, Peraturan Menteri Kesehatan Republik Indonesia Nomor 1190/MENKES/PER/VIII/2010, tentang "*Izin Edar Alat Kesehatan dan Perbekalan Kesehatan Rumah Tangga.*", Jakarta.
- Kemenperin, 2009, Peraturan Menteri Perindustrian Republik Indonesia Nomor 49/M-IND/PER/5/2009, tentang "*Pedoman Penggunaan Produk Dalam Negeri dalam Pengadaan Barang dan Jasa Pemerintah.*", Jakarta.
- Kohara Gear Industry, 2015, "*Katalog Steel Bevel Gears Modul 1 – 8*", Nakacho Kawaguchi-shi Saitama-ken Japan.
- Kharagpur, 2015, "*Module 6 Power Screw – Lesson 1 Power Screw Drives and Their Efficiency*", India.
- Khidr, EA., Mohamed, NA., Nor, MJM., and Mustafa, MM., 2007, "*A New Concept of a Linear Smart Actuator*", *Sensor and Actuators*, A 135, 244 – 249, Elsevier.
- Khurmi, R.S., and Gupta, J.K., 1980, "*A Text Book of Machine Design MKS and SI Units*", India.
- Kim, J., and Chang, J., 2007, "*A New Electromagnetic Linear Actuator for Quick Latching*", *Volume 43 No. 4, IEEE Transactions on Magnetics*.
- Kim, YK., Gu, BG., Jung, IS., Won, SH., and Hur, J., 2012, "*Analysis and Design of Slotted Tubular Linear Actuator for the Eco – Pedals System of a Vehicle*", *Volume 48 No. 2, IEEE Transactions on Magnetics*.
- Klar, S., 2014, "*Choosing Stepper or Servo Driven Actuators to Replace Air Cylinders*", *Tolomatic Excellence in Motion*, China.
- Liang, X., Zuo, M.J., and Feng, Z., 2017, "*Dynamic Modeling of Gearbox Faults : A Riview*", *Mechanical Systems and Signal Processing* 98, 852 - 876, Elsevier.
- Lu, H., Zhu, J., Lin, Z., and Guo, Y., 2009, "*An Inchworm Mobile Robot using Electromagnetic Linear Actuator*", *Mechatronics* 19, 1116 - 1125, Elsevier.



- Maghareh, A., Silva, C.E., and Dyke, S.J., 2017, “*Servo-Hidraulic Actuator in Controllable Canonical Form: Identification and Experimental Validation*”, *Mechanical Systems and Signal Processing* 100, 398 - 414, Elsevier.
- Moog Component Group, 2010, “*Actuation and Motion System Product Guide*”, USA.
- Mueller, J., Pocock, T., and Rosenfeld, S., 2017, “*The Basic of the Electric Linear Actuator*”, *Timotion*, America.
- Ondrives Foxwood Industrial Park, 2005, “*Mechanical Drive Components ISO 9001 : 2000*”, England.
- Paramount Bed Indonesia, 2018, “*Produk Rumah Sakit ICU Bed PA-66250DX*”, Jakarta.
- Parker Hannifin Corporation, 2016, “*Pneumatic Actuator Products, Cylinders, Guided Cylinders and Rotary Actuators*”, Richland, Michigan.
- Pratama, M., A., 2017, “*Kendali Posisi Linear Actuator Berbasis PID Menggunakan OP - AMP*”, Program Studi Teknik Mekatronika, Politeknik Negeri Batam, Batam.
- Progressive Automations, 2018, “*PA-14 Mini Linear Actuator*”, United State of America.
- Renjian, H., Junzheng, W., Jiangbo, Z., 2013, “*Adaptive robust control for electric linear actuator using modified LuGre model with fast load-based parameter estimation*”, *IEEE Proceeding of 32nd Chinese Control Conference*, China.
- Rino Industries Ltd., 2005, “*Mechanical Solutions ISO 9001 : 2000*”, DerbyshireEngland.
- Ristadi, F.A., 2015, “*Analisis Gaya Dinamis, Titik Pusat Berat dan Momen Inersia Massa*”, Fakultas Teknik, Universitas Negeri Yogyakarta.
- Rosengren, G., Glikin, I., Hobart, P., Klar, S., Dietrich, A., Klemetson, R., and Cass, D., 2016, “*A Resource on Electric Linear Actuators*”, *Tolomatic Automation Product*, China.
- Scaeffler Technologies AG & Co KG, 2017, “*Deep Groove Ball Bearings FAG Generation C*”, Germany.
- Sularso, and Suga, K., 1994, “*Dasar Perencanaan dan Pemilihan Elemen Mesin*”, Pradnya Paramita, Jakarta.



- Thomson, 2016, "*Thomson Whisper Trak Electric Linear Actuator, Quiet Strong and Compact*", South Korea.
- Thurston, M.O., 2006, "*Electrical and Computer Engineering, A Series of Reference Books and Textbooks*", Department of Electrical Engineering, The Ohio State University Columbus, Ohio.
- Tsubakimoto Chain Co, 2016, "*Tsubaki Timing Belts and Pulley PX/Ultra PX*", Japan.
- Utomo, J., 2016, "*Rancang Bangun Pengendali dan Monitoring Motor DC Menggunakan Komputer Berbasis Mikrokontroler*", Program Studi Teknik Elektro, Fakultas Teknik, Universitas Lampung, Lampung.
- Waguespack, C., 2014, "*Mastering Autodesk Inventor 2015 and Autodesk Inventor LT 2015*", Autodesk Official Press, Canada.
- Yagusandri, A., 2011, "*Rancang Bangun Prototipe Sistem Aktuator Sirip Roket Menggunakan Motor Servo*", Program Studi Teknik Elektro, Universitas Indonesia, Depok.
- Yunus, A.D., 2010, "*Diktat Mekanika Kekuatan Material*", Program Studi Teknik Mesin, Universitas Darma Persada, Jakarta.
- Zainuri, AM., Ansori, and Sujatmiko, A., 2006, "*Perencanaan Rekayasa Permesinan, Teori dan Aplikasi Berbasis Komputer dengan Pendekatan Struktur*", Penerbit Andi, Yogyakarta.