DAFTAR PUSTAKA

Adigutama, Y. (2021). *DESAIN KONTROL ROBOT MANIPULATOR KAPASITAS 1,25 KGF* (Vol. 3, Issue 1). Universitas Negeri Jakarta.

Al Fatah, M. I. (2020). *OPTIMASI DESAIN LENGAN RINGAN ROBOT MANIPULATOR KAPASITAS 1,25 KGF MENGGUNAKAN METODE FINITE ELEMENT. Robot Manipulator*, *Structure*, 161.

Angin, D. P., Siagian, H., Adam, M., Suryanto, E. D., Nababan, M., & Simanungkalit, S. R. (2018). Perancangan Robot Lengan Pemindah Barang Berdasarkan Jarak. *Prosiding Seminar Nasional Inovasi Dan Ilmu Komputer*, 84–87.

Arisandi, A. S., Subur, J., & Suryadhi. (2020). Rancang Bangun Robot Lengan Pemindah Barang 3 DOF Menggunakan Metode Inverse Kinematics Berbasis Android. *Elektrika Borneo*, *6*(2), 35–41. https://doi.org/10.35334/jeb.v6i2.1558

Atmaja, M. I., Hartono, B., & Waluyo, R. (2019). *Perancangan Gripper Pada Lengan Robot Pemindah Bahan Tipe*. *1*(1), 13–18.

Bern, M., & Plassmann, P. (1999). Mesh Generation. In J. . Sack & J. Urutia (Eds.), *Handbook of Computational Geometry* (1st ed., pp. 291–332). Elsevier Science B.V. http://www.sciencedirect.com/science/article/pii/B9780444825377500073%5Cnhttp://www.sciencedirect.com/science/article/pii/B9780444825377500073/pdfft?md5=f28ad54fa593e82f51c638ac7d6e1f3f&pid=3-s2.0-B9780444825377500073-main.pdf

Budynas, R. G., & Nisbett, J. K. (2011). *Shigley's Mechanical Engineering Design* (9th Editio). McGraw-Hill.INC.

Caysar, D. (2014). *PENGATURAN PERGERAKAN ROBOT LENGAN SMART ARM ROBOTIC AX-12A MELALUI PENDEKATAN GEOMETRY BASED KINEMATIC MENGGUNAKAN ARDUINO*. 1–8.

Childs, P. R. N. (2014). Mechanical Design Engineering Handbook. In *Elsevier*. Elsevier Ltd. www.huyett.com

Corke, P. (2017). *Robotics, Vision and Control; Fundamental Algorithms in MATLAB* (B. Siciliano & O. Khatib (eds.); Second Edi). Springer.

https://doi.org/10.1007/978-3-319-54413-7

Dharmawan, A. B., & Lina, L. (2017). Penerapan Metode Denavit-Hartenberg Pada Perhitungan Inverse Kinematics Gerakan Lengan Robot. *Jurnal Muara Sains, Teknologi, Kedokteran Dan Ilmu Kesehatan*, *1*(1), 287–292. https://doi.org/10.24912/jmstkik.v1i1.441

Fahim, A., & Fernandez, M. (1988). Performance Enhancement of Robot Arms Through Active Counterbalancing. *The International Journal of Advanced Manufacturing Technology*, *3*(4), 63–72.

Gumilang, R. L., & Sampurno. (2017). *Perancangan Flexible Fixture dengan Bantuan Software Autodesk Inventor* [Institut Teknologi Surabaya]. http://repository.its.ac.id/46674/1/2114105041-Undergraduate_Thesis.pdf

Hibbeler, R. . (2013). Engineering Mechanics Statics. In *Journal of Chemical Information and Modeling* (13th ed., Vol. 53, Issue 9). Pearson Education, Inc.

Imran, A. I., & Kadir. (2017). *Simulasi Tegangan Von Mises Dan Analisa Safety Factor Gantry Crane Kapasitas 3 Ton*. *8*(2), 1–4. http://ojs.uho.ac.id/index.php/dinamika/article/view/2378

International Federation of Robotics. (2021). Executive Summary World Robotics 2021 Industrial Robots. In *World Robotics Report*.

JIS G 3101, (2015).

Juvinall, R. C., & Marshek, K. M. (2012). *Fundamentals of Machine Component Design* (5th ed.). John Wiley & Sons, Inc.

Khurmi, R. ., & Gupta, J. . (2005). *A Textbook Machine design* (1st multic, Issue I). Eurasia Publishing House (PVT.) LTD. https://doi.org/10.1038/042171a0

Kurebwa, J. G., & Mushiri, T. (2018). Structural Design , Optimization and Analysis of Robotic Arm Via Finite Elements. *Progress in Human Computer Interaction*, *1*(2), 1–9. https://doi.org/10.18063/phci.v1i2.784

Lubis, Z. (2018). *Metode Baru Robot Pengantar Menu Makanan Menggunakan Android dengan Kendali PID Berbasis Mikrokontroler*. *3*(2).

McComb, G. (2011). *Robot Builder's Bonanza* (4th editio). McGraw-Hill.INC.

Mott, R. L., Vavrek, E. M., & Wang, J. (2018). Machine Elements in Mechanical Design 6th Edition. In L. Dimmick (Ed.), *Pearson Education, Inc.* (6th Editio). Pearson Education, Inc.

Muslimin, S. (2018). ANALISIS PULSE MOTOR SERVO SEBAGAI PENGGERAK UTAMA LENGAN ROBOT BERJARI BERBASIS MIKROKONTROLER. In *PROTON* (Vol. 10, Issue 1).

Nikoobin, A., & Moradi, M. (2016). Optimal balancing of the robotic manipulators. In *Dynamic Balancing of Mechanisms and Synthesizing of Parallel Robots*. https://doi.org/10.1007/978-3-319-17683-3_14

Norton, R. L. (2011). *Machine Design: An Integrated Approach (4th Edition)* (M. J. Horton (ed.); 4th ed.). Pearson Education, Inc.

Pratama, A. D. (2017). *Kontroler Lengan Robot Menggunakan Motor Servo dan Motor Stepper dengan Masukan 3 Axis* [Universitas Sanata Dharma]. https://repository.usd.ac.id/9412/2/145114052_full.pdf

PT. Alexindo. (2019). *Alumunium Catalogue*. pt.alexindo.com

Reddy, G. R., & Eranki, V. K. P. (2016). *Design and Structural Analysis of a Robotic Arm*. Blekinge Institute of Technology.

Sadam, A. (2015). *Modul Pelatihan AUTODESK INVENTOR*.

Salafuddin, H. (2016). *DESAIN DAN ANALISIS KEKUATAN PADA RANGKA KENDARAAN JENIS PROTOTYPE SESUAI STANDAR SHELL ECO MARATHON ASIA*. Universitas Negeri Jakarta.

Setyono, B., Mrihrenaningtyas, & Hamid, A. (2016). Perancangan Dan Analisis Kekuatan Frame Sepeda Hibrid "Trisona" Menggunakan Software Autodesk Inventor. *Jurnal IPTEK*, *20*(2), 37. https://doi.org/10.31284/j.iptek.2016.v20i2.43

Shigley, J. E., & Mischke, C. R. (1996). Standard Handbook of Machine Design. In *Practical Plant Failure Analysis* (2nd Editio, p. 50.22). McGraw-Hill.INC. https://doi.org/10.1201/9780429451041-9

Simanjuntak, F., Widyastuti, I., & Gunarko. (2018). PERENCANAAN SISTEM TRANSMISI PENGGERAK MECANUM WHEEL ROBOT TEMPUR KOTA. *TRANSMISI*, *14*(2), 321–334.

Solikhah, S. (2021). *RANCANG BANGUN GRIPPER ROBOT MANIPULATOR 2 DOF KAPASITAS 1,25 KGF*. Universitas Negeri Jakarta.

Sularso, & Suga, K. (2004). *Dasar Perencanaan dan Pemilihan Elemen Mesin* (11th ed.). PT. Pradnya Paramita.

Syam, R. (2011). Rancang Bangun Kursi Roda Elektrik Untuk Kondisi Naik. *Jurnal Mekanikal*, *2*(2), 147–155.

Tamami, M. I. (2020). *Desain Gripper Robot Manipulator dengan Kapasitas Beban 1,25 kgf Menggunakan Finite Element Method*. Universitas Negeri Jakarta.

Younis, W. (2010). *Up and Running With Autodesk Inventor Simulation 2011*. Elsevier Inc.