

DAFTAR PUSTAKA

- A. Georgopoulou, L. Egloff, B. Vanderborght, and F. Clemens, “A Sensorized Soft Pneumatic Actuator Fabricated with Extrusion-Based Additive Manufacturing,” *Actuators*, vol. 10, no. 5, p. 102, May 2021, doi: 10.3390/act10050102.
- A. Hintono, “Ilmu Pengetahuan Telur (Buku Monograf) 2022,” 2022.
- A. Zolfagharian, M. A. P. Mahmud, S. Gharaie, M. Bodaghi, A. Z. Kouzani, and A. Kaynak, “3D/4D-printed bending-type soft pneumatic actuators: fabrication, modelling, and control,” *Virtual Phys Prototyp*, vol. 15, no. 4, pp. 373–402, Oct. 2020, doi: 10.1080/17452759.2020.1795209.
- D. Kim, S. R. Baek, M. S. Kim, C. Y. Park, and I. H. Lee, “Design and manufacturing process of pneumatic *soft gripper* for additive manufacturing,” *Sens Actuators A Phys*, vol. 370, May 2024, doi: 10.1016/j.sna.2024.115218.
- D. Rus and M. T. Tolley, “Design, fabrication and control of soft robots,” *Nature*, vol. 521, no. 7553, pp. 467–475, May 2015, doi: 10.1038/nature14543.
- eSun, 2007. eSun 3D. [Online]
Available at: <http://www.esun3d.net/products/163.html>
[Accessed July 2024].
- G. M. Whitesides, “Soft Robotics,” *Angewandte Chemie International Edition*, vol. 57, no. 16, pp. 4258–4273, Apr. 2018, doi: 10.1002/anie.201800907.
- H. K. Yap, H. Y. Ng, and C.-H. Yeow, “High-Force Soft Printable Pneumatics for Soft Robotic Applications,” *Soft Robot*, vol. 3, no. 3, pp. 144–158, Sep. 2016, doi: 10.1089/soro.2016.0030.
- H. Li, J. Yao, C. Wei, P. Zhou, Y. Xu, and Y. Zhao, “An untethered soft robotic gripper with high payload-to-weight ratio,” *Mech Mach Theory*, vol. 158, Apr. 2021, doi: 10.1016/j.mechmachtheory.2020.104226.
- Herianto, W. Irawan, A. S. Ritonga, and A. Prastowo, “Design and fabrication in the loop of soft pneumatic actuators using fused deposition modelling,” *Sens Actuators A Phys*, vol. 298, Oct. 2019, doi: 10.1016/j.sna.2019.111556.
- Hasidiansah, 2018. Optimasi Parameter Proses Terhadap Akurasi Dimensi Dan Kekasaran Permukaan Objek 3d Berbasis Fused Deposition Modelling (fdm) Material Fleksibel. Yogyakarta, UGM.

- I. I. M. Priya and M. Inzamam, "The design and development of a soft robotic gripper," in *Materials Today: Proceedings*, Elsevier Ltd, Jan. 2022, pp. 2498–2501. doi: 10.1016/j.matpr.2022.09.186.
- Irawan, W., 2018. Analisa Pengaruh Bentuk Geometri Dan Tebal Dinding Pada Aktuator Lunak Yang Dibuat Dengan Proses Cetak 3d. Yogyakarta, UGM.
- J. Shintake, V. Cacucciolo, D. Floreano, and H. Shea, "Soft Robotic Grippers," *Advanced Materials*, vol. 30, no. 29, Jul. 2018, doi: 10.1002/adma.201707035.
- M. E. M. Salem, Q. Wang, and M. H. Xu, "Application of neural network fitting for modeling the pneumatic networks bending soft actuator behavior," *Engineering Research Express*, vol. 4, no. 1, p. 015032, Mar. 2022, doi: 10.1088/2631-8695/ac58e7.
- M. Li, A. Pal, A. Aghakhani, A. Pena-Francesch, and M. Sitti, "Soft actuators for real-world applications," *Nat Rev Mater*, vol. 7, no. 3, pp. 235–249, Nov. 2021, doi: 10.1038/s41578-021-00389-7.
- M. M. , M. S. J. D. ; M. D. N. T. Ariyanto, *2019 6th International Conference on Information Technology, Computer and Electrical Engineering (ICITACEE)*. IEEE, 2019.
- S. Alim Ritonga, "Comparative Analysis of Custom-Designed Soft Pneumatic Actuators for Human Thumb Movement in Post-Stroke Rehabilitation," 2023. [Online]. Available: <http://inotera.poltas.ac.id>
- S. A. Ritonga, Herianto, A. Muzhaffar, and B. M. Adib, "Analysis of design parameters' effect on 3D printed soft pneumatic actuator generated curvature and tip force," *Int J Intell Robot Appl*, vol. 7, no. 4, pp. 752–762, Dec. 2023, doi: 10.1007/s41315-023-00296-w.
- W. Xiao, C. Liu, D. Hu, G. Yang, and X. Han, "Soft robotic surface enhances the grasping adaptability and reliability of pneumatic grippers," *Int J Mech Sci*, vol. 219, Apr. 2022, doi: 10.1016/j.ijmecsci.2022.107094.
- Y. A. AboZaid, M. T. Aboelrayat, I. S. Fahim, and A. G. Radwan, "Soft robotic grippers: A review on technologies, materials, and applications," Jul. 01, 2024, *Elsevier B.V.* doi: 10.1016/j.sna.2024.115380.
- Y. Chen, S. Guo, C. Li, H. Yang, and L. Hao, "Size recognition and adaptive grasping using an integration of actuating and sensing soft pneumatic gripper," *Rob Auton Syst*, vol. 104, pp. 14–24, Jun. 2018, doi: 10.1016/j.robot.2018.02.020.

- Y. Liu, J. Zhang, Y. Lou, B. Zhang, J. Zhou, and J. Chen, “Soft bionic gripper with tactile sensing and slip detection for damage-free grasping of fragile fruits and vegetables,” *Comput Electron Agric*, vol. 220, May 2024, doi: 10.1016/j.compag.2024.108904.
- Y. Zan *et al.*, “Soft Actuators Based on Spin-Crossover Particles Embedded in Thermoplastic Polyurethane,” *Advanced Intelligent Systems*, vol. 5, no. 6, Jun. 2023, doi: 10.1002/aisy.202200432.
- Z. Wang, K. Or, and S. Hirai, “A dual-mode *soft gripper* for food packaging,” *Rob Auton Syst*, vol. 125, Mar. 2020, doi: 10.1016/j.robot.2020.103427.
- Z. Wang, R. Kanegae, and S. Hirai, “Circular Shell Gripper for Handling Food Products,” *Soft Robot*, vol. 8, no. 5, pp. 542–554, Oct. 2021, doi: 10.1089/soro.2019.0140.