

DAFTAR PUSTAKA

- Ariza, R. *et al.* (2021) 'Perancangan *Walking Helper* untuk Penyandang Disabilitas dengan Metode *Brainstorming*', *Talenta Conference Series: Energy and Engineering (EE)*, 4(1). doi: 10.32734/ee.v4i1.1242.
- Baskoro, A. S. *et al.* (2019) 'Effects of tungsten inert gas (TIG) welding parameters on macrostructure, microstructure, and mechanical properties of AA6063-T5 using the controlled intermittent wire feeding method', *International Journal of Advanced Manufacturing Technology*, 105(5–6), pp. 2237–2251. doi: 10.1007/s00170-019-04400-y.
- Bonde, A. *et al.* (2021) 'Design and analysis of walker with sit to stand assistance', *Materials Today: Proceedings*, 47. doi: 10.1016/j.matpr.2021.05.009.
- Budynas & Nisbet, 2006, *Shigley's Mechanical Engineering Design*, Edisi 8, MCGraw-Hill, United States of America.
- Bulea, T. C. & Triolo, R. J. (2012) 'Design and Experimental Evaluation of a Vertical Lift Walker for Sit-to-Stand Transition Assistance', *Journal of Medical Devices, Transactions of the ASME*, 6(1). doi: 10.1115/1.4005786.
- Callister, William D., Jr. & Rethwisch, D. G. (2018) *Materials Science and Engineering: An Introduction*. 10th edn, Wiley Global Education. New York.
- Centers for Disease Control and Prevention (2016) '*Anthropometry Procedures Manual*', *National Health and Nutrition Examination Survey*, Available at: https://wwwn.cdc.gov/nchs/data/nhanes/2015-2016/manuals/2016_Anthropometry_Procedures_Manual.pdf
- Chuan, T. K. *et al.* (2010) 'Anthropometry of the Singaporean and Indonesian populations', *International Journal of Industrial Ergonomics*, 40(6), pp. 757–766. doi: 10.1016/j.ergon.2010.05.001.
- Drillis, R. *et al.* (1989) 'Body Segment Parameters', *Electronics and Communication Engineering Journal*, 1(2), pp. 61–70. doi: 10.1049/ecej:19890011.
- Dobrovolsky, 1968. *Machine Element*. 2 ed. Moscow: Peace Publishers.

- Fellingham, P. J. *et al.* (2020) ‘*Collapsible Upright Wheeled Walker Apparatus*’. United States.
- Ginting, H. *et al.* (2020) ‘Penerapan Metode *Brainstorming* dalam Perancangan Produk Tongkat (*Walker*) Duduk bagi Lansia’, 3(2). doi: 10.32734/ee.v3i2.1079.
- Ginting, R. & Kokman, W. (2022) ‘Perancangan Produk *Walker with Toilet Lift* Menggunakan Metode *Brainstorming* dan *Problem solving*’, *Talenta Conference Series: Energy and Engineering (EE)*, 5(2). doi: 10.32734/ee.v5i2.1637.
- Gunawan *et al.* (2022) ‘Desain dan Simulasi Beban Statis pada Silinder Putar Mesin Pengereng Kotoran Sapi’, *Prosiding Seminar Nasional Penelitian dan Pengabdian Masyarakat*, 7(1), pp. 181–186.
- Haryanto, L. T., 2012. Perancangan Ulang Alat Bantu Jalan (*Walker*) untuk Pasien Pasca *Stroke* Menggunakan Metode *Value Engineering*. *Skripsi*. Universitas Sebelas Maret.
- Hutabarat, Y. (2017) *Dasar-Dasar Pengetahuan Ergonomi*. 1st edn. Malang: Media Nusa Creative.
- Idiar & Yunus, M. (2021) ‘Pengembangan Desain *Walker* Fleksibel Bagi Lansia’, *Jurnal Mesin Nusantara*, 4(1), pp. 1–10. doi: 10.29407/jmn.v4i1.15965.
- Jokowiyono, S. & Mulyadi, S. (2012) ‘Analisa Tegangan Von Mises Pada Alat Bantu Jalan (*Walker*)’, *ROTOR*, 5, pp. 34–41.
- Karlovich, R. J. (2022) ‘*Mobility Assistance Device*’. United States.
- Kulkarni, A. *et al.* (2020) ‘FINITE ELEMENT ANALYSIS OF “A COLLAPSIBLE WALKER”’, *International Research Journal of Engineering and Technology (IRJET)*, 7(7).
- Labuz, J. F. & Zang, A. (2012) ‘Mohr-Coulomb Failure Criterion’, *Rock Mechanics and Rock Engineering*, 45(6), pp. 975–979. doi: 10.1007/s00603-012-0281-7.
- Macleod, D., 1990, 10 Principles of Ergonomics. Available Online at https://www.danmacleod.com/ErgoForYou/10_principles_of_ergonomics.htm

- Mohite, D. D. *et al.* (2021) 'Design and Analysis of Advanced Walker Cum Rollator', *Journal of Engg. Research, ICIPPSD Special Issue*. doi: 10.36909/jer.ICIPPSD.15535.
- Muljati, S. *et al.* (2016) 'Gambaran Median Tinggi Badan Menurut Kelompok Umur Pada Penduduk Indonesia Yang Sehat Berdasarkan Hasil Riskedas 2013', *Jurnal Penelitian Gizi dan Makanan*, 39(2), pp. 137–144. doi: 10.22435/pgm.v39i2.5723.
- Mustikasari, A., Herdiman, L. & Susmartini, S. (2019) 'Perancangan Ulang *Pediatric Walker* untuk Anak-anak dengan *Spastic Diplegic Cerebral palsy* Menggunakan Metode *Universal design*', *Talenta Conference Series: Energy and Engineering (EE)*, 2(3). doi: 10.32734/ee.v2i3.694.
- Nurochim, S. & Rukmana, A. N. (2021) 'Perancangan Produk *Waistbag* dengan Menggunakan Metode *Quality Function Deployment (QFD)*', *Jurnal Riset Teknik Industri*, 1(1), pp. 1–13. doi: 10.29313/jrti.v1i1.91.
- Polastri, M. & Cantagalli, S. (2022) 'Measuring feet length: A psoriatic arthritis case study', *Journal of the International Foot & Ankle Foundation*, 1(12), pp. 3–5. doi: 10.55067/jifaf.v1i12.41.
- Purnomo, H. (2013) *Antropometri dan Aplikasinya*. 1st edn. Yogyakarta: Graha Ilmu.
- Rahman, A. & Hartono, M. 2013, Rekap Data Antropometri Indonesia, Antropometri Indonesia Laboratorium Ergonomi & Perancangan Sistem Kerja Teknik Industri ITS, viewed 17 July 2023,.
- Rahman, S. (2015) 'Aspek Biomolekuler dalam Proses Penyembuhan Fraktur', *Proceding temu ilmiah: Konsep mutakhir tatalaksana Berbagai persoalan medis*, pp. 266–286.
- Roostaei, A. A. & Jahed, H., 2022. Fundamentals of Cyclic Plasticity Models. In: A. A. Roostaei & H. Jahed, eds. *Cyclic Plasticity of Metals*. s.l.:Elsevier, pp. 23-51.
- Sabilla, V. A. & Salsabilla, K. Y. (2017) 'Perancangan Alat Bantu Jalan (*Walker*) untuk Lansia Menggunakan Sistem CAD', *Jurnal Optimasi Sistem Industri*, 5, pp. 2004–2006. Available at:

<http://josi.ft.unand.ac.id/%0Ahttps://osf.io/6c3p8/download>.

- Sackey, S. M. & Ngewana, T. Z. (2022) 'AN IMPROVED MATHEMATICAL REPRESENTATION OF MOHR'S FAILURE CRITERION FOR BRITTLE MATERIALS', *African Journal of Applied Research*, 8(2), pp. 248–263.
- Sanders, M. S. & McCormick, E. J. (1982) *Human Factors in Engineering and Design*. 7th edn. Available at: [https://ftp.idu.ac.id/wp-content/uploads/ebook/ip/BUKU ERGONOMI/BUKU INGGRIS/Human Factor In Engineering And Design.pdf](https://ftp.idu.ac.id/wp-content/uploads/ebook/ip/BUKU%20ERGONOMI/BUKU%20INGGRIS/Human%20Factor%20In%20Engineering%20And%20Design.pdf).
- Santoso *et al.* (2014) 'Perancangan Ulang Kursi Antropometri untuk Memenuhi Standar Pengukuran', *Jurnal Program Studi Teknik Industri (PROFISIENSI)*, 2(1), pp. 81–91. Available at: <https://www.journal.unrika.ac.id/index.php/jurnalprofisiensi/article/view/317>.
- Situmorang, E. S. *et al.* (2022) 'Penggunaan Antibiotik Profilaksis Dalam Bedah Ortopedi', *PREPOTIF: Jurnal Kesehatan Masyarakat*, 6(2), pp. 1293–1300. doi: 10.31004/prepotif.v6i2.4373.
- Su, M. N. & Young, B. (2019) 'Material properties of normal and high strength aluminium alloys at elevated temperatures', *Thin-Walled Structures*, 137(April 2018), pp. 463–471. doi: 10.1016/j.tws.2019.01.012.
- Teko, A. R., 2021. Perancangan Tongkat *Walker* Ergonomis untuk Orang Lanjut Usia dengan Pendekatan Metode *Quality Function Deployment*. *Skripsi*. Universitas Hasanuddin.
- Verbrugge *et al.* (1997) 'The Great Efficacy of Personal and Equipment Assistance in Reducing Disability', *American Journal of Public Health*, 87(3), pp. 384–392. doi: 10.1007/978-3-540-71095-0_8793.
- Widiandoko, F. (2019) Perancangan *walker trainer* untuk anak *Spatial Athetoid Ataxic Cerebral Palsy* menggunakan *Kinect Sensor* sebagai evaluasi dalam metode observasi untuk menilai postur tubuh pada saat berjalan. *Skripsi*. Fakultas Teknik. Universitas Negeri Surakarta Sebelas Maret, Surakarta.
- Widiasih, W. (2016). Penyusunan Konsep untuk Perancangan Produk Pot *Portable*

dengan Pendekatan *Quality Function Deployment (QFD)*. *Seminar Internasional dan Konferensi Nasional IDEC*, 76–85.

Winter, C. C. *et al.* (2010) ‘Walking ability during daily life in patients with osteoarthritis of the knee or the hip and lumbar spinal stenosis: a cross sectional study’, *BMC Musculoskeletal Disorders*, 11(233). doi: 10.1186/1471-2474-11-233.

Yasin, A. M. B. M. *et al.* (2016) ‘Design of an Assistive Walking Device with Special Rehabilitation Capabilities’, *Universal Journal of Mechanical Engineering*, 4(6). doi: 10.13189/ujme.2016.040603.