

## DAFTAR PUSTAKA

- Al-Dahiree, O. S. *et al.* (2022) ‘Design and Shape Optimization of Strain Gauge Load Cell for Axial Force Measurement for Test Benches’, *Sensors*, 22(19), p. 7508.
- Ali, W., Onibala, F. and Bataha, Y. (2017) ‘Perbedaan Anak Usia Remaja Yang Obesitas Dan Tidak Obesitas Terhadap Kualitas Tidur Di Smp Negeri 8 Manado’, *Jurnal Keperawatan UNSRAT*, 5(1), p. 114296.
- Ananda and Kalpana (2022) ‘A Design and Analysis of Op Amp Twin-T Band Reject Notch Filter’, *International Journal of Circuits and Electronics*, 7, pp. 21–27.
- Bera, T. K. (2014) ‘Bioelectrical impedance methods for noninvasive health monitoring: a review’, *Journal of medical engineering*, 2014.
- Charbon, E. (2014) ‘Introduction to time-of-flight imaging’, in *SENSORS, 2014 IEEE*. IEEE, pp. 610–613.
- Fathonah, I. S. and Sarwi, M. S. (2020) *Literasi Zat Gizi Makro Dan Pemecahan Masalahnya*. Deepublish.
- Gao, D. W. (2015) *Energy storage for sustainable microgrid*. Academic Press.
- González Jiménez, E. (2013) ‘Body composition: Assessment and clinical value’, *Endocrinología y Nutrición (English Edition)*, 60(2), pp. 69–75. doi: 10.1016/j.endoen.2012.04.015.
- Hidayanti, R. N., Riyanto, S. and Rahma, A. (2015) ‘Hubungan Pengetahuan Ibu Tentang Infeksi Kecacingan dengan Status Gizi Balita di Wilayah Kerja Puskesmas Gambut Kabupaten Banjar Tahun 2015’, *Jurkessia*, 6(1), pp. 26–31.
- Jalalzadeh, M. and Hajiesmaeili, M. (2017) ‘Bio-Electrical Impedance Analysis in Patients with Critical Illnesses’, *Nephro-Urology Monthly*, 9(1), p. e41514. doi: 10.5812/numonthly.41514.
- Kamble, V. A., Shinde, V. D. and Kittur, J. K. (2020) ‘Overview of Load Cells’, *Journal of Mechanical and Mechanics Engineering*, 6(3), pp. 22–29.
- Kamran, M. (2021) ‘Power electronics for renewable energy systems’, *Renewable Energy Conversion Systems*, p. 53.
- Kristina Norman, Yitshal Berner, Remy Meier, Lubos Sobotka, N. V. (2013) ‘Body Composition’, in *National Assesment and Techniques*. ESPEN LLL.
- Macias, N. *et al.* (2007) ‘Body fat measurement by bioelectrical impedance and air displacement plethysmography: a cross-validation study to design bioelectrical impedance equations in Mexican adults’, 6, pp. 1–7.
- Merchant, R. A. *et al.* (2021) ‘Relationship of Fat Mass Index and Fat Free Mass Index With Body Mass Index and Association With Function, Cognition and Sarcopenia in Pre-Frail Older Adults.’, *Frontiers in endocrinology*, 12, p. 765415. doi: 10.3389/fendo.2021.765415.

- Mukhammad, Y., Santika, A. and Haryuni, S. (2022) 'Analisis Akurasi Modul Amplifier HX711 untuk Timbangan Bayi', (1).
- Muthouwali, A. N., Riyadi, M. A. and Prakoso, T. (2017a) 'Rancang Bangun Alat Pengukur Persentase Lemak Tubuh Dengan Metode Whole Body Measurement Bioelectrical Impedance Analysis (Bia) Empat Elektroda Dengan Saklar Otomatis Berbasis Mikrokontroler Atmega 32', *Transmisi: Jurnal Ilmiah Teknik Elektro*, 19(2), pp. 50–57.
- Muthouwali, A. N., Riyadi, M. A. and Prakoso, T. (2017b) 'Rancang Bangun Alat Pengukur Persentase Lemak Tubuh Dengan Metode Whole Body Measurement Bioelectrical Impedance Analysis (Bia) Empat Elektroda Dengan Saklar Otomatis Berbasis Mikrokontroler ATMEGA 32', *Transmisi: Jurnal Ilmiah Teknik Elektro*, 19(2), pp. 50–57. Available at: <https://ejournal.undip.ac.id/index.php/transmisi/article/view/15389>.
- Mylott, E., Kutschera, E. and Widenhorn, R. (2014) 'Bioelectrical impedance analysis as a laboratory activity: At the interface of physics and the body', *American Journal of Physics*, 82(5), pp. 521–528.
- Nurtsani, A. M. *et al.* (2019) 'Rancang Bangun Bioelectrical Impedance Analysis (BIA) Multifrekuensi berbasis ARM', *TELKA - Telekomunikasi, Elektronika, Komputasi dan Kontrol*, 5(2), pp. 147–155. doi: 10.15575/telka.v5n2.147-155.
- Nuryanto, R. (2015) 'Pengukur Berat dan Tinggi Badan Ideal Berbasis Arduino'.
- Paul, S. *et al.* (2022) *Introduction to Biomedical Instrumentation and Its Applications*. Academic Press.
- Rachmawati, S. and Sulchan, M. (2014) 'Asupan lemak dan kadar high density lipoprotein (hdl) sebagai faktor risiko peningkatan kadar c-reactive protein (crp) pada remaja obesitas dengan sindrom metabolik', *Journal of Nutrition College*, 3(3), pp. 337–345.
- Rahim, H. A., Shair, E. F. and Taib, M. N. (2009) 'A non-invasive approach to predict risk in dengue hemorrhagic fever (DHF) using bioelectrical impedance analysis', in *2009 IEEE International Conference on Signal and Image Processing Applications*, pp. 44–47. doi: 10.1109/ICSIPA.2009.5478694.
- Semiconductor, A. (no date) '24-Bit Analog-to-Digital Converter ( ADC ) for Weigh Scales HX711', 9530(592), pp. 1–9.
- Usman, M. *et al.* (2018) 'Ring Based Wearable Bioelectrical Impedance Analyzer for Body Fat Estimation', in *2018 IEEE International Symposium on Signal Processing and Information Technology (ISSPIT)*, pp. 291–296. doi: 10.1109/ISSPIT.2018.8642675.
- Usman, M., Gupta, A. K. and Xue, W. (2019) 'Analyzing Dry Electrodes for Wearable Bioelectrical Impedance Analyzers', in *2019 IEEE Signal Processing in Medicine and Biology Symposium (SPMB)*, pp. 1–5. doi: 10.1109/SPMB47826.2019.9037863.
- Ward, L. C. and Müller, M. J. (2013) 'Bioelectrical Impedance Analysis', *European Journal of Clinical Nutrition*, 67, pp. S1–S1.
- WHO (2021a) *Fact Sheets: Malnutrition*. Available at: <https://www.who.int/news-room/fact-sheets/detail/malnutrition>.

WHO (2021b) *Global Nutrition Report*. Available at:

<https://globalnutritionreport.org/reports/2021-global-nutrition-report/>.

Yang, C. *et al.* (2021) ‘Non-contact Breathing Rate Detection Based on Time of Flight Sensor Non-contact Breathing Rate Detection Based on Time of Flight Sensor \*’, (November 2021). doi: 10.1109/EMBC46164.2021.9630819.