

DAFTAR PUSTAKA

Abbas, Samer R dkk. 2015. Bioimpedance Can Solve Problems of Fluid Overload. *Journal of Physics*, pp. 234-237.

Adriansyah, Andi dan Oka Hidayatama. 2013. Rancang Bangun Prototipe Elevator Menggunakan Microcontroller Arduino Atmega 328P. *Jurnal Teknologi Elektro*, 4(3), pp. 102.

Ain, Khusnul. 2018. Design and Development of Device to measure Body Fat using Multi-frequency Bio-impedance Method. *Journal of Renal Nutrition*, 25(2), pp. 1-13.

Aldobali, Muhammad dan Ilmiyati Rahmy Jasril. 2022. Rancang Bangun Alat Deteksi Nominal Uang Kertas Penyandang Tuna Netra Berbasis Arduino Uno. *Jurnal Vocational Teknik Elektronika dan Informatika*, 10(1), pp. 30.

Alfaraz, Mahmood dan Kirti Pal. 2021. Bioelectrical Impedance Analysis for Evaluation of Body Composition: A Review. *International Congress of Advanced Technology and Engineering*, pp. 1-2.

Aldobali, Mahmood dkk. 2021. Applications of Bioelectrical Impedance Analysis in Diagnosis of Diseases: A Systematic Review. *Journal of Clinical and Diagnostic Research*, 15(7), pp. 1-2.

Annas, Muhamad Azwar. (2017). *Studi Electro-Mechano-Acoustic untuk Mengetahui Karakteristik Loudspeaker Woofer*. (Skripsi Sarjana, Institut Teknologi Sepuluh Nopember). <https://repository.its.ac.id>.

Anusitiviwat, Chirahit dkk. 2023. Dual-Frequency Bioelectrical Impedance Analysis is Accurate and Reliable to Determine Lean Muscle Mass in The Elderly. *Journal of Clinical Densitometry: Assessment & Management of Musculoskeletal Health*, 26(1), pp. 90-96.

Buch, Assaf dkk. 2022. Validation of a multi-frequency bioelectrical impedance analysis device for the assessment of body composition in

- older adults with type 2 diabetes. *Jurnal Nature*, 12(45), pp. 1-2.
- Cimmino, Fabiano dkk. 2023. A Bioelectrical Impedance Analysis in Adult Subjects: The Relationship between Phase Angle and Body Cell Mass. *Jurnal of Functional Morphology and Kinesiology*, 8(107), pp. 1-3.
- Dubiel, Anna. 2019. Bioelectrical impedance analysis in medicine. *World Scientific News: An International Scientific Journal*, pp. 128-135.
- Fajarindah, Erche Berliana. (2018). *Sistem Monitoring Suhu dan Jumlah Gelas Pada Mesin Produksi Teh Tawar Kemasan Berbasis Mikrokontroler Atmega32*. (Skripsi Sarjana, Institut Teknologi Sepuluh Nopember). <https://repository.its.ac.id>
- Fatimah dkk. 2017. Hubungan Pengukuran Lemak Subutan dengan Indeks Masa Tubuh pada Laki-laki Usia Lanjut. *Journal Nutrition and Food Research*, 40(1), pp. 29-34.
- Garcia, Allison dan Ahmet C. Sabuncu. 2019. Electrical System for Bioelectric Impedance using AD5933 Impedance Converter. *Journal of Undergraduated Research*, 2(3), pp. 2.
- Hartati, E. 2022. Sistem Informasi Transaksi Gudang Berbasis Website Pada CV. Asyura. *Jurnal Ilmu Komputer*, 3(1), pp. 16.
- Hidayat, Akik dan Dede Supriadi. 2019. Tongkat Tunanetra Pintar Menggunakan Arduino. *Journal Teknik Informatika*, 7(1), pp. 3.
- Hsieh, Kuen-Chng dkk. 2011. The Validity and Accuracy in Foot-toFoot Bioelectrical Impedance Analysis Measuring Models Referenced by Dual-Energy X-Ray Absorptiometry in Body Compositistion in Standing Position. *Journal Nutrition Research*, 35(11), pp. 982-989.
- Huang, Ai-Chun dkk. 2015. Cross-Mode Bioelectrical Impedance Analysis in a Standing Position for Estimating Fat-Free Mass Validated Against Dual-Energy X-ray Absorptiometry. *Journal of Biotechnology*, 10(16), pp. 3224.

Indrayati, Monica Putri dkk. 2019. Sistem Pengendali Traffic, Beban, dan Peringatan Dini Pada Jembatan Dengan Pemantau Berbasis Android. *Seminar Nasional Hasil Riset*, pp. 263.

Kurniawan, Dendy. 2018. Rancang Bangun Alat Musik Piano, Harpa, Marching Bell Digital Berbasis Arduino Menggunakan Cahaya Laser dan LDR (Studi Kasus: SMP NU 07 Brangsung). *Journal Elektronika dan Komputer*, 8(5), pp. 3.

Kyle, Ursula G dkk. 2004. Bioelectrical Impedance Analysis F Part I: Review of Principles and Methods. *Clin. Nutr.*, pp. 1226–1243.

Lu, Hsueh-Kuan dkk. 2016. Hand to Hand Model for Bioelectrical Impedance Analysis to Estimate Fat Free Mass in a Healthy Population. *Journal Nutrients*, 8, pp. 4

Lubis, Zulkarnain dkk. 2019. Kontrol Mesin Air Otomatis Berbasis Arduino dengan Smartphone. *Journal Buletin Utama*, 14(3), pp. 156.

Long, Viseth dkk. 2019. Testing Bioimpedance to Estimate Body Fat Percentage Across Different Hip and Waist Circumferences. *Journal of Sports Medicine*, pp. 2-3.

Medina-Remón, A dkk. 2018. Dietary patterns and the risk of obesity, type 2 diabetes mellitus, cardiovascular diseases, asthma, and neurodegenerative disease. *Critical reviews in food science and nutrition*, 58(2), pp. 262-296.

Muflihana Afdila dkk. 2019. Rancang Bangun Timbangan Digital Dengan Keluaran Berat Berbasis Arduino Uno Pada Automatic Machine Measurement Mass and Dimension. *Journal Online Mahasiswa*, 6(1), pp. 3.

Morel, H dan M.Y Jaffrin. 2008. A Bridge from Bioimpedace Spectroscopy to 50 kHz Bioimpedance Analysis: Application to Total Body Water Measurements. *Journal Transmisi*, 29, pp. 2-13.

Muthouwali, Achmad Ngaqib dkk. 2017. Rancang Bangun Alat Pengukur Presentase Lemak Tubuh Dengan Metode *Whole Body Measurement Bioelectrical Impedance Analysis (BIA)* Empat Elketroda Dengan Saklar Otomatis Berbasis Mikrokontroler Atmega 32. *Journal Transmisi*, 19(2), pp. 51-57.

Mylott, Elliot dkk. 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.

Nugraha, Adhi dkk. 2016. Rancang Bangun Alat Pengukur Persentase Lemak Tubuh Dengan Metode Whole Body Measurement Bioelectrical Impedance Analysis (BIA) Empat Elektroda Berbasis Mikrokontroler Atmega 32. *Journal Transient*, 5(2), pp. 158-165.

Nurbaya, Siti dkk. 2019. Correlation of Body Mass Index and Bioelectrical Impedance Analysis of Total Body Fat with Serum Lipid Profile. *Journal UI*, 7(3), pp. 206-207.

Nurtsani, Afin M dkk. 2019. Rancang Bangun Bioelectrical Impedance Analysis (BIA) Multifrekuensi Berbasis ARM. *Jurnal Telekomunikasi, Elektronika, Komputasi, dan Kontrol*, 5(2), pp. 147-154.

Nordbotten, Bernt J. (2008). *Bioimpedance Measurements Using the Integrated Circuit AD5933*. Norway: University of Oslo.

Palit, Randi V., dkk. 2015. Rancang Sistem Informasi Keuangan Gereja Berbasis Web di Jemaat GMIM Bukit Moria Malalayang. *E-Journal Teknik Elektro dan Komputer*, 4(7), pp. 2.

Pangaribuan, Timbang dkk. 2020. Sistem Monitoring Jarak Jauh Kondisi Rumah Tinggal Berbasis Arduino. *Journal ELPOTECS*, 3(2), pp. 43.

Perkovic, Ljubomir 2012. Introduction to Computing Using Python: An Application Development Focus.

Pullicino, E dkk. 1992. The Potential Use of Dual Frequency Bioimpedance

in Predicting the Distribution of Total Body Water in Health and Disease. *Journal Clinical Nutrition*, 11, pp. 69-72.

Rachmatillah, Alifia Putri. (2024). *Perancangan Prototipe Bioelectrical Impedance Analysis (BIA) Berbasis Arduino Mega 2560 Untuk Persentase Lemak Tubuh*. (Skripsi Sarjana, Universitas Negeri Jakarta).

Rahman, Ainun Djalila Nur. (2020). *Gambaran Persentase Lemak Tubuh Pada Mahasiswa Fakultas Kependidikan di Universitas Hasanuddin*. (Skripsi Sarjana, Universitas Hasanuddin).

Riska, dkk. 2021. Rancang Bangun Alat Pembukaan Pintu Berdasarkan Suhu Tubuh Berbasis Mikrokontroler. *Jurnal TEKTRO*, 5(2), pp. 127.

Riyadi, Munawar A dkk. 2017. Design of Automatic Switching Bio-Impedance Analysis (BIA) for Body Fat Measurement. *Proc. EECI*, pp. 19-21.

Romzi, Muhammad dan Budi Kurniawan. 2020. Pembelajaran Pemrograman Python Dengan Pendekatan Logika Algoritma. *Jurnal Teknik Informatika Mahakarya*, 3(2), pp. 37.

Ryu, B dkk. 2010. Bioelectrical Impedance Analysis by Multiple Frequencies for Health Care Refrigerator. *PIERS ONLINE*, 6(7), pp. 640–645.

Salamah, Ummy Gusti. 2021. Tutorial Visual Studio Code. Bandung: Penetbit Media Sains Indonesia.

Septiyanti dan Seniwati. 2020. Obesitas dan Obesitas Sentral pada Masyarakat Usia Dewasa di Daerah Perkotaan Indonesia. *Jurnal Ilmiah Kesehatan*, 2(3), pp. 119.

Setiakarnawijaya, Yasep dkk. 2021. Body Composition Through Bioelectrical Impedance Analysis: Development of Body Score Predictive Equation Among Rural Society. *Jurnal of Engineering Science and Technology*, 16(5), pp. 4101.

Subagi Martha, I Made. (2018). Sel Struktur, Fungsi, dan Regulasi. Bali: Universitas Udayana.

Sulistyo, Eko dkk. 2023. Rancang Bangun Alat Ukur Lemak Tubuh Menggunakan Metode *Bioelectrical Impedance Analysis*. *Jurnal Inovasi Teknologi Terapan*, 1(2), pp. 270-271.

Syah, Danang S. H dkk. 2015. Rancang Bangun Alat Pengukur Presentase Lemak Tubuh Dengan Bioelectrical Impedance Analysis (BIA) 2 Elektroda Berbasis Arduino Atmega 2560. *Jurnal Transient*, 4(3), pp. 494-498.

Wang, Li dkk. 2020. A hybrid Genetic Algorithm and Levenberg–Marquardt (GA–LM) method for cell suspension measurement with electrical impedance spectroscopy. *Review of Scientific Instruments*, pp. 3.

Wardhana, Luqman Risky. (2022). *Rancang Bangun Alat Penerima dan Sterilisasi Barang Dengan Notifikasi Berupa Foto Pengirim Melalui Telegram*. (Skripsi Sarjana, Universitas Dinamika). <https://repository.dinamika.ac.id/id/eprint/6623>.

Widiantini, Winne dan Zarfiel Tafal. 2014. Aktivitas Fisik, Stres, dan Obesitas pada Pegawai Negeri Sipil. *Jurnal Kesehatan Masyarakat Nasional*, 8 (7), pp. 330-336.

Wijaya, Indra Dharma dkk. 2017. Implementasi Raspberry Pi untuk Rancang Bangun Sistem Keamanan Pintu Ruang Server Dengan Pengenalan Wajah Menggunakan Metode *Triangle Face*. *Jurnal Informatika Polinema*, 4(1), pp. 10.

Wiranata, Yonathan dan Inayatul Inayah. 2020. Perbandingan Penghitungan Massa Tubuh Dengan Menggunakan Metode Indeks Massa Tubuh (IMT) dan Bioelectrical Impedance Analysis (BIA). *Jurnal Manajemen Kesehatan Yayasan RS.Dr.Soetomo*, 6(1), pp. 44-46.