

DAFTAR PUSTAKA

- [1] P. Purnamasari, "Pembuatan alat ukur kadar gula berbasis kapasitansi dengan menggunakan arduino uno," Universitas Jember, 2017.
- [2] R. Chang, *Kimia Dasar Jilid 2: Konsep-konsep inti*, 3rd ed. Jakarta, 2003.
- [3] L. A. Didik, "Pengukuran konstanta dielektrik untuk mengetahui konsentrasi larutan gula dengan menggunakan metode plat sejajar," *J. Pendidik. Fis.*, vol. 8, no. 2, pp. 127–132, 2020.
- [4] Misto, T. Mulyono, and Alex, "Sistem pengukuran kadar gula dalam cairan menggunakan sensor fotodiode terkomputerisasi," *J. ILMU DASAR*, vol. 17, no. 1, pp. 13–18, 2016.
- [5] C. Deffendol and C. Furse, "Microstrip antennas for dielectric property measurement," *IEEE Access*, vol. 3, pp. 1954–1956, 1999.
- [6] C. A. Balanis, *Antenna Theory Analysis and Design*, 4th ed. New Jersey: United States of America, John Wiley & Sons, 2005.
- [7] Z. Liu, K. Chen, Z. Li, and X. Jiang, "Crack monitoring method for an FRP-strengthened steel structure based on an antenna sensor," *Sensors (Switzerland)*, vol. 17, no. 10, pp. 1–17, 2017.
- [8] Samsuzzaman, M. T. Islam, N. Rahman, and M. S. J. Singh, "Detection of salt and sugar contents in water on the basis of dielectric properties using microstrip antenna-based sensor," *IEEE Access*, vol. 6, pp. 4118–4126, 2018.
- [9] Ramesh Garg; Prakash Bhartia; Inder Bahl, *Microstrip Antenna Design Handbook*. London: Artech House Inc, London, 2001.
- [10] T. A. Milligan, *Modern Antenna Design*, 2nd ed. Amerika: Wiley–Interscience, 2005.
- [11] P. S. Nakar, "Design Of a Compact Microstrip Patch Antenna For Use In Wireless/Cellular Devices," Florida State University, 2004.
- [12] R. Sinaga and A. H. Rambe, "Analisis Perbandingan Antara Saluran Pencatu Feed Line Dan Proximity Coupled Untuk Antena Mikrostrip Pacht Segiempat," *Singuda Ensikom*, vol. 6, no. 3, pp. 135–140, 2014.
- [13] B. E. Cahyono, Misto, and H. N. Arivah, "Analisa Kualitas Semen Melalui Pengukuran Konstanta Dielektrik Dan Resistivitas," *J. Rekayasa Energi Manufaktur*, vol. 2, no. 2, p. 57, 2017.
- [14] D. . Tobing, *Fisika Dasar 1*, vol. 1. Jakarta: Gramedia Pustaka Utama, 1996.
- [15] Ansoft Corporation, *User's guide – High Frequency Structure Simulator*, 1st ed. Pittsburgh: Ansoft Corporation, 2005.