

DAFTAR PUSTAKA

- [1] A. et Al, "World Journal of Pharmaceutical research FORMULATION," *SJIF J.*, vol. 2, no. 5, pp. 1685–1703, 2021, doi: 10.20959/wjpr20192-14176.
- [2] V. Jitendra Murthy, N. Sai Kiranmai, and S. Kumar, "Study of dielectric properties of adulterated milk concentration and freshness," *IOP Conf. Ser. Mater. Sci. Eng.*, vol. 225, no. 1, 2017, doi: 10.1088/1757-899X/225/1/012285.
- [3] S. U. Nafisah *et al.*, "Perancangan dan Analisis Antena Mikrostrip untuk Mendeteksi Glukosa Dalam Sebuah Produk," vol. 8, no. 6, pp. 3433–3438, 2022.
- [4] M. Adna Ridhani and N. Aini, "Potensi Penambahan Berbagai Jenis Gula Terhadap Sifat Sensori Dan Fisikokimia Roti Manis: Review," *Pas. Food Technol. J.*, vol. 8, no. 3, pp. 61–68, 2021, doi: 10.23969/pftj.v8i3.4106.
- [5] S. Irwan Kurniawan, "Diktat Sensor dan Transduser Irwan Kurniawan , ST POLITEKNIK JAMBI Sensor dan Transduser".
- [6] A. Mukhtar, R. Hermana, A. Burhanudin, and Y. Setyoadi, "Sensor Dan Aktuator: Konsep Dasar Dan Aplikasi," *Cv Widina Media Utama*, p. 1, 2023.
- [7] 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, no. c, pp. 4118–4126, 2018, doi: 10.1109/ACCESS.2017.2787689.
- [8] H. Attamami and M. Fauzan, "Perancangan Menentukan Lokasi Kebakaran Dengan Fire Alarm Sistem Berbasis Arduino," *Infotronik J. Teknol. Inf. dan Elektron.*, vol. 7, no. 1, p. 42, 2022, doi: 10.32897/infotronik.2022.7.1.1433.
- [9] H. E. Haryono, *Big Book Kimia Dasar*. 2019.
- [10] S. Karim, "Teknik Sensor dan Aktuator," *Kementeri. Pendidik. dan Kebud. Republik Indones.*, pp. 5–48, 2013.
- [11] L. M. A. Putri, T. Prihandono, and B. Supriadi, "Air adalah suatu zat kimia yang penting bagi semua bentuk kehidupan yang diketahui sampai saat ini di bumi ," *J. Pembelajaran Fis.*, vol. 6, no. 2, pp. 147–153, 2017.
- [12] M. . Dr. Muhammad Yusro and M. E. Dr. Aodah Diamah, *Sensor dan Transduser Teori dan Aplikasi*. 2019.
- [13] R. Bansal, *Antenna theory; analysis and design*, vol. 72, no. 7. 2008. doi: 10.1109/proc.1984.12959.
- [14] M. El Gharbi, M. Martinez-Estrada, R. Fernández-García, and I. Gil, "Determination of salinity and sugar concentration by means of a circular-ring monopole textile antenna-based sensor," *IEEE Sens. J.*, vol. 21, no. 21, pp. 23751–

23760, 2021, doi: 10.1109/JSEN.2021.3112777.

- [15] I. Ismail and K. Budayawan, "Rancang Bangun Alat Ukur Kadar Larutan Gula Menggunakan Radiasi Gelombang Mikro," *Voteteknika (Vocational Tek. Elektron. dan Inform.*, vol. 10, no. 1, p. 20, 2022, doi: 10.24036/voteteknika.v10i1.116436.
- [16] C. Daniel and - Triyanti, "Faktor Dominan yang Berhubungan dengan Konsumsi Gula pada Mahasiswa Nonkesehatan," *J. Gizi*, vol. 12, no. 2, p. 93, 2023, doi: 10.26714/jg.12.2.2023.93-106.
- [17] R. Priantama, "Efektivitas WiFi dalam Menunjang Proses Pendidikan Bagi lembaga Perguruan Tinggi (Studi Kasus Terhadap Mahasiswa Pengguna Di Lingkungan Universitas Kuningan)," *J. Cloud Inf.*, vol. 1, no. 1, pp. 22–28, 2017.
- [18] Z. Muttaqin and E. Srihartini, "Penerapan Metode Regresi Linear Sederhana dalam Prediksi Persediaan Obat Jenis Tablet," *Sist. Inf. |*, vol. 9, no. 1, pp. 12–16, 2022.
- [19] P. Parnasari, M. Nurhanisa, and B. S. Nugroho, "Studi Kapasitansi dan Konstanta Dielektrik Pada Karbon Aktif Tandan Kosong Kelapa Sawit," *Prism. Fis.*, vol. 10, no. 1, p. 98, 2022, doi: 10.26418/pf.v10i1.54333.
- [20] N. Julardi and A. H. Rambe, "Rancang Bangun Antena Mikrostrip Patch Circular (2 , 45 Ghz) Dengan Teknik Planar Array Sebagai Penguat Sinyal Wi-Fi," *Singuda Ensikom*, vol. VOL. 1, pp. 59–64, 2013.
- [21] Y. Liang *et al.*, "An LC wireless microfluidic sensor based on low temperature co-fired ceramic (LTCC) technology," *Sensors (Switzerland)*, vol. 19, no. 5, 2019, doi: 10.3390/s19051189.
- [22] A. E. Omer *et al.*, "Multiple-Cell Microfluidic Dielectric Resonator for Liquid Sensing Applications," *IEEE Sens. J.*, vol. 21, no. 5, pp. 6094–6104, 2021, doi: 10.1109/jsen.2020.3041700.
- [23] Yusantono, "Analisis dan Perbandingan Jaringan WiFi dengan frekuensi 2.4 GHz dan 5 GHz dengan Metode QoS," *J. Inf. Syst. Technol.*, vol. 05, no. 05, pp. 34–52, 2020.
- [24] G. Ce, "Regresi Linear Berganda Tutorial SPSS Lengkap," *Skripsi Bisa*, vol. 01, p. 5, 2019.
- [25] M. Nu'man, "Properties of AdeABC and AdeIJK efflux systems of *Acinetobacter baumannii* compared with those of the AcrAB-TolC system of *Escherichia coli*," *Aleph*, vol. 87, no. 1,2, pp. 149–200, 2023, [Online]. Available: <https://repositorio.ufsc.br/xmlui/bitstream/handle/123456789/167638/341506.pdf?sequence=1&isAllowed=y%0Ahttps://repositorio.ufsm.br/bitstream/handle/1/8314/LOEBLEIN%2C%20LUCINEIA%20CARLA.pdf?sequence=1&isAllowed=y%0Ahttps://antigo.mdr.gov.br/saneamento/proces>
- [26] Q. Liu, J. Wang, and W. Wu, "Design of Balanced-to-Balanced Filtering Power Divider with Arbitrary Power Division Ratio Based on Circular Patch Resonator," *IET Microwaves, Antennas & Propagation*, vol. 14, 2020, doi: 10.1049/iet-

map.2019.0554.

- [27] Hariyadi, T., Rodiah, N., and Pantjawati, A.B., "The Effect of Split Ring Resonator (SRR) Metamaterials on the Bandwidth of Circular Microstrip Patch Antennas," *Journal of Physics: Conference Series*, vol. 1387, no. 1, p. 012095, Nov. 2019, doi: 10.1088/1742-6596/1387/1/012095
- [28] **Antesky**, "Principle & Design of Parabolic Antenna—Prime Focus Antenna," Antesky, 2019. [Online]. Tersedia: <https://www.antesky.com/principledesign-of-parabolic-antenna-prime-focus-antenna/>
- [29] A. Nahian, *Design and Performance Analysis of U-Slot, Y-Slot and U-Y Slot Microstrip Patch Antenna for Wireless Applications*, thesis, 2016
- [30] T. Qin, "Measurement and Application of VNA," *Highlights in Science, Engineering and Technology*, Dec. 2022, doi: 10.54097/hset.v27i.3828.
- M. Yusro dan A. Diamah, *Sensor dan Transduser (Teori dan Aplikasi)*. Jakarta: Universitas Negeri Jakarta, 2019.
- [32] H. Amar, H. Ghodbane, M. Amir, M. A. Zidane, C. Hamouda, and A. Rouane, "Microstrip sensor for product quality monitoring," *Journal of Computational Electronics*, Sep. 2020, doi: 10.1007/S10825-020-01517-2.
- [33] V. E. S. Silva, D. D. Costa, F. S. M. Sinfrônio, and A. K. Barros, "Application of Dielectric Constant for Identification of Dilution in Raw Milk," Jan. 2021, doi: 10.18178/JOAAT.8.1.25-29.
- [34] V. J. Murthy, N. S. Kiranmai, dan S. Kumar, "Study of dielectric properties of adulterated milk concentration and freshness," *IOP Conf. Ser.: Mater. Sci. Eng.*, vol. 225, p. 012285, 2017, doi: 10.1088/1757-899X/225/1/012285.
- [35] A. Giurgiuman *et al.*, "The Analysis, Modelling and Comparison between Circular and Rectangular Patch Antennas," in *International Conference and Exposition on Electrical and Power Engineering*, Oct. 2020. doi: 10.1109/EPE50722.2020.9305549.
- [36] U. Chasanah, "Pola Radiasi Antena Patch dalam Skala Linier," Oct. 2022, doi: 10.58578/yasin.v2i5.895.
- [37] J. Hu and T.-L. Ren, "Study on Quality Factor of the Ring Electrode QCM Resonator," in *2022 Joint Conference of the European Frequency and Time Forum and IEEE International Frequency Control Symposium (EFTF/IFCS)*, Apr. 2022. doi: 10.1109/eftf/ifcs54560.2022.9850869.

- [38] C. L. Sánchez, L. Franco, P. Regal, A. Lamas, A. Cepeda, and C. A. Fente, “Breast Milk: A Source of Functional Compounds with Potential Application in Nutrition and Therapy.,” *Nutrients*, Mar. 2021, doi: 10.3390/NU13031026.
- [39] “Chemistry of Milk and Milk Products,” 2022. doi: 10.1007/978-981-19-4796-4_13.

