

DAFTAR PUSTAKA

- Aldhaeebi, M. A., Alzoubi, K., Almoneef, T. S., Bamatraf, S. M., Attia, H., & Ramahi, O. M. (2020). *Review Teknik Gelombang Mikro untuk Deteksi*. <https://doi.org/10.3390/s20082390>
- Ardelina, N. (2016). *UNTUK APLIKASI GROUND PENETRATING RADAR ULTRA WIDEBAND (GPR-UWB) DESIGN OF VIVALDI ARRAY ANTENNA FOR GROUND PENETRATING RADAR ULTRA*.
- Capozzoli, A., Curcio, C., & Agostino, F. D. (2024). *A Review of the Antenna Field Regions*.
- D, A. J. (2023). BREAST CANCER DETECTION USING PATCH ANTENNA. *2023 2nd International Conference on Advancements in Electrical, Electronics, Communication, Computing and Automation (ICAECA)*, 1–6. <https://doi.org/10.1109/ICAECA56562.2023.10200909>
- Aldhaeebi, M. A., Alzoubi, K., Almoneef, T. S., Bamatraf, S. M., Attia, H., & Ramahi, O. M. (2020). Review of microwaves techniques for breast cancer detection. *Sensors*, 20(8), 2390. <https://doi.org/10.3390/s20082390>
- Sattar, Z. A. (2012). *Experimental analysis on effectiveness of confocal algorithm for radar based breast cancer detection* [Master's thesis, University of Durham]. School of Engineering, University of Durham.
- Wibowo, R. P. (2017). *Perancangan dan pembuatan antena array dengan beamwidth $\leq 5^\circ$ pada frekuensi S-band dengan menggunakan elemen microstrip bow-tie* (Undergraduate thesis). Institut Teknologi Sepuluh Nopember.
- Fear, E. C., Li, X., Hagness, S. C., & Stuchly, M. A. (2002). Confocal microwave imaging for breast cancer detection: localization of tumors in three dimensions. *IEEE Transactions on Bio-Medical Engineering*,

49(8), 812–822. <https://doi.org/10.1109/TBME.2002.800759>

Hammouch, N., Rghioui, A., Ammor, H., Oubrek, M., & Lloret, J. (2024). A low - cost UWB microwave imaging system for early - stage breast cancer detection. In *Multimedia Tools and Applications* (Issue 0123456789). Springer US. <https://doi.org/10.1007/s11042-024-19761-0>

Herda, D. L., Aulia, S., & Yudithia, A. (2023). *Perancangan Antena Vivaldi Antipodal 2 - 18 GHz untuk Radio Direction Finder*. 4(April), 166–172.

Hope, T. A., & Iles, S. E. (2004). *Technology review: The use of electrical impedance scanning in the detection of breast cancer*. 69–74. <https://doi.org/10.1186/bcr744>

Ikbar, N., Wijanto, H., Nur, L. O., Feed, I., & Patch, S. (2024). *Realisasi Antena Mikrostrip Untuk Mendeteksi Tumor Payudara*. 11(2), 1269–1274.

Rasyidin, N. (2016). *Rancang bangun antena microstrip array untuk sistem radar berbasis software defined radio* (Tugas Akhir, Jurusan Teknik Elektro, Fakultas Teknologi Industri, Institut Teknologi Sepuluh Nopember, Surabaya).

Islam, M. T., Mahmud, M. Z., Islam, M. T., Kibria, S., & Samsuzzaman, M. (2019). *OPEN A Low Cost and Portable Microwave Imaging System for Breast Tumor Detection Using UWB Directional Antenna array*. 1–13. <https://doi.org/10.1038/s41598-019-51620-z>

Khalil, M. H., Shahzad, W., & Xu, J. D. (2012). In The Medical Field Detection of Breast Cancer by Microwave Imaging is a Robust Tool. *25th International Vacuum Nanoelectronics Conference*, 1–2. <https://doi.org/10.1109/IVNC.2012.6316913>

- Konduri, S., Singh, M., Bobustuc, G., Rovin, R., & Kassam, A. (2020). Epidemiology of male breast cancer. *The Breast*, 54, 8–14. <https://doi.org/10.1016/j.breast.2020.08.010>
- Mahavidyalaya, G., Bengal, W., Mahavidyalaya, G., & Bengal, W. (2021). *Introduction to Breast Cancer and Awareness*. 227–232.
- Mhz, F., Rahmatia, S., Wulandari, P., Khadiko, N., Sulistya, F. G., Studi, P., Elektro, T., Sains, F., Al, U., Indonesia, A., Masjid, K., Al, A., Kebayoran, A., & Selatan, J. (2016). *Perbandingan Desain Antena Dipole dan Yagi-Uda Menggunakan Material Aluminium pada Frekuensi 470 – 890 MHz*. 3, 140–143.
- Miklavcic, D., & Pavselj, N. (2018). *Electric Properties of Tissues*. January. <https://doi.org/10.1002/9780471740360.ebs0403>
- Misilmani, H. M. E. L., Naous, T., & Member, S. (2020). *A Survey on Antenna Designs for Breast Cancer Detection Using Microwave Imaging*. 8. <https://doi.org/10.1109/ACCESS.2020.2999053>
- Porter, E., Santorelli, A., Coates, M., & Popovic, M. (2013). Time-domain microwave breast cancer detection: extensive system testing with phantoms. *Technology in Cancer Research & Treatment*, 12(2), 131–143. <https://doi.org/10.7785/tcrt.2012.500307>
- Saputra, M. A., Wijanto, H., & Wahyu, Y. (2018). *ANTENA VIVALDI ANTIPODAL SIRKULAR ULTRA WIDE-BAND (UWB) UNTUK RADAR TEMBUS TEMBOK*. 1–10.
- Prakasam, V., Meghana, R., Sravani, A., Karishma, S. K., Divya, B., & Chandu, N. (2021). Tumor detection in skin using electromagnetic band gap structure antenna. *International Research Journal of Engineering and Technology (IRJET)*, 08(08). <https://www.irjet.net>

Wang, L. (2023). *mesin mikro Teknik Pencitraan dan Penginderaan Gelombang Mikro untuk Deteksi Kanker Payudara.*

Wang, Z., Lim, E. G., Tang, Y., & Leach, M. (2014). *Artikel Penelitian Aplikasi Medis dari Pencitraan Gelombang Mikro.* 2014.
<https://doi.org/10.1155/2014/147016>

Zerrad, F., El, M. T., Makroum, M., Fatih, S. A., Karaaslan, M., & Mousa, D. A. N. (2022). *Phantom Payudara Simetris dan Asimetris Dengan Struktur Anatomi Cetak 3D untuk Pencitraan Gelombang Mikro pada Kanker Payudara.* September.
<https://doi.org/10.1109/ACCESS.2022.3205004>

