

DAFTAR PUSTAKA

- [1] X. Zhong, Y. Sun, C. Kang, and G. Wan, “The theory of dielectrophoresis and its applications on medical and materials research,” *Eur. J. Biomed. Res.*, vol. 2, no. 4, p. 7, 2017, doi: 10.18088/ejbm.2.4.2016.pp7-11.
- [2] N. A. Rahman, F. Ibrahim, and B. Yafouz, “Dielectrophoresis for biomedical sciences applications: A review,” *Sensors (Switzerland)*, vol. 17, no. 3, pp. 1–27, 2017, doi: 10.3390/s17030449.
- [3] B. H. Lapizco-Encinas and M. Rito-Palomares, “Dielectrophoresis for the manipulation of nanobioparticles,” *Electrophoresis*, vol. 28, no. 24, pp. 4521–4538, 2007, doi: 10.1002/elps.200700303.
- [4] H. Morgan and N. Green, “Encyclopedia of Microfluidics and Nanofluidics,” *Encycl. Microfluid. Nanofluidics*, pp. 1–11, 2013, doi: 10.1007/978-3-642-27758-0.
- [5] L. R. Bornhoeft *et al.*, “Teslaphoresis of Carbon Nanotubes,” *ACS Nano*, vol. 10, no. 4, pp. 4873–4881, 2016, doi: 10.1021/acsnano.6b02313.
- [6] M. Pitkänen, “Teslaphoresis and TGD,” pp. 1–6, 2016, [Online]. Available: http://tgdtheory.fi/public_html/articles/teslaphoresis.pdf.
- [7] M. Syukri, “Analisis Besaran Frekuensi Terhadap Daya Listrik Pada Rangkaian Transmisi Listrik Nirkabel,” *J. Karya Ilm. Tek. Elektro*, vol. 3, no. 4, pp. 7–18, 2019.
- [8] El-Aragi GM, “Construction and Optimization of Tesla Coil,” *J Phys Astron*, vol. 5, no. 3, p. 123, 2017, [Online]. Available: www.tsijournals.com.
- [9] P. Manchanda, “DC TESLA COIL Construction And Applications,” *Int. J. Res. Appl. Sci. Eng. Technol.*, vol. 4, no. November, 2016.
- [10] M. Hakoda and N. Shiragami, *Separation of dead cells from culture broth by using dielectrophoresis*, vol. 16, no. C. Elsevier Masson SAS, 2000.

- [11] J. Zhang, K. Chen, and Z. H. Fan, *Circulating Tumor Cell Isolation and Analysis*, 1st ed., vol. 75. Elsevier Inc., 2016.
- [12] N. Pamme, “Continuous flow separations in microfluidic devices,” *Lab Chip*, vol. 7, no. 12, pp. 1644–1659, 2007, doi: 10.1039/b712784g.
- [13] M. Azam, “Pengujian bahan untuk elektroda pada sistem dielektroforesis,” *Youngster Phys. J.*, vol. 6, no. 2, pp. 186–190, 2017.
- [14] R. Krupke, S. Linden, M. Rapp, and F. Hennrich, “Thin films of metallic carbon nanotubes prepared by dielectrophoresis,” *Adv. Mater.*, vol. 18, no. 11, pp. 1468–1470, 2006, doi: 10.1002/adma.200600134.
- [15] R. N. Sari, N. Saridewi, and S. Shofwatunnisa, “Biosynthesis and Characterization of ZnO Nanoparticles with Extract of Green Seaweed Caulerpa sp.,” *J. Perikan. Univ. Gadjah Mada*, vol. 19, no. 1, p. 17, 2017, doi: 10.22146/jfs.24488.
- [16] J. M. I. V. No, “Journal Homepage : MAGNETIK PADA ZnO YANG DISINTESIS DENGAN METODE SOLID STATE REACTION THE EFFECT OF DOPAN Ni ON ELECTRICAL AND MAGNETIC CHARACTERISTICS IN ZnO SYNTHESIZED WITH SOLID STATE REACTION,” 2019.
- [17] M. Rustan, Subaer, and Irhamsyah, “Studi tentang pengaruh nanopartikel zno (seng oksida) terhadap kuat tekan geopolimer berbahan dasar metakaolin,” *J. Sains dan Pendidik. Fis.*, vol. I Nomor 3, no. 1858–330X, pp. 286–291, 2015.
- [18] A. Pressure and C. Plasma, “Studi tentang Reduksi Fe₂O₃ oleh Cold Plasma pada Tekanan Normal dan Temperatur Rendah,” vol. 1, no. 51301022, pp. 151–156, 2017.
- [19] S. Dan and K. Pigmen, “Sintesis Dan Karakterisasi Pigmen Hematit ($\hat{\pm}$ -Fe₂O₃) Dari Bijih Besi Alam Melalui Metode Presipitasi,” *Youngster Phys. J.*, vol. 2, no. 3, pp. 95–100, 2013.
- [20] N. D. Prastiwi, M. Diantoro, and N. Mufti, “PENGARUH

KONSENTRASI Fe₂O₃ TERHADAP STRUKTUR DAN
DIELEKTRISITAS GLASS FUNGSIONAL BOROSILIKAT DARI
PASIR SILIKA PANTAI BANCAR TUBAN.”

- [21] N. B. Permatasari, P. Megantoro, D. Prodi, S. Vokasi, and U. G. Mada, “Kapasitansi dan karakter kapasitor,” 2010.
- [22] R. Gaib, D. Kc, and R. Khalied, “Detailed loses of internal capacitor,” no. September 2018, 2016.
- [23] P. Studi, P. Teknik, and E. Fptk, “RANCANG BANGUN MESIN GULUNG TRANSFORMATOR OTOMATIS BERBASIS MIKROKONTROLER Iman Fushshilat , Yoyo Somantri , Maman Somantri,” vol. 13, no. 1, pp. 23–34, 2014.
- [24] H. Mukti, “Analisis Kinerja Transformator Tiga Belitan Sebagai Generator Step-Up Transformer,” vol. 11 nomer 1, pp. 71–82, 2013.
- [25] A. H. Saptadi *et al.*, “PERANCANGAN DAN PEMBUATAN CHARGER HANDPHONE PORTABLE MENGGUNAKAN SISTEM PENGERAK GENERATOR AC DENGAN PENYERAH DESIGN AND DEVELOPMENT PORTABLE CHARGER HANDPHONE USING Jurnal Infotel Volume 2 , Nomor 2 , November 2010 telah berkembang sangat pesat . Hal t,” *Infotel*, vol. 2, no. 2, pp. 12–24, 2010.
- [26] N. ISTICHOROH, “Simulasi Karakteristik Dioda Dengan Menggunakan Bahasa Pemrograman Delphi 7.0,” *Inov. Fis. Indones.*, vol. 2, no. 01, pp. 1–6, 2013.
- [27] A. Purwadi and W. Usada, “Rancang Bangun Spark Gap Saklar Sumber Elektron Berbasis Plasma Dan Metode Penentuan Besar Arus Berkas Pulsnnya,” *Pros. PPI-PDIPTN*, pp. 118–128, 2010.
- [28] C. Gerekos, “The TESLA coil,” 2012.
- [29] C. Paper, “Resonance frequency measurements of a few materials for temperature variations,” no. JUNE 2014, pp. 462–469, 2015.
- [30] H. Buntulayuk, F. A. Samman, and Y. Yusran, “Rancangan DC-DC

Converter untuk Penguatan Tegangan,” *J. Penelit. Eng.*, vol. 21, no. 2, pp. 78–82, 2018, doi: 10.25042/jpe.112017.12.

- [31] R. H. S, M. Facta, and M. A. R, “Perancangan Inverter Half Bridge Sebagai Catu Daya Tegangan Tinggi Ac Frekuensi Tinggi Beban Kumparan Tesla Dan Dielectric Barrier Discharge Chamber,” *Univ. Diponegoro, Semarang*, vol. 4, no. Universitas Diponegoro, pp. 2–8, 2015.
- [32] F. Budiman, D. K. Silalahi, B. Muhamad, M. R. Fathurahman, M. Rozana, and H. Tanaka, “Wirelessly powered dielectrophoresis of metal oxide particles using spark-gap Tesla coil,” *Electrophoresis*, vol. 41, no. 24, pp. 2159–2165, 2020, doi: 10.1002/elps.202000102.
- [33] M. B. Farriz, A. Din, A. A. Rahman, M. S. Yahaya, and J. M. Herman, “A simple design of a mini tesla coil with DC voltage *input*,” *Proc. - Int. Conf. Electr. Control Eng. ICECE 2010*, pp. 4556–4559, 2010, doi: 10.1109/iCECE.2010.1453.
- [34] M. Learning and R. Cookbook, *The ULTIMATE Tesla Coil Design and Construction Guide*. McGraw Hill Professional, 2007.