

DAFTAR PUSTAKA

- [1] C. Widystuti, “ANALISIS TEGANGAN TEMBUS MINYAK TRANSFORMATOR DI PT. PLN(PERSERO) BOGOR,” *Elektron J. Ilm.*, vol. 11, no. 2, 2019.
- [2] I. N. O. Winanta, A. A. N. Amrita, and W. G. Ariastina, “Studi Tegangan Tembus Minyak Transformator,” *J. SPEKTRUM*, vol. 6, no. 3, pp. 10–18, 2019.
- [3] A. Beroual, H. B. H. Sitorus, R. Setiabudy, and S. Bismo, “Comparative study of AC and DC breakdown voltages in Jatropha methyl ester oil, mineral oil, and their mixtures,” *IEEE Trans. Dielectr. Electr. Insul.*, vol. 25, no. 5, pp. 1831–1836, 2018, doi: 10.1109/TDEI.2018.007219.
- [4] J. Li, Z. Zhang, P. Zou, S. Grzybowski, and M. Zahn, “Preparation of a vegetable oil-based nanofluid and investigation of its breakdown and dielectric properties,” *IEEE Electr. Insul. Mag.*, vol. 28, no. 5, pp. 43–50, 2012, doi: 10.1109/MEI.2012.6268441.
- [5] H. H. Sinaga, D. Roza, H. B. H. Sitorus, C. R. Harahap, D. Permata, and N. Purwasih, “Analysis of Chemical-Physical Properties and Breakdown Voltage of Rubber Seed Oil,” *Proc. - ICCTEIE 2021 2021 Int. Conf. Converging Technol. Electr. Inf. Eng. Converging Technol. Sustain. Soc.*, pp. 138–141, 2021, doi: 10.1109/ICCTEIE54047.2021.9650630.
- [6] H. B. H. Sitorus, A. Beroual, R. Setiabudy, and S. Bismo, “Statistical analysis of AC and DC breakdown voltage of JMEO (Jatropha Methyl Ester Oil), mineral oil and their mixtures,” *2017 IEEE 19th Int. Conf. Dielectr. Liq. ICDL 2017*, vol. 2017-Janua, pp. 1–4, 2017, doi: 10.1109/ICDL.2017.8124647.
- [7] H. B. H. Sitorus, R. Setiabudy, S. Bismo, and A. Beroual, “Jatropha curcas methyl ester oil obtaining as vegetable insulating oil,” *IEEE Trans. Dielectr. Electr. Insul.*, vol. 23, no. 4, pp. 2021–2028, 2016, doi:

10.1109/TDEI.2016.7556474.

- [8] H. B. H. Sitorus, A. Beroual, R. Setiabudy, and S. Bismo, “Comparison of streamers characteristics in jatropha curcas methyl ester oil and mineral oil under lightning impulse voltage,” *Proc. 2014 IEEE 18th Int. Conf. Dielectr. Liq. ICDL 2014*, pp. 1–4, 2014, doi: 10.1109/ICDL.2014.6893090.
- [9] PT.PLN 0520-3.K/DIR/2014, “Buku Pedoman Trafo Tenaga,” *Trafo Tenaga*, pp. i–142, 2014.
- [10] J. Jumardin, J. Ilham, and S. Salim, “Studi Karakteristik Minyak Nilam Sebagai Alternatif Pengganti Minyak Transformator,” *Jambura J. Electr. Electron. Eng.*, vol. 1, no. 2, pp. 40–48, 2019, doi: 10.37905/jjeee.v1i2.2881.
- [11] H. Evianisa, E. Puspitawati, and A. Sukmawati, “Jurnal Teknologia Jurnal Teknologia,” *J. Teknol.*, vol. 1, no. 1, pp. 2–9, 2018.
- [12] B. Prastowo, “2867-6678-1-Sm,” vol. 6, pp. 10–18, 2007.
- [13] C. P. McShane, *Vegetable Oil Based Dielectric COOLANTS*. Jurnal Ind. Eng. Chem. Res, 2002.
- [14] Ditjenbun, “Statistik Perkebunan Unggulan Nasional 2019-2021,” *Direktorat Jendral Perkeb. Kementeri. Pertan. Republik Indones.*, pp. 1–88, 2021, [Online]. Available: <https://ditjenbun.pertanian.go.id/template/uploads/2021/04/BUKU-STATISTIK-PERKEBUNAN-2019-2021-OK.pdf>
- [15] A. S. Ramadhas, S. Jayaraj, and C. Muraleedharan, “Characterization and effect of using rubber seed oil as fuel in the compression ignition engines,” *Renew. Energy*, vol. 30, no. 5, pp. 795–803, 2005, doi: 10.1016/j.renene.2004.07.002.
- [16] Widayat, A. D. K. Wibowo, and Hadiyanto, “Study on production process of biodiesel from rubber seed (*hevea brasiliensis*) by in situ

- (trans)esterification method with acid catalyst," *Energy Procedia*, vol. 32, pp. 64–73, 2013, doi: 10.1016/j.egypro.2013.05.009.
- [17] N. Suleman, Abas, and M. Paputungan, "Esterifikasi dan Transesterifikasi Stearin Sawit untuk Pembuatan Biodiesel," *J. Tek.*, vol. 17, no. 1, pp. 66–77, 2019, doi: 10.37031/jt.v17i1.54.
- [18] D. L. dan C. Budimarwanti, "Sintesis Etil Sitronelat dengan Reaksi Esterifikasi Fischer Antara Etanol dengan Asam Sitronelat Hasil Reaksi Oksidasi Sitronelal. Skripsi. Jurnal Kimia Dasar.," *J. Kim. Dasar*, vol. vol 7, pp. 198–204, 2018.
- [19] M. N. Salman, D. Krisdiyanto, K. Khamidinal, and P. Arsanti, "Preparasi Katalis Silika Sulfat Dari Abu Sekam Padi Dan Uji Katalitik Pada Reaksi Esterifikasi Gliserol Dengan Anhidrida Asam Asetat," *Reaktor*, vol. 15, no. 4, pp. 231–240, 2015, doi: 10.14710/reaktor.15.4.231-240.
- [20] E. Lotero, Y. Liu, D. E. Lopez, K. Suwannakarn, D. A. Bruce, and J. G. Goodwin, "Synthesis of biodiesel via acid catalysis," *Ind. Eng. Chem. Res.*, vol. 44, no. 14, pp. 5353–5363, 2005, doi: 10.1021/ie049157g.
- [21] IEC 60156, ““Insulating Liquids - Determination of The Breakdown Voltage at Power Frequency - Test Method.” Standar IEC, 2018.
- [22] Tofan Bimantara, Juningtyastuti, and Mochammad Facta, "Kinerja Rangkaian R-C Dan R-L-C Dalam Pembangkitan Tegangan Tinggi Impuls," *Transient*, vol. 5, no. 4, pp. 1–7, 2016.