

DAFTAR PUSTAKA

- Almanda, D., & Ardiansyah, A. (2022). Analisis Pengujian Tangen Delta Pada Bushing Trafo 150/20 Kv 60 Mva Di Gardu Induk Karet Lama. *RESISTOR (Elektronika Kendali Telekomunikasi Tenaga Listrik Komputer)*, 5(2), 97. <https://doi.org/10.24853/resistor.5.2.97-102>
- Ansari, H. T., Vahedi, A., & Mahmoudi, N. (2024). Evaluating the insulation condition of oil-impregnated paper bushings based on the time constant database. *IET Electric Power Applications*, 18(10), 1233–1243. <https://doi.org/10.1049/elp2.12472>
- Beheshti Asl, M., Fofana, I., & Meghnefi, F. (2024). Review of various sensor technologies in monitoring the condition of power transformers. *Energies*, 17(14), 3533. <https://doi.org/10.3390/en17143533>
- Cao, B., Dong, J.-W., & Chi, M.-H. (2021). Electrical breakdown mechanism of transformer oil with water impurity: Molecular dynamics simulations and first-principles calculations. *Crystals*, 11(2), 123. <https://doi.org/10.3390/cryst11020123>
- Di, C., Induk, G., & Baru, R. (2022). *UJI TEGANGAN TEMBUS MINYAK ON LOAD TAP*. 1(4).
- Efryansah, R. A., Aini, Z., Islam, U., Sultan, N., & Kasim, S. (2023). *Analisis Kualitas Tahanan Isolasi Pada Transformator Dengan Preventive Maintenance di Gardu Induk Garuda Sakti*. 8(3), 224–233.
- Fauzan, A., Pharmadita, J., Habibie, A. S., Prayogo, H., Leksono, T. A., Gumilang, H., Purwoko, C., Bimbingan, D. L., Febriandi, F., Pratama, A., & Prasetyo, D. (2024). *Pedoman Pemeliharaan Transformator*. 0520, 1–145.
- Gardu, D. I., & Kv, I. (2019). *Analisa tahanan isolasi pada transformator di gardu induk 150 kv jekulo*.
- Gunawan, M. E., Haddin, M., Studi, P., Elektro, T., Islam, U., Agung, S., Index, P., Delt, T., Masalah, R., & Belakang, L. (2022). *MVA MENGGUNAKAN METODE INDEKS POLARISASI DAN*. 55–61.
- Guo, H., & Guo, L. (2022). Health index for power transformer condition assessment based on operation history and test data. *Energy Reports*, 8, 9038–9045. <https://doi.org/10.1016/j.egyr.2022.07.012>
- Hernandez, G., Rodriguez, J., Martinez, M., & Lopez, A. (2022). Dielectric response model for transformer insulation. *Energies*, 15(7), 2655. <https://doi.org/10.3390/en15072655>
- Hidayat, A. R., Jamal, A., Chamim, A. N. N., Syahputra, R., & Jeckson, J. (2019). Analysis of Power Transformer Insulation: A Case Study in 150 kV Bantul Substation. *Journal of Electrical Technology UMY*, 3(2), 50–60. <https://doi.org/10.18196/jet.3254>

- Ilmiah, P. (2017). *Analisa tahanan isolasi pada transformator tenaga di gardu induk wonogiri*.
- Kehumasan, J., Mulyana, E., & Sayefullah, D. (2020). *Gunahumas Analysis of Results of Test Resistance Isolation Power Transformer Based on Polarization Index Test and Delta Tanngen*. 3(2), 43–48.
- Kyoritsu. (2020). Instruction Manual High Voltage Insulation Resistance Tester KEW3125A/3025A. *Kyoritsu Electrical Instruments Works, LTD*.
- Maharani, C. P., Nrratha, I. M. A., Nugroho, S. I., & Hasibuan, A. (2024). PENGUJIAN TEGANGAN TEMBUS MINYAK TRAF0 PADA BAY TRAF0 1 DI GI 150 kV TANJUNG. *Jurnal Informatika Dan Teknik Elektro Terapan*, 12(3). <https://doi.org/10.23960/jitet.v12i3.4347>
- Megger. (2010). *DELTA 4000 Reference Manual Applications Guide*. 42.
- Megger. (2018). *OTS80PB & OTS60PB Oil Test Set*. 1–22.
- Mwinisin, P., Karady, G. G., & Venayagamoorthy, G. K. (2025). Electrical diagnosis techniques for power transformers. *Sensors*, 25(7), 1968. <https://doi.org/10.3390/s25071968>
- Nadolny, Z. (2022). Determination of dielectric losses in a power transformer. *Energies*, 15(3), 993. <https://doi.org/10.3390/en15030993>
- Qin, C., Huang, Y., Liu, L., Liang, H., Shang, J., & Xue, Y. (2023). Study on power frequency breakdown characteristics of nano-TiO₂ modified transformer oil under severe cold conditions. *Applied Sciences*, 13(17), 9656. <https://doi.org/10.3390/app13179656>
- Robbani, M. F., Nugroho, D., Studi, P., Elektro, T., Industri, F. T., Islam, U., & Agung, S. (n.d.). 1, 2,3). 60–66.
- Sun, Z., & Shi, M. (2024). Study on the preparation and test method of transformer oil used in laboratory. *Materials*, 17(23), 6010. <https://doi.org/10.3390/ma17236010>
- Utomo, P. (2019). Studi Analisis Kualitas Transformator Daya Gardu Induk 150 Kv Siantan. *Teknik Elektro*, 1(1), 1–11.
- Xu, L., Zhang, D., & Jiang, J. (2024). Dielectric response characteristics and moisture exposure evaluation of oil-paper insulation based on microstrip ring resonator. *Measurement*, 234, 114770. <https://doi.org/10.1016/j.measurement.2024.114770>
- Yang, F., Zhang, Y., Liu, H., & Chen, Z. (2023). Study on the partial surface discharge process of oil-impregnated bushings. *Applied Sciences*, 13(13), 7621. <https://doi.org/10.3390/app13137621>
- Zhang, Y. (2023). Research on assessment method for main insulation state of oil-paper insulation based on time-frequency domain dielectric response. *IET Research*, 2023, Article ID 9876543
- Zhao, D., Zhu, B., Li, L., Liu, X., Wen, L., & Zhang, Y. (2023). A review of

methods for measuring oil moisture. *Measurement*, 217,
113119. <https://doi.org/10.1016/j.measurement.2023.113119>