TE091399 TUGAS AKHIR – 4 SKS

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Judul Tugas Akhir : Simulation and Analysis of Impulse Over Voltage on Distribution Transformer Winding 20kV
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ABSTRACT

Impulse voltage on distribution transformers 20 Kv that cause from natural phenomenon such as lightning or internal factor (ex. switching), can cause isolation and transformers winding disfuncion with the result of power distribution system fault.

The simulation result by using EMTP software show that the biggest influence in distribution transformers caused by lightning impulse voltage, this can be found from the simulation result that show lightning impuls has higher peak voltage value than switching impuls value.

Keywords : Distribution Transformers, Impulse Voltage, dan Electromagnetic Transient Program (EMTP).