

Judul Artikel:

***STUDI EFEKTIFITAS INDIKATOR KESTABILAN
TEGANGAN PADA MODEL DINAMIS SISTEM
TENAGA LISTRIK***

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Abstraksi:

This paper presents the effectiveness of voltage stability indices for dynamic power system modelling study in providing information about the proximity of voltage instability collapse in power system. Four simple stability indices as Voltage Instability Predictor (VIP), Impedance Stability Index (ISI), Line Index (L index) and Voltage Collapse Prediction Index (V-CPI) are compared using WS-C9 bus test system. The comparison shows the ISI and VCPI are much more reliable indicators, give the fast indication and fast time computation than L index for voltage collapse in dynamics voltage collapse prediction.

Kata Kunci : Dynamics Voltage Collapse, Voltage Instability Predictor Impedance Stability Index, Line Index, Voltage Collapse Prediction Index.

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