Analisis sistem tegangan fasa berdasarkan besaran besaran data numerikal tegangan saluran hasil pengukuran = Analysis of phase voltage systems based on numerical data magnitude of line voltage measurements

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Abstrak

[Analisis sistem tegangan fasa dalam keadaan tak seimbang dapat dengan mudah dihitung tanpa menggunakan perhitungan matematis rumit yang sangat kompleks. Skripsi ini menunjukan cara pengaplikasian dan perhitungan sederhana dengan menggunakan metode analisis trigonometri dan metode dekomposisi grafis. Dengan hanya diketahui nilai data numerik awal hasil pengukuran yang berupa tegangan salurannya maka dapat dihitung nilai tegangan urutan fasa, sudut fasa dan letak pergeseran titik netralnya dengan mudah. Cara dan metode ini dapat digunakan untuk mencari nilai dari ketidakseimbangan sistem yang terjadi di lapangan.;This paper show that analysis of phase voltage on unbalance voltage systems can be calculate exactly without the applications of the complex mathemathics. This paper can show two methods to calculate, the trigonometric analysis methods and graphical decomposition methods. Based on numerical data magnitude of line voltage measurements, can be calculate of voltage phase sequence, phase angle, and shift the location of neutral point. This result in a convenient procedure to assess voltage unbalance in the field. The phase relationships between the sequence and line components can also be calculated., This paper show that analysis of phase voltage on unbalance voltage systems can be calculate exactly without the applications of the complex mathemathics. This paper can show two methods to calculate, the trigonometric analysis methods and graphical decomposition methods. Based on numerical data magnitude of line voltage measurements, can be calculate of voltage phase sequence, phase angle, and shift the location of neutral point. This result in a convenient procedure to assess voltage unbalance in the field. The phase relationships between the sequence and line components can also be calculated.]