

INTISARI

Keandalan merupakan factor yang sangat penting dalam pengoperasian sesuatu sistem jaringan distribusi. Beberapa parameter yang dapat dijadikan acuan dalam mengetahui keandalan suatu sistem distribusi yaitu dengan SAIFI (*System Average Interruption Frequency*) perhitungan indeks rata-rata gangguan selama satu tahun, SAIDI (*system Average Interruption Indeks*) indeks durasi rata-rata gangguan sistem selama satu tahun.

Berdasarkan perhitungan dan analisis didapatkan bahwa indeks total nilai SAIFI Rayon Jasinga dikategorikan kurang handal karena nilai SAIFI melebihi batas maksimal yang telah ditentukan oleh Rayon Jasinga.

Kinerja sistem di Jaringan Distribusi Rayon Jasinga dikategorikan kurang handal karena nilai SAIFI dan SAIDI melebihi dari batas yang sudah ditentukan oleh WCS dan WCC.

Kata Kunci : Keandalan, SAIFI, SAIDI

ABSTRAK

Reliability is a very important factor in a system distribution network. Some parameters which can be used as a reference to know the reliability of a system that is the distribution SAIFI (System Average Interruption Frequency). The calculation is the average number of interruptions for one year. SAIDI (System Average Interruption Duration Index) is the duration of the average number of interruptions for one year.

Based on the accounts and analysis found that the SAIFI of rayon jasinga can be categorized as less reliable. Because the value of SAIFI is beyond the limits of a maximum that has been determined by rayon jasinga.

The performance of rayon jasinga can be categorized as less reliable exceeds that in which.