

Analisis sistem suplai daya instalasi listrik tenaga pada gedung PT. Smart Telecom = Building power supply system installation analysis of PT.SMART Telecom

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Abstrak

Skripsi ini bertujuan untuk membuat suatu analisa sistem kelistrikan suatu gedung komersial. Suatu gedung komersial yang di pergunakan sebagai Mobile Swtching Network (MSC) dan pusat pengolahan data suatu perusahaan telekomunikasi yang terletak di Jakarta di lihat sistem suplai daya instalasi tenaganya kemudian di ambil kesimpulan bahwa gedung komersial tersebut memiliki kekurangan pada aspek kehandalan, efisiensi komponen kelistrikan serta proses perawatan sehingga mengakibatkan pemborosan biaya. Selanjutnya dilakukan proses analis sistem suplai daya instalasi tenaga, merubah sumber-sumber suplai daya instalasi listrik tenaga dan menghilangkan dua sumber listrik cadangan dari PLN masing-masing sebesar 264 KVA sehingga dapat menghemat biaya langganan tetap, biaya perawatan serta biaya tenaga operator setiap bulan yang harus di bayarkan. Perubahan sistem suplai daya listrik tenaga ini tidak mengurangi pelayanannya ke beban-beban listrik yang berada di gedung komersial tersebut. Tetapi lebih bisa di handalkan dan mudah dalam perawatannya.

This Script aim to make analyse the electrical system for commercial building. A commercial building which is utilizing as Mobile Switching Network (MSC) and data processing center of an telecommunications company which is located in Jakarta have been analysis of the electrical system and then taking conclusion that the commercial building own the insufficiency of mainstay aspect, efficient of electrical component and expense. Herein after process of more reliable improvement the electrical system, easy to predict by lessening amount of component and cable which not needed. Changing source reserve of system of distribution of electrical power and eliminate two PLN 264 KVA electrical source reserve so that can cost effective the abodemen each month which must paying. this changing electrical system not lessen its service to electrics burden residing in the commercial building. But rather can relying on and easy to maintenance.