

ABSTRACT

Batteries at the substation are used to supply equipment that works on the equipment, including PMT motors, PMS, communication equipment and protection equipment. Battery maintenance aims to determine the condition of the battery so as to prevent the occurrence of things that are not desirable early. Battery capacity testing as a routine battery maintenance for 2 years includes: measurement of voltage per cell on the battery, measurement of total battery voltage, measurement of electrolyte density, measurement of electrolyte temperature, measurement of battery capacity and cleaning of batteries. Annual battery maintenance aims to find out the battery life. The stages of battery capacity testing are; battery capacity charging, discharging, and recharging.

Keywords: Annual maintenance, capacity, batttery.

INTISARI

Baterai pada gardu induk digunakan untuk mensuplai peralatan peralatan yang bekerja pada serandang, meliputi motor PMT, PMS, peralatan komunikasi dan peralatan proteksi. Pemeliharaan baterai bertujuan untuk mengetahui kondisi baterai sehingga mencegah terjadinya hal hal yang tidak diinginkan sejak dini. Pengujian kapasitas baterai sebagai pemeliharaan baterai rutin 2 tahunan meliputi : pengukuran tegangan per sel pada baterai, pengukuran tegangan total baterai, pengukuran massa jenis elektrolit, pengukuran suhu elektrolit, pengukuran kapasitas baterai dan pembersihan baterai. Pemeliharaan baterai tahunan bertujuan untuk mengetahui daya simpan baterai. Tahapan pengujian kapasitas baterai yaitu ; pengisian kapasitas baterai, pengosongan, dan pengisian kembali.

Kata Kunci : Pemeliharaan tahunan, kapasitas, baterai.