



ABSTRAK

Maintenance bertujuan untuk mencegah terjadinya kerusakan serta memperbaiki kerusakan yang terjadi. Pekerjaan *Maintenance* dikerjakan secara terencana maupun tidak. *Maintenance* yang direncanakan pada PLTA Wonogiri dilakukan secara periodik. Pekerjaan tersebut berupa inspeksi secara visual maupun pengukuran saat peralatan bekerja dan tidak bekerja, mencangkup peralatan utama, peralatan bantu, maupun pratana proteksi. Pada inspeksi *Maintenance* PMT hl3-6 secara visual meliputi indikator level oli, tanda-tanda kebocoran oli, dan indikator kerja PMT. Sementara inspeksi pengukuran meliputi inspeksi perubahan suhu pada *insulating cylinder*. Dari hasil inspeksi tersebut ditemukan tanda tanda kebocoran oli pada PMT HL3-6.

Pengambilan keputusan menggunakan metode evaluasi *maintenace*, dimana dibagi menjadi 3 level. Level 1 hasil inspeksi visual keadaan fisik pada PMT HL3-6, level 2 hasil pengukuran *thermal* dalam keadaan bekerja, sedangkan level 3 inspeksi pengukuran saat *offline* berupa pengukuran hambatan isolasi pada kontak PMT HL3-6. Evaluasi *Maintenance* mengacu pada standar masing-masing inspeksi. Hasil evaluasi *maintenane* diadakan *breakdown Maintenance*. Perbaikan tersebut berupa pembersihan kontak-kontak dan penggantian *insulating oil* pada PMT HL3-6. Setelah dilakukan *breakdown Maintenance* kemudian di cek kembali dengan melakukan pengukuran ulang untuk menentukan kelayakan PMT HL3-6 dengan mengacu pada standar yang digunakan. Hasil dari *breakdown Maintenance* bahwa PMT HL3-6 layak digunakan kembali karena telah memenuhi standar dan tidak ada tanda-tanda kebocoran oli.

Kata kunci: *Maintenance* Level 1, *Maintenance* Level 2, *Maintenance* Level 3, *Breakdown Maintenance*



ABSTRACT

Maintenance was aimed at preventing the destruction as well as to improve the destruction. Maintenance work planned or done scare. Maintenance planned at plta wonogiri conducted periodic scare. The job of visually and inspection equipment measurements while they worked and does not work, main include equipment, equipment help, and pratana protection. On inspection maintenance supplementary food to be provided hl3-6 visually covering indicator reach the level of less oli, indicator oil leakage, and the levels of indicators supplementary food to be provided much of his best work. While the figure fell to inspection the measurement of covering inspection change in temperature at a insilating cylinder. From the results of the inspection was found this morning the attesting signs and miracles the possibility of mismanagement of oli on supplementary food to be provided hl3-6.

Using a method of decision making maintenace, evaluation where is divided into 3. level The level of 1 visual inspection report on pmt hl3-6, physical state the level of 2 thermal measurement result in a state of work, while the level of 3 inspection measurements while they offline in form of measurement of the obstacles on contact pmt hl3-6. Isolation Evaluation maintenance refers to every standard inspection. The evaluation results maintenane held breakdown. maintenance The improvement of pebersihan contact and the replacement of insulating oil on pmt hl3-6. After the breakdown maintenance then in check back with repeated measurements to determine the feasibility of pmt hl3-6 with reference to standard used. The result of breakdown maintenance that pmt hl3-6 fit for use in return for meet the standards and there is no indicator that oil leak.

Keyword: Maintenance Level 1, Maintenance Level 2, Maintenance Level 3, Breakdown Maintenance