

Penerapan Prosedur Operasional Baku dengan Metode Corrective Maintenance dan Preventive Maintenance pada Pompa Air Pengendali Banjir di Kota Administrasi Jakarta Barat = Implementation of Standard Operating Procedures (SOP) with Corrective Maintenance and Preventive Maintenance Methods on Flood Control Water Pumps in West Jakarta Administrative City

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Abstrak

Pemerintah Provinsi Daerah Khusus Ibukota Jakarta melalui Satuan Kerja Perangkat Daerah terkait, yaitu Suku Dinas Sumber Daya Air Kota Administrasi Jakarta Barat melakukan kegiatan pemeliharaan pompa stasioner dengan melibatkan secara langsung perusahaan manufaktur pompa itu sendiri atau perwakilan yang produknya dipakai. Hal ini perlu mendapat perhatian khusus untuk membuat Prosedur Operasional Baku yang sesuai dengan standar agar kegiatan berjalan dengan efektif dan efisien. Berdasarkan data pemeliharaan pompa stasioner, kondisi eksisting yang dilaksanakan hanya tindakan *corrective maintenance* saja. Oleh karena itu, *preventive maintenance* merupakan usulan yang dilakukan Penulis dalam praktik keinsinyuran ini. Analisis data yang diolah menggunakan dua metode, yaitu *corrective maintenance* dan *preventive maintenance*. Setelah melakukan analisis, dapat disimpulkan: 1) Setelah dilakukan analisis kerusakan terhadap data pada pompa stasioner, diperoleh kemungkinan penyebab dan penanganannya; 2) Selanjutnya, dilakukan tindakan perawatan yang meliputi *preventive maintenance* dan *corrective maintenance* yang dapat dilakukan secara mandiri maupun oleh pihak ketiga; 3) Menetapkan aktifitas alur pelaporan dan proses pemeliharaan pompa; 4) Menetapkan aktifitas alur kerja perbaikan pompa oleh pihak ketiga; 5) Penerapan prosedur alur pelaporan dan proses pemeliharaan pompa serta prosedur alur kerja perbaikan pompa oleh pihak ketiga (Vendor/ATPM) dilakukan dengan memperhatikan nilai-nilai kode etik dan etika profesi Insinyur.

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Provincial Government of the Special Capital Region of Jakarta through the relevant Regional Work Unit, namely the Water Resources Office of the West Jakarta Administrative City, conducts stationary pump maintenance activities by directly involving the pump manufacturing company itself or representatives whose products are used. This needs special attention to make Standard Operating Procedures that are in accordance with standards so that activities run effectively and efficiently. Based on stationary pump maintenance data, the existing conditions carried out are only corrective maintenance actions. Therefore, preventive maintenance is a proposal made by the author in this engineering practice. Data analysis is processed using two methods, namely corrective maintenance and preventive maintenance. After analyzing, it can be concluded: 1) After analyzing the damage to the data on the stationary pump, the possible causes and handling are obtained; 2) Furthermore, maintenance actions are carried out which include preventive maintenance and corrective maintenance which can be carried out independently or by third parties; 3) Establish reporting flow activities and pump maintenance processes; 4) Establish pump repair workflow activities by third parties; 5) Implementation of reporting flow procedures and pump maintenance processes as well as pump repair workflow procedures by third parties (Vendors / ATPM) is carried out by taking into

account the values of the code of ethics and professional ethics of Engineers.