WORK LOAD LEVELLING OF EQUIPMENT INSPECTION
BY WORK LOAD ANALYSIS METHOD

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ABSTRACT

In order to ensure the production process in oil and gas industry runs continuously, it requires reliable equipments to prevent unplanned equipment breakdown. As a solution to minimize the damage to the equipment is to create a well-planned system of inspection. Total E&P Indonesie has established a good system to manage the inspection activities, however during implementation, the outstanding inspections job is always increasing from year to year. This condition will bring the existing equipments into downgraded situation and consequently will jeopardize the security of the ongoing production process. Additional teams has been mobilized to solve this issue, however the same problems is still appear.

Based on the above problems, it is necessary to conduct further research to determine whether the allocation of manpower has been optimized or not, through work leveling process by using work load analysis method.

The objective of this research is to obtain the manpower optimization through work allocation in inspection activities, as a reference to determine the future inspection work planning.

Keywords : inspection, manpower, work load analysis