

Pemilihan faktor prioritas untuk meningkatkan kesiapan operasi reaktor nuklir siwabessy dengan metode Analytic Network Process (ANP) =
Selection of operation readiness improvement priority factors in
siwabessy nuclear reactor with Analytic Network Process (ANP)

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Abstrak

Kesiapan operasi pada reaktor nuklir merupakan hal penting yang harus diperhatikan oleh lembaga. Penelitian ini bertujuan mendapatkan faktor-faktor yang mempengaruhi kesiapan operasi reaktor nuklir. Penelitian ini mengambil studi kasus pada Reaktor Siwabessy, Badan Tenaga Nuklir Nasional Indonesia. Digunakan metode Analytic Network Process ANP untuk mendapatkan faktor-faktor prioritas yang memengaruhi kesiapan operasi reaktor nuklir.

Hasil penelitian menunjukkan bahwa terdapat enam kriteria dan dua puluh sub kriteria yang mempengaruhi kesiapan operasi. Sub kriteria training merupakan faktor yang paling penting dan paling memengaruhi faktor lainnya dalam kesiapan operasi. Peningkatan sub kriteria training sebesar 10 , akan meningkatkan peningkatan sub kriteria operation planning 9,29 , work innovation 7,62 dan business process 3,41.

.....Operation readiness in nuclear reactor is an important thing to be concert by an nstitution.i This research aims to find the important factors affecting the nuclear reactor operation readiness. This research took place in Siwabessy Nuclear Reactor, Badan Tenaga Nuklir Nasional Indonesia. Analytic Network Process is used to get the priority factors affecting nuclear reactor operation readiness.

Research result shows that there are six citerias and twenty sub criteria which affecting operation readiness. Training is the most important factor and also the most influencing factor to other factors in an attempt to improve productivity. By improving training factor for 10 , the other factors such as operation planning, work innovation, and business process also will be improved by 9,29 , 7,62 , and 3,41 sequentially.