

Analisis Efektivitas dan Efisiensi Penerapan Teknologi Marine Operating System (MOS) pada PT. Pelabuhan Indonesia II dengan Menggunakan Metode Analytical Hierarchy Process (AHP) = Analysis of the Effectiveness and Efficiency of the Application of Marine Operating System (MOS) Technology at PT. Indonesian Port II by Using the Method Analytical Hierarchy Process (AHP)

Muhammad Rifadli, author

Deskripsi Lengkap: <https://lib.ui.ac.id/detail?id=20499471&lokasi=lokal>

Abstrak

Digitalisasi dan pembaharuan teknologi menjadi kunci dalam meningkatkan kualitas produksi di segala jenis industri dan sektor salah satunya di bidang kemaritiman. Salah satu terobosan di bidang kemaritiman oleh PT Pelabuhan Indonesia II dengan teknologi yang bernama marine operating system yang mampu menjadi kunci peningkatan efektivitas di pelabuhan terutama dalam cost yang di keluarkan. Karya tulis ini bertujuan untuk mengetahui seberapa efektif dan efisien sistem marine operating system dengan menggunakan metodologi Metode Analytical Hierarchy Process(AHP). Metodologi ini membuat sistim hierarki yang berisikan kriteria dan alternatif penunjang efektivitas marine operating system. Data penelitian ini diambil melalui expert judgement Ketua Dewan Pelabuhan Indonesia serta data objektif dari PT Pelabuhan Indonesia II. Dari penelitian diketahui bahwa efektifitas biaya bahan bakar menjadi alternatif paling efektif dari pelaksanaan teknologi marine operating system dengan efektivitas Rp.1,117,335.82 setiap order di pelabuhan.

.....Digitalisation and technology renewal are key in improving the quality of production in all types of industries and sectors, one of which is in the maritime sector. One of the breakthroughs in the maritime sector by PT Pelabuhan Indonesia II with a technology called marine operating system which is able to be the key to increasing effectiveness at the port, especially in the released costs. This paper aims to find out how effective and efficient the marine operating system is using the Analyticalcal Hierarchy Process (AHP) methodology. This methodology creates a hierarchical system that contains criteria and alternatives to support the effectiveness of marine operating systems. The research data was taken through the expert judgment Chair of the Indonesian Port Board and objective data from PT Pelabuhan Indonesia II. From the research it is known that the effectiveness of fuel costs is the most effective alternative of implementing marine operating system technology with an effective Rp.1,117,335.82 per order at the port.<i/>