

Studi Evaluasi Kinerja Operasional Pelayanan Kapal di Pelabuhan pada Masa Post-Pandemi Covid-19 Berbasis Big Data Automatic Identification System (AIS) = Evaluation Study of Ship Service Operational Performance at Ports in the Post-Covid-19 Pandemic Period Based on Big Data Automatic Identification System (AIS)

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Abstrak

Pandemi COVID-19 memengaruhi kegiatan kapal dan penting untuk dievaluasi manajemen pelabuhannya. Tak hanya itu, adanya pandemi COVID 19 berdampak pada aksesibilitas, mobilitas, serta kinerja dari sebuah pelabuhan dalam melakukan proses pengerjaan pelabuhan. Pengaruh lainnya juga berdampak pada trend peningkatan angkutan barang serta pelayanan kapal. Untuk mengevaluasi kinerja pelayanan operasional pelabuhan yang terkhususkan terkait pelayanan kapal dibutuhkan metode untuk mengevaluasi kinerja pelayanan operasional pelabuhan dalam pelayanan kapal. Salah satu cakupan dalam proses mengevaluasi kinerja pelayanan operasional pelabuhan dalam pelayanan kapal, dibutuhkan juga beberapa indikator standar kinerja operasional pelayanan pelabuhan waktu pelabuhan seperti Waktu Tunggu Kapal (Waiting Time/WT), Waktu Pelayanan Pemanduan (Approach TimeI/AT), Waktu Kapal di Tambatan Berthing Time serta Tingkat Penggunaan Dermaga (Berth Occupancy Ratio/BOR) dan juga nilai Turn Around Time yang dapat memberikan informasi terkait sebaran nilai Turn Aound Time pada kapal. Penelitian kali ini nantinya diperlukan untuk mengevaluasi serta mengetahui kinerja operasional pelayanan kapal di pelabuhan pada saat setelah pandemi (post pandemic) pandemi untuk mengevaluasi serta mengetahui kinerja operasional pelayanan kapal di pelabuhan setelah pandemi (post pandemic) berbasis big data AIS (Automatic Identification System) sehingga dapat membantu pihak pelabuhan seperti direktur pelabuhan hingga otoritas pelabuhan dalam melakukan perbaikan terhadap kinerja operasional pelayanan kapal di pelabuhan setelah pandemi (post pandemic).

.....The COVID-19 pandemic has affected ship activities and it is important to evaluate port management. Not only that, the existence of the COVID 19 pandemic has had an impact on the accessibility, mobility, and performance of a port in carrying out port construction processes. Other influences also have an impact on the trend of increasing freight transport and ship services. To evaluate the performance of port operational services specifically related to ship services, a method is needed to evaluate the performance of port operational services in ship services. One of the scopes in the process of evaluating the performance of port operational services in ship services, requires several standard indicators of port service operational performance at port time such as Ship Waiting Time (WT), Guided Service Time (Approach TimeI/AT), Ship Time at Berths. Berthing Time and Berth Occupancy Ratio (BOR) as well as Turn Around Time values which can provide information regarding the distribution of Turn Aound Time values on ships. This research is later needed to evaluate and find out the operational performance of ship services at ports after a pandemic (post-pandemic) pandemic to evaluate and find out the operational performance of ship services at ports after a pandemic (post-pandemic) based on big data AIS (Automatic Identification System) so that can assist port parties such as port directors to port authorities in making improvements to the operational performance of ship services at ports after a pandemic (post-pandemic).