

## Efisiensi relatif kapal-kapal angkutan penumpang kelas ekonomi PT Peln tahun 2009-2012 = Relative efficiency in PT. Peln's economy class passenger ships year 2009-2012

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### Abstrak

[<b>ABSTRAK</b><br>

Penelitian ini bertujuan untuk mengidentifikasi efisiensi relatif antara kapal PT.PELNI dan faktor-faktor yang menyebabkan inefisiensi. Objek penelitian adalah 21 kapal pada periode 2009-2012. Variabel input yang digunakan dalam penelitian ini adalah dana untuk subsidi PSO, dan kapasitas kursi kelas ekonomi. Variabel output adalah jumlah penumpang kelas ekonomi, jumlah voyage, dan jumlah hari operasi. Penelitian ini menerapkan model Data Envelopment Analysis (DEA). Hasil penelitian: hanya ada 4 kapal yang konsisten relatif efisien pada periode 2009-2012. Penyebab utama dari inefisiensi kapal adalah jarak rute terlalu jauh, dan terlalu banyak kursi di kelas ekonomi. Dengan demikian, disarankan untuk membuat beberapa perbaikan dalam operasional kapal, terutama untuk memperpendek rute dan mengurangi jumlah kursi di kelas ekonomi.

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<b>ABSTRACT</b><br>

This research is aimed to identify the relative efficiency among of PT. PELNI's ships and the factors that cause the inefficiency. The object of study are 21 ships at period 2009-2012. The input variables used in the study are fund for subsidy PSO, and seat capacity of economy class. The output variables are number of economy class passengers, number of voyages, and number of operating days. The study applied the model of Data Envelopment Analysis (DEA). The research result: there are only 4 ships that consistently relatively efficient at period 2009-2012. The main cause of a ship inefficiency were the distance route is too far, and too many seat in economy class. Thus, it's suggested to make some improvement in operating of ships, especially to shorten the length of routes and to decrease the seat in economy class., This research is aimed to identify the relative efficiency among of PT. PELNI's ships and the factors that cause the inefficiency. The object of study are 21 ships at period 2009-2012. The input variables used in the study are fund for subsidy PSO, and seat capacity of economy class. The output variables are number of economy class passengers, number of voyages, and number of operating days. The study applied the model of Data Envelopment Analysis (DEA). The research result: there are only 4 ships that consistently relatively efficient at period 2009-2012. The main cause of a ship inefficiency were the distance route is too far, and too many seat in economy class. Thus, it's suggested to make some improvement in operating of ships, especially to shorten the length of routes and to decrease the seat in economy

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