

ABSTRACT

Air transportation in Indonesia is developing very rapidly which is the main factor causing the increase in operational activities at airports in Indonesia from year to year. Indonesia has 17,499 islands with a total area of about 7,810,000 km² consisting of an ocean area of 3.25 million km², an Exclusive Economic Zone area of about 2.55 million km², and land with an area of about 2.01 million km². This study aims to analyze the productivity level of airport companies in Indonesia managed by PT Angkasa Pura I (Persero) and PT Angkasa Pura II (Persero) for the period 2011-2020. The method of analysis is Malmquist Productivity Index (MPI) method to calculate the level of productivity and using Mann-Whitney U Test to test the TFPCH mean difference. There are two variables used in this study, namely the input variable and the output variable. The input variables consist of number of runways, terminal size area, number of employment, and total expense. Meanwhile total number of aircraft movements, total number of passengers, total freight, and total revenue as variable output. This research shows that PT Angkasa Pura I (Persero) is unproductive, while PT Angkasa Pura II (Persero) is productive. The findings indicate that PT Angkasa Pura II (Persero) is more productive than PT Angkasa Pura I (Persero) to manage inputs and outputs owned by company.

Keywords: Malmquist Productivity Index, Productivity, Airport.