

***EVALUATION OF PASSENGER TERMINALS INTERNATIONAL  
AIRPORT RAJA HAJI FISABILILLAH TANJUNGPINANG  
WITH ARIMA METHOD AND SNI 03-7046-2004***

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**ABSTRACT**

*Raja Haji Fisabilillah International Airport is an airport in Tanjungpinang and it is quite high in service levels for the flow of passengers and goods. Based on the data from Airport Quality Angkasa Pura II, the passenger growth has both decreased and increased in the last 3 (three) years. In 2015, there were 258,936 people in total and has decreased to 246,828 people in 2016 and increased again in 2017 by 351,688 people. Therefore, it is necessary to evaluate the terminal of Raja Haji Fisabilillah International Airport. The method used are observation and survey. The data analysis method refers to SNI 03-7046-2004 which includes the broad standard (needs) of passenger terminal space and forecasting using the ARIMA Method.*

*The evaluation and analysis results show that the terminal of Raja Haji Fisabilillah International Airport still meets the applicable standards and requirements according to SNI 03-7046-2004. With the results as follows: The peak hours occur at 05:45 - 06:45 WIB; the departure hall area is 507 m<sup>2</sup> and the departure hall area that exists in the existing condition is 633.6 m<sup>2</sup>; the number of X-rays is 1 (one) unit and the number of X-rays in the existing condition is 2 (two) units; the number of check-in counters is 11 counters and the number of check-in counters at existing conditions is 11 counters; the total capacity of the departure lounge is 591 people and the number of passengers using the departure lounge is 212 people, therefore the results of LOS (Level Of Service) will not be evaluated; extensive baggage claim area is 187.11 m<sup>2</sup> and the area of the baggage claim area at existing conditions is 388.8 m<sup>2</sup> and passenger movements for the next 5 (five) years indicate that all equipment facilities for the needs of terminal passengers of Raja Haji Fisabilillah International Airport are still adequate for the year of 2019 to 2023 with forecasting results of 385,582 people.*

*Keywords: ARIMA, Evaluation, Forecasting, Passenger Terminal*