Abstract

Banyuwangi’s land territory consists of a mountainous plateau which is the producer of farm products, with the potential of lowland agricultural products, as well as the east coast of Banyuwangi as one of the largest fish in East Java. The local government continues to increase investment from all areas of the existing potential. It paid off with an increase in the value of investment of about 20 percent in 2012, from Rp 5 trillion to Rp 5.5 trillion to Rp 6 trillion. In order to keep pace with economic growth is expected to be followed by the growth and improvement of existing infrastructure, one of which is the airport.

The case studies in this thesis is Blimbingsari Airport, District Rogojampi, Banyuwangi. The analysis is carried out is the need of the runway, taxiways and apron for a 20-year plan, from 2013 to 2033. Factor to consider is the growing passenger and aircraft movements. The development plan for this airside facilities for 2 phases, each by 10 years. The type of aircraft used is a plan Embraer E-195 and Boeing 737-400.

From the analysis of the results obtained in phase 1 needs runway is 2.015 meters, while the second phase is 3.049 meters. The width of the runway each - one is 45 meters. For taxiway facilities obtained 15 meters wide, while the dimensions of the apron needs a plan for the end of the year is 253.8 meters long and 51.25 meters wide.
Keyword: Airport, Runway, Taxiway, Apron