ABSTRACT

The tourism industry has a fairly high contribution to the economy in Indonesia. In Central Java Province, Banyumas Regency is a rather popular tourist destination. The quickest route to tourist destinations in the Banyumas region is required to make it simpler for visitors to travel farther, faster, and for less money. Traveling Salesman Problem (TSP) involves finding the shortest path between all destinations and the starting point. To find the shortest path between nine tourism destinations in Banyumas Regency, we used the Integer Linear Programming (ILP) approach in this study. Based on the results of the study, the route taken from each starting point has the same travel route and the distance traveled is not much different. The travel route from Banyumas Square includes the Alun-alun → Bale Kemambang Park →Small world → Baturaden Lokawisata → Limpakuwus Pine Forest → Germanggis → Dream Land Water Park → Temple Outbound → THR Pangsar Soedirman → Curug Song → Alun-alun, with the distance traveled which is 117.3 KM.

***Keywords:** Integer Linear Programming, , Shortest Route, Tourism, Traveling Salesman Problem*