

ABSTRACT

Busway is the mass transportation system which is the vehicles on special track in right line of road. The system is closed system, which is the passengers only can get on and off in shelter has been prepared and completed with ticket system (only way ticket or subscribe ticket by prepaid mechanism).

The technical condition of road in Semarang is not possible to widening road for set up busway corridor in median although to construct special track. For that, one of Semarang Government wisdom is operate that system with “mixed traffic” which the type is busway system and bus line system, so the bus’s velocity will be effected by the vehicle’s speed in the flow of traffic. Busway system is will be operated on 6 strip lines except on Siliwangi street because it has DS 0,85 (more than 0.75). Bus line system will be operated on the roads which have 4 strip lines type.

The government Semarang city describes to build 3 corridor busways. They are corridor 1 Mangkang-Penggaron; corridor 2 Pudukpayung-Pengapon; and corridor 3 Terboyo-Simpanglima. As soon as possible, the route will be realized is corridor 1. This corridor has route as far as 25,35 km. Mangkang bus station and Penggaron bus station are a transfer point and as a first point and end of bus route.

To support government the operation busway, along route of busway will be built shelters as a transfer point that spread up at 21 significant point that have potential demand high enough.

Keywords : busway, mixed traffic, corridor, system