

ABSTRAK

Perencanaan desain geometrik jalan yang sesuai dengan standarisasi nasional perlu dikaji terlebih dahulu standarisasi nasional yang digunakan yang meliputi ketentuan – ketentuan teknis yang berlaku dalam perencanaan geometrik jalan dan perhitungan – perhitungan di dalamnya.

Hasil perencanaan geometrik akses jalan baru kawasan bendungan cipanas, panjang jalan 2648,52 meter yang berfungsi sebagai jalan arteri sekunder 2/2 TT dengan lebar jalan 2 x 3,5 meter, maka diperoleh alinyemen horizontal pada 4 titik dan alinyemen vertikal pada 5 titik dan analisa hasil perhitungan volume galian 80,083.48 m³ dan volume timbunan 141,620.25 m³.

Kata Kunci : Geometrik Jalan, Alinyemen Horizontal, Alinyemen Vertikal, Civil3D

ABSTRACT

The planning of road geometric design in accordance with national standards needs to be reviewed first the national standards used which include technical provisions applicable in road geometric planning and calculations therein.

The results of the geometric planning of the new access road in the Cipanas Dam area, the length of the road is 2648.52 meters which functions as a secondary arterial road 2/2 TT with a road width of 2 x 3.5 meters, then obtained horizontal alignment at 4 points and vertical alignment at 5 points and analysis the results of the calculation of the volume of excavation is 80,083.48 m³ and the volume of embankment is 141,620.25 m³.

Keywords: Geometric Road, Horizontal Alignment, Vertical Alignment, Civil3D