

ABSTRAK

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EVALUASI GEOMETRIK JALAN PADA RUAS JALAN KEL.NGADE KEC. TERNATE SELATAN KOTA TERNATE.

Kata Kunci : Alinement Horizontal dan Alinement Vertikal

Jalan merupakan salah satu akses transportasi darat yang menghubungkan wilayah yang satu ke wilayah yang lain. Pertumbuhan penduduk yang pesat merupakan masalah besar yang selalu berkaitan dengan masalah-masalah yang ada. Dalam meningkatkan perekonomian dan taraf hidup masyarakat, jalan memiliki peran penting dalam memperlancar arus distribusi barang dan jasa. Khususnya dalam hal transportasi sarana prasarana jalan merupakan faktor utama yang harus diperhatikan. Pelayanan sarana prasarana jalan yang baik, aman dan lancar akan terpenuhi jika memenuhi persyaratan teknis geometrik jalan. Geometrik jalan merupakan suatu bangun jalan raya yang menggambarkan tentang bentuk atau ukuran jalan raya baik menyangkut penampang melintang, memanjang, dan aspek lain yang terkait bentuk fisik jalan. Hal tersebut sangat menunjang Kenyamanan dan keselamatan dalam berkendara, Adapun tujuan dari penelitian ini yaitu Mengevaluasi kondisi geometri jalan pada ruas jalan Kel. Ngade, Kec. Ternate Selatan, Kota ternate.

Pada penelitian ini dilakukan untuk mengevaluasi elinemen horizontal dan elinemen vertikal (geometrik) pada ruas jalan Kel. Ngade, Kec. Ternate Selatan, Kota ternate.

Keywords : Horizontal Alinement and Vertical Alinement

Roads are one of the land transportation accesses that connect one area to another. Rapid population growth is a big problem that has always been related to the existing problems. In increasing the economy and people's living tariffs, roads have an important role in facilitating the flow of distribution of goods and services. Especially in terms of transportation of road infrastructure is the main factor that must be considered. Good, safe and smooth road infrastructure services will be fulfilled if they meet the geometric technical requirements of the road. Geometric road is a highway construction that describes the shape or size of the highway both regarding cross section, lunging, and other aspects related to the physical shape of the road. This is very supportive of Kenya-manan and safety in driving, The purpose of this study is to evaluate the condition of road geometry on the road section of Kel. Ngade, South Ternate District, Ternate City.

In this study, it was carried out to evaluate horizontal elinemen and vertical (geometric) elinements on the road section of Kel.Ngade Kec. Ternate Selatan Ternate City. By relying on the Intercity Road Geometric Design Procedure (1997), and for data retrieval it is taken at a point where accidents usually occur.

Based on the results and discussion of the research that has been carried out, it can be concluded as follows: In the existing conditions of *the horizontalline* road at the research location, which consists of 4 existing bends. From the 4 bends, some bends have a radius below the minimum radius of 110 m in accordance with the standards in Bina Marga. i.e. turns 1, 2 and 3. For *vertical paragraphs* on the existing road, there is a hit that exceeds the maxismum (Emax) hit by 10% in accordance with the existing standards in Bina Marga, namely at Sta, 0 +025 - 0 +050, 0 + 075 - 0 + 100, 0 + 200 - 0 + 300, 0 + 325 - 0 + 350, 0 + 375 - 0 + 400, 0 + 450 - 0 + 475, 0 + 575 - 0 + 600.