

ABSTRACT

Technical review of the mine haul roads from front mining to stock yard at PT. Duta Nurcahya is located in village of muara bakah and village of Jujubaru, District Lahei, North Barito regency, Central Kalimantan province. This study focused on the terms of the geometry of the way so that knowing the proper of the mine haul road and also find out the factors that led to the interrupted process of transporting the case. In general, haul road conditions there do not meet existing standards of technical feasibility.

The width of the haul roads to the straight and corner still does not comply with the technical requirements, the minimum width should be 8,575 meters straight but the field is only 8 meters. And the minimum width of the road at the corner should be 12 meters, but the reality on the field is only 10,1525 meters. Because of the width of the existing safety berms field of 1,3 m was larger than it should is 0,645 m, so that the excess width of the safety berms may be added to the width of the road that is equal to 0,655 m, the smallest corner radius that is in the field is 45,10 m, while the minimum radius that can be traversed by trucks Hino FM 260 is at 8,8 m, so that every corner on the ground can be passed by truck Hino FM 260. Superelevasi existing field superelevasi already meet the minimum required on each corner, which is 10.1 cm at corner A, 18 cm at corner B, 13 cm at corner C and 10 cm at corner D. The maximum road grade is allowed on the hills by 8%, whereas there is only field grade roads is less than 8%.

Factors supporting such as driver visibility, size of safety berm, already have the standard, but the dimension of channel and the size of cross slope not fully comply with the existing standards of technical feasibility. For example, as in the event of heavy rain then the road will be stagnant with water because the body has no transverse slope (cross slope), and has small dimension of the channel trenching along the way.

Because real speed in the field to little 19,11 KmH for fully contain hauling truck and 26,09 KmH for empty contain hauling truck, then the speed of hauling truck can still charge up to increase production and get production targets. The company has limits to increase the speed of the hauling truck, 35 KmH for fully contain hauling truck and 40 KmH for empty contain hauling truck.