

ABSTRACT

Two-Dimensional Underground Track Model

By

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Nowadays, people have to face many problems that caused by finited land. Inadequate land for road track is one of that problem. Underground track is one of solution of this. Underground track is a track under the ground that built with certain depth, and distance between its top and topsoil is about x m. The underground track model from Gedung Observatorium to Gedung Matematika designated to be built with 2.5 m depth, 1.5 m width, 2,700 m length, and 4 m gapping from the top soil (that used as road track). Underground track that built under the road track is way to be more efficient and as an alternative solution to traffic jam . Distance between top of underground track and top soil really depend on the quality and thickness of the type of soil above.

Keywords: Mathematical Modeling, Underground Track, Wide