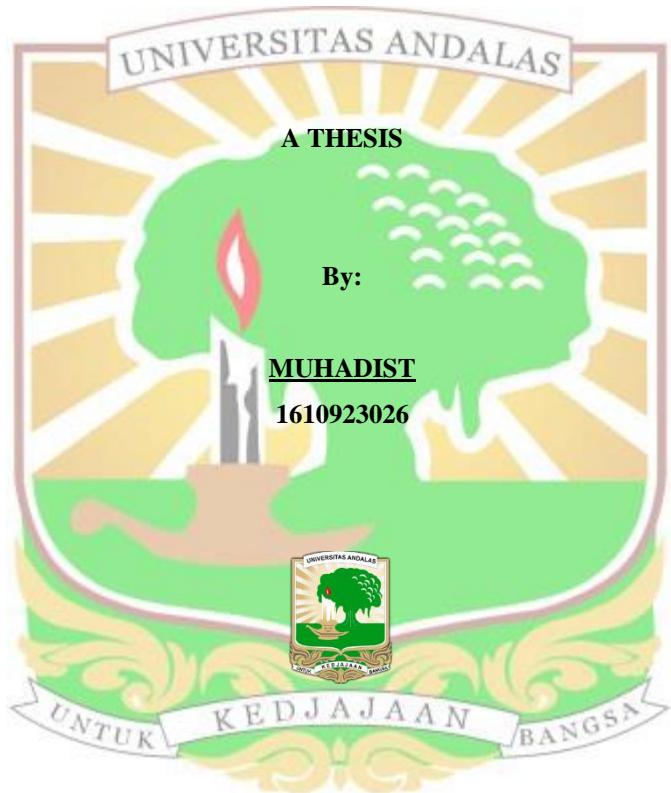
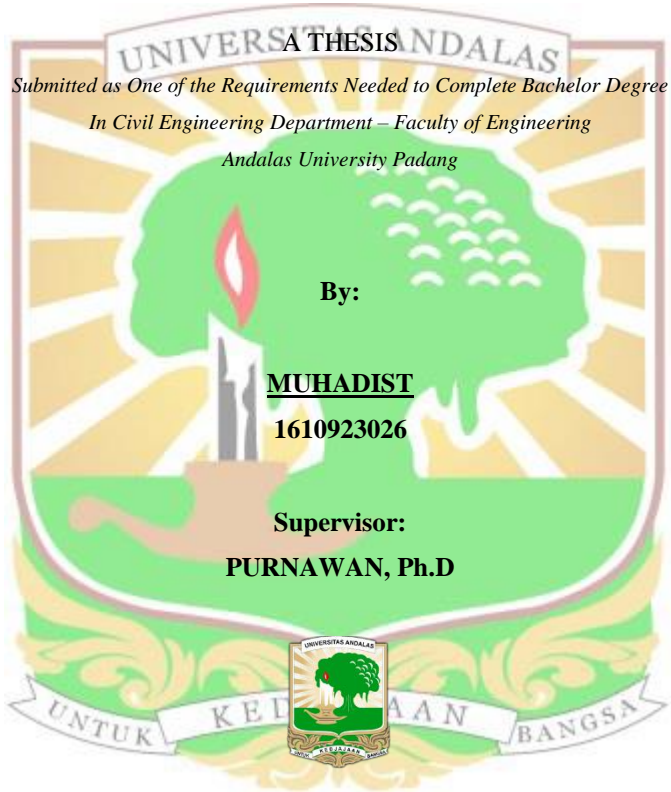


**THE POTENTIAL OF IMPLEMENTATION TRANSIT-
ORIENTED DEVELOPMENT (TOD) ON PADANG – KAYU
TANAM RAILWAY CORRIDOR**



**CIVIL ENGINEERING – FACULTY OF ENGINEERING
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ABSTRACT

Padang is the capital of West Sumatera Province, so many people go to Padang to do their activity. This phenomenon results in the high movement that occurs in Padang. As we see so many traffic jams that occur on the specific point in Padang every day. Transit-Oriented Development (TOD) is a solution that can be used in Padang to reduce the problem of traffic jams. Padang already has a railway corridor that can be developed on this TOD concept. The railway corridor that can be developed is Padang Railway Station and Kayu Tanam Railway Station. If this railway corridor can be connected well and fulfill the requirement of the TOD concept, the traffic jam problem can be reduced. On this research, to obtain the potential implementation of the TOD concept in the Padang-Kayu Tanam railway corridor, several TOD criteria will be matched with the criteria in the station location. For each criterion, given options and scores: score 4 (Meet the standard), score 3 (Not meet the standard), score 2 (Land Available for Development), score 1 (Land is Not Available for Development). From the data analysis, from 8 stations in total, only Padang Station, Alai Shelter, and Air Tawar Shelter that fulfill this criterion. From this research came the conclusion that the Padang-Kayu Tanam railway corridor can not implement the concept of TOD for now. To implement this TOD concept later, each station must complete the recommended TOD components that are given.

Keywords : *Potential, Implementation, Railway Station, Transit-Oriented Development.*