

## ABSTRACT

Name : Marc Jeremy Djauhari  
Study Program : Urban and Regional Planning  
Title : The Influence of Mixed-Use Development Characteristics on Vehicle Attraction and Movement Patterns.

Land use and transportation are interconnected and have significant impacts on each other. Activities in land use, such as the development of mixed-use development (MXD) areas, contribute to increased attraction and generation of vehicle movements in the surrounding areas. MXD has become a trend in urban development to create vibrant, diverse, and sustainable areas by integrating various functions and activities in one place.

However, the positive impact of MXD on active transportation choices, such as walking, cycling, and public transportation, needs to be balanced with efficient transportation planning. Traffic congestion issues in areas such as Podomoro City, Kuningan City, and Mall of Indonesia indicate the need for improved planning and traffic flow control to address the surge in vehicle volume. Furthermore, high urbanization rates and the growth of motor vehicles in cities like Jakarta are major factors causing transportation problems. MXD development must consider the high attraction and generation of movements while also considering the existing road capacity. Efforts to achieve sustainable communities and reduce the negative impacts of reliance on motor vehicles should be a priority in MXD area development.

To address transportation issues related to land use and vehicle growth, further research on the influence of MXD characteristics on the attraction and generation models of vehicle movements is crucial. The findings of this research can serve as a basis for decision-making in area development and help design more effective transportation planning to create sustainable and comfortable environments for communities.

Keyword: Mixed Use Development, Traffic Movements, Jakarta