

## **ABSTRACT**

FADHILATUL IHSAN. Landscape Planning of Pariaman City West Sumatera Province based on Tsunami Mitigation. Supervised by QODARIAN PRAMUKANTO.

Pariaman is a coastal city in West Sumatera. Coastal area of West Sumatera lied on vurnerable area of two continental plates of Eurasian and Indo-Australian plates and passed by Semangko fault line as well. Based on the index map Threats Tsunami in Indonesia by the National Disaster Management Agency (BMKG), the coastal area of West Sumatra is an area of the tsunami hazard. The purpose of this study is to arranging landscape plan of Pariaman City based on tsunami mitigation. The method used in this study consists of five phases starting from the preparation, inventory, analysis, synthesis, and landscape planning. The spasial analysis was conducted to determine the level of tsunami hazard in Pariaman City which are consist of sensitivity analysis, analysis of vulnerablility, and risk analysis to tsunami. The factors that used in analysis are seismicity, elevation, slope, coastal morphology, land use, distance from the shoreline, and the distance from the river. The results of analysis show that some area of Pariaman City has classified into high tsunami hazard area. By developing those three zone based on concept of space, concept of activity, concept of facilities and concept of sirculation can be proceeded a landscape plan.

Keywords: landscape planning, Pariaman, tsunami mitigation.