DESIGN DEVELOPMENT OF LAKE NGIPIK AS TOURISM OBJECT IN INDUSTRIAL AREA

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ABSTRACT

Lake Ngipik created as the impact of clay mining to supply raw material for cement industry in Gresik. Mining exploration that lasted for years create overdraft in the landscape and forming a lake by rain. Post-mining rehabilitation on this case study being done by changing land function from mining area into a tourist attraction. Discussion of this study including aspects of tourism, landscape inside industrial area, and water as an element for design inspiration. These aspects are used in order to generate design criteria and concepts of Ngipik Lake as tourist attraction in accordance with the landscape conditions as former mining areas.

Design begins with qualitative research with field observations to get an adequate information of existing condition through images and data to formulate potential and constraints in the location. Literature and design precedent used as comparison in converting former mining area as tourist attraction, and about building and master plan typology in waterfront area. The results of data analysis in form of design criteria that determining concept and design exploration.

Results obtained in form of design facilities to support water sport activities. The “L” building shape to avoid wind from the northeast that could carry industrial pollutants, a curved line building as a symbol of flowing water movement and landscaping that used water as the main design element. Design expected to provide an alternative model of tourist attraction that create natural ambience for the tourist inside industrial area.

Keyword : industrial area, tourist attraction, lake, water recreational