

ABSTRACT

Ngampilan is an area with high population density with limited land. The transfer of many settlements that violated the rules in the riverbanks area caused a slum impression in the RW.02 area. At RT.10,11 and 12 it hangs behind the facade of a tall building so that the comfort of space is not fulfilled. Regarding the problem raised in this design is how to recommend flats on the banks of the Winongo river with the approval of ecological architecture.

The method for obtaining data uses primary data obtained from observations and interviews. Secondary data is by studying literature related to flats, ecological architecture and river bank planning. Flats planning uses concepts from the components of ecological architecture, namely lighting and ventilation. Design testing is done by using outodesk flow design simulation tests for breathtaking and archicad for lighting. The results of the design of flats that are designed by natural lighting, natural ventilation and river bank planning

Keywords: Flats, Ecological Architecture, Winongo River banks.