

## ABSTRACT

*LiveHome is a website-based application that facilitates users in finding accommodations and landlords in reaching a wider market. In the process of developing the LiveHome website, software modeling needs to be carried out. The focus of the research is to create modeling that is easily understood by users, stakeholders, and the development team. The modeling in this research uses an Object-Oriented approach focused on the application of Unified Modeling Language consisting of Use Case Diagrams, Activity Diagrams, Class Diagrams, and Sequence Diagrams. From the modeling design conducted in this research, it is hoped that the development of the LiveHome website can be carried out effectively and in accordance with user needs.*

**Keywords:** *LiveHome, modeling, Object-Oriented, Unified Modeling Language.*