

## **Abstract**

*The need for a house is often used as a source of investment for property entrepreneurs which of course produces an investment that cannot be underestimated. Each house price must have a price that varies depending on the type, model, trend, and other external factors so that unpredictable prices appear. This problem makes home business people not know when to buy and when to sell. In this project using Machine learning Designer with Regression model to perform data processing, clean missing data, normalize data, and split data. The data modeling used is Linear Regression Technique in Designer. Measurement and analysis resulted in April 2015 onwards the trend of house price predictions will increase, namely a reversal to the nearest resistance point of a price. Measurement and analysis of house conditions related to bedrooms, floors, and bathrooms in the entire period (July 2014 – April 2015) had fluctuating conditions, namely some were very good and some were not. Measurement and analysis of house conditions related to bedrooms and bathrooms in the period 22 March 2015 – 05 April 2015 had the best conditions compared to other periods. Measurement and analysis of the condition of the house related to the living room and basement of the house in the period 26 October 2014 – 02 November 2014 had the best condition compared to other periods.*

**Keywords:** Azure, Machine Learning Regression, Linier Regression, Power BI