

## **ABSTRACT**

*Research on the use of distillators has been carried out in several conditions by Hadani (2016), Anjas (2018) and Eriz (2018). But no one has analyzed it by making a model, therefore in this study modelling the rate of absorption and thermal desorption on water in a distillator. In this study also carried out experiments by heating water directly or conduction, to find out and compare the trends of the rate of absorption and thermal desorption of water with the distillator. Modelling is done using an analytical method to analyze the graphs of the absorption and desorption thermal rate of water to complete the model.*

*Keywords: Distilator, modelling, absorption, desorption, analytical methods, graphics.*