Abstract

The impact of water droplets on droplet time is a phenomenon in nature that is implemented in the industrial world, where the contact time between droplets and surfaces affects the transfer of mass, momentum and energy. To manipulate and reduce the contact time of droplets that influence, previous publications report adjustments to surface microstructure that affect the interface of the droplet surface. In this final project simulation, we will discuss water droplets using the mechanical energy model and linear least square method, in the first part the writer will show the surface elasticity also affects the impact of droplets, where droplets on the surface of taro leaves can cause reflections In the second part the writer will explain about mechanical energy modeling to make a simulation of a model that affects water droplets. In the third part, the writer obtained the results of linear least square method. The discussion of this least square method linear model will be related to problems in the industrial world.

Keywords: Water Droplet, Mechanical Energy,Linear Least Square Method,Taro Leaves.