

Eko Suyoso , design and experiment cabin of blast freezer scale household to cool fish nuggets at a thousand islands, faculty mechanical engineering , university of jakarta, January, 2016.

research design and experiment blase freezer cabin aims to determine the value of temperature generated the cabin blase freezer, which is used to cool the nuggets, as well as the distribution of air in the cabin can be good distributed blase freezer .and determine the ratio of software testing and experiment testing.

in this research the temperature achieved in the test was 35% celcius, a model that was made was a model A and model B has a difference in layout position of the evaporator and fan .This method used was experimental method.

the results achieved in this research is a computational value of the temperature and density of wind speed then get the value of manual calculations are taken in an experiment testing software testing get the temperature in model A of -34.1% C, and the B model reaches a temperature - 36% C, the experimental testing on the model A get value of the temperature reached -10.8% C and the B model reached -18.2% C, it becomes the reference position from which to get optimal temperature.

Key words: cabin design, blase freezer, finite element simulation based fluids.