Abstract

Till now, most of melinjo developing industries still use conventional way in producing melinjo chips. Based on survey.

That the researches have done, the conventional one is the simple easiest and efficient way. Last year, a melinjo pressing machine with hydraulic system which is aimed to make the melinjo chips production easy has been created by Muhammad Nur Harfianto and Taqwim Ismail. However, the machine has weakness that lead the researchers to develop the function of the machine and to make it more optimum and efficient.

The structure of the machine uses hydraulic system as operator system and rolling / extruder screw which helps in grinding process. The researches analyze that the cylinder used is 40 mm with pomp capacity is $Q = 3.24 \text{ cm}^3/\text{rev} \times 1400 \text{ rpm} = 4.778 \text{ liter/ minute} = 0.08 \text{ liter/second}$

Key Word: Press, hydraulic