Software I use this time is Catia V5R20. Some of the important steps in the design using Catia Greenhouse is as follows:

1. Make beds (Plot planting of some crops)

From the above calculations, a score that:

Number of beds: 14 lines

In one of beds: 71 polybag (plant)

* + Open Catia> Start> Mechanichal Design> Part Design> file name into beds
  + Picture specify the image area to be created> plane XY
  + Draw a circle in the middle, give the dimensions using Constraint
  + Give 350> exit workbench.
  + Extrude using Pad features a 400
  + Then you need to do is to array of beds by the way: Polybag click the form, and then click the array
  + Enter the value 71 at Instance 71, and the spacing 500, then input references based on XY axis
  + Save the file with the name bedengan.catpart

1. Creating a greenhouse wall

Use dimensions as on the optimization results. Then draw as shown below:

Extrude using Pad, rate 3680

Punch a hole through the wall using the Shell feature, click on the top and bottom, then enter the offset value of 150 (the greenhouse wall thickness)

Next door is a hole.

Click on the outer wall to be perforated, then click the sketch to start making a pattern of holes.

Create a rectangle on the wall, then exit workbench.

Make a hole in the pocket feature, input dimension (kedalaan hole) 150

Save the file, and name dinding.catpart

1. Make piles main and side

With the same method to make the walls and beds (feature array) to form a picture like this:

1. Creating the roof and roof top greenhouse

Using the same method with the second method (make a box), make a greenhouse roof in accordance with the calculation of the dimensions of you.

1. Make side concrete (foundation greenhouse) \

Create a picture like this using shell features, pad, and offset

1. Combine all parts using assembly design features.
   * Go to start> mechanical design> assembly design
   * Choose Insert> Existing Components> then click on "Product" in the chart on the right layer.
   * Do the same thing to all the parts required are displayed on the screen
   * Adjust the position of all the parts by using the "manipulation" and "snap". Manipulation is used to shift, rotate the object based on the X, Y, or Z. While the "snap" is a feature that is used to attach two objects based on the field, line, ataupin rotary axis of the object.
   * Once everything is set, the greenhouse will look like this:
   * Perform image rendering using render feature, click on the background to select or choose a custom background if you want to use a template as you wish. Click OK.
   * When all is ready, do rendering by clicking the camera icon image.
   * Wait until the process is completed (baiasanya takes 30-60 minutes)
   * Save the results of rendering, click the floppy disk icon.
2. Plot or Drafting Drawing I will explain tomorrow. (Because I want to sleep first, sleepy) hehehe

Hopefully useful and good luck J