**Mathematical Modeling For Process**

Data for estimation :

R

r

Figure 1. Simple sketch of ginger

Assume :

1. The ginger shaped into balls
2. The concentration of oleorecin inside bulk solvent are homogent relative to the center of ginger (at r = 0)

**Pemodelan Matematis**

Let A = oleorecin compound

* Mass balance of A compound in the ginger

... (1)

IC, t = 0 ;

BC:

t = t; r = 0,

t = t; r = r,

* Mass balance of A in the bulk fluid

... (2)

IC, t = 0 ;