

ABSTRACT

Hydroponic farming at this moment has been use automation system to help facilitate the work of people, but still used electricity from State Electricity Company as a source of energy at this moment becomes thin, could not be renewed and the cost is expensive. Just a little use the solar panel as a souce of primary energy and alternative replacement a souce of energy from State Electricity Company. Smart Solar Power Plant Unit use solar panel as a source of primary energy to hydroponic. Smart Solar Power Plant Unit has hybrid system namely a system has two flow electricity energy, electricity energy from solar panel and electricity energy from State Electricity Company that will flow switch in automatic if voltage from solar panel down.

keyword : Smart Solar Power Plant Unit, Hybrid System, Switch