

## 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*