

Thesis Title	Simulation Electricity Production System from Solar Cell for Housing
Credits	12
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Abstract

The objective of this study is to investigate the Simulation Electricity Production System from Solar Cell for Housing with PVSYST program. The simulate electricity production system of solar cells was used solar panels Monocrystalline silicon, Polycrystalline silicon and Amorphous silicon to fix the angle of solar panels at 15, 30 and 45 degrees. The electricity power quantity in one year producing duration was determined. The angle of solar panels Amorphous silicon at 15 degrees shows the best result. Efficiency of electricity production is the best. Moreover, the comparison of actual results and experimental results of the PVSYST showed that the error of program was 2.59 percent.

Keywords: Simulation/Solar Cell