

ABSTRACT

Energy is a basic need for humans whose life continues to increase. Utilization of solar energy as a source of electrical energy. The duration of spraying is 1 minute or 60 seconds and the resulting water discharge is $0.0293 \text{ m}^3/\text{s}$, the maximum power that enters occurs at 11.00 at an angle of 40° of 73.07 watts and the minimum power that enters occurs at 14.00 at an angle 80° of 06.48 watts, the average power generated at each angle is $0^\circ = 31.68$ watts, $40^\circ = 47.41$ watts, $80^\circ = 29.14$ watts. Watering schedule at 09.00-09.01 WIB and 16.00-16.01 WIB.

Keywords : Solar Energy, Power, Angle Tilt, Watering Schedule