ABSTRACT

Distilator design is one of the factors that influence the level of evaporation on a distilator. Therefore, distilator needs to be designed as well as possible so that maximum water production is obtained. In this study, a distillator roof variation has been carried out. The distilator basin was also modified by adding a mirror reflector. In this study distilator testing was carried out on a laboratory scale using two bulb lamps whose energy emissions were considered constant. 33 ppt salt water seals are made by mixing bottled water with salt. The use of additional mirrors caused water production to increase by 36.5%. In addition, the use of the roof with 35^o angle to produce more water compared with the roof of 30^o and 40^o.