

ABSTRAC

Prototype lawnmower use diesel fuel cell. Guided by Zahir Zainuddin and Adriani. Diesel fuel cell represents conversion of energy sun become electric energy able to be exploited by various appliance of termaksud field lawnmower and also garden. In this scheme use some appliance that is panel of surya, battery of control unit, accumulator as source of energy for machine, while control of cutter machine of long distance use arduino, wereles ps2 joystick, and motor driver. Target of in this scheme is to exploit cell of surya as electric energy at lawn mower and control of machine of long distance use remote. Result of examination of appliance show yielded tension at panel of surya mean 12,8 volt with condition of accepted by light intensity is panel of surya mean 53200 lux and speed of motor cutter of machine 1299 rpm. For controlled by distance is maximal remote 3 metre. this Prototype lawn mower can be used in field .

Keyword: Diesel Fuel of Cell, Lawn Mower, Joystick PS2 Wereles