PROJECT ALAT 2023

1. Farhan Fakhrezi :(JUDUL: PERANCANGAN ALAT WATER LEVEL CONTROL PADA KOLAM RUMAH SARANG BURUNG WALET MENGGUNAKAN MIKROKONTROLER BERBASIS IOT

(ketinggian air : penuh 55cm, sedang 30cm, dan hampir habis 15cm)

- [ ] Node mucu

- [ ] sensor jarak

- [ ] sensor suhu dht 11

- [ ] servo besar

- [ ] keran air

- [ ] kabel usb

- [ ] kabel jumper

- [ ] box alat

- [ ] pompa

- [ ] mekanik ruangan dan kolam burung walet

2. Tyas R N Lk - rancang alat ukur getaran menggunakan sensor strain gauge (IOT)

- [ ] Node mcu

- [ ] lcd + 12c

- [ ] box alat

- [ ] kabel jumper

- [ ] kabel micro usb

- [ ] Soket 12 volt

- [ ] sensor CO (GETARAN)

- [ ] Modul Node Mcu

3. Rian / Chiko lk - Alat Pakan dan minum bebek Leadscrew

- [ ] nodemcu

- [ ] servo

- [ ] lcd

- [ ] module 12c

- [ ] kabel jumper

- [ ] kabel micro usb

- [ ] sensor suhu

- [ ] motor dc

- [ ] leadscrew

- [ ] bearing

- [ ] Mekanik Las

- [ ] sensor jarak/sensor infrared

- [ ] limit swift

- [ ] button / swift on off

- [ ] pompa

- [ ] Arduino Uno (minta ditambahkan krna dijudul ada)

- [ ] Nut housing

- [ ] T Nut

- [ ] Shaft flexibel coupler

- [ ] Soket Dc

4. Andreas Setyawan LK - SCANER RFID 125Khz

- [ ] SCANER RFID 125Khz

- [ ] KARTU 125KHZ

- [ ] ESP32 dengan RDM3600 sebanyak 2 unit utk mendeteksi rfid tag

- [ ] ESP32 dengan NEO6MV2 mengambil koordinat gps

- [ ] box alat

- [ ] kabel jumper

- [ ] kabel micro usb

- [ ] Soket 12 volt

5. Bintang Prabhaswara - Pembangkit listrik tenaga air (OFFLINE)

- [ ] sensor tegangang

- [ ] sensor flow meter 3/4

- [ ] generator dv 12 volt

- [ ] dc step up

- [ ] charge controler

- [ ] ic7805

- [ ] sc card module

- [ ] sd card 4 gb

- [ ] kipas dc 12 volt (tidak jadi pakai)

- [ ] turbin

- [ ] pipa pvc

- [ ] rumah turbin

- [ ] batrai 12 Ah

- [ ] arduino uno

- [ ] sensor Rpm

- [ ] lcd TFT diganti menjadi lcd 16x2 + 12c

- [ ] Sensor Arus

- [ ] soket dc 12 volt

- [ ] adaptor 12 volt

6. Siti Azzahra - Alat Pengering Singkong IOT BLIYNK (JUDUL DI TOLAK)

- [ ] Node mucu / ESP8266 / Wemos D1 mini

- [ ] kabel usb

- [ ] kabel jumper

- [ ] lcd

- [ ] module 12c

- [ ] box alat

- [ ] soket 12 volt

- [ ] kabel soket 12 volt

- [ ] adaptor 12 volt

- [ ] sensor suhu Max 6675

- [ ] fan

- [ ] heater

- [ ] buzer

7. Akmal Ahmadi - Pemipil jagung berbsis iot (apk android)

- jaringan modem buatan sendiri

- adaptop buatan sendiri

- [ ] motor dinamo pabrikan

- [ ] Node mucu

- [ ] kabel usb

- [ ] kabel jumper

- [ ] lcd

- [ ] module 12c

- [ ] box alat

- [ ] Relay 1 Chanel

- [ ] led merah dan hijau

- [ ] buzer

- [ ] sensor load cell

- [ ] motor servo sg90

- [ ] Button / Saklar On/Off

- [ ] mekanik besi & akrilik

- [ ] sensor jarak (mendeteksi jagung/benda jika sudah masuk alat hidup)

8. Bobi LK - Monitoring suhu dan ph air

- [ ]

9. pak tirta - Robot Arm

- [ ] ELEKTRONIK KOMPONEN

- [ ] Stepper nema 17

- [ ] A4988 STEPPER

- [ ] ARDUINO CNC SHIELD

- [ ] ARDUINI UNO

- [ ] MG996R SERVO

- [ ] LIMIT SWITCH

- [ ] DC POWER SUPPLY

- [ ] MEKANIK KOMPONEN

- [ ] ARM ROBOT (PRINT 3D)

- [ ] 4X SMOOTH ROD SHAFT 10MM 400MM

- [ ] 1X LEAD SCREW 8MM 400MM

- [ ] 4X LINEAR BEARING 10MM

- [ ] 1X THRUST BALL BEARING 40X60X13 MM

- [ ] 5X RADIAL BALL BEARING 8X22X7 MM

- [ ] VARIOUS LENGTHS M3, M4 DAN M5 BOLTS AND NUT

10. Fakhrul Aziz Lk - Pengontrolan Ph Air Kolam Ikan

- [ ] Node mucu

- [ ] kabel usb

- [ ] kabel jumper

- [ ] lcd

- [ ] module 12c

- [ ] box alat

- [ ] soket 12 volt

- [ ] kabel soket 12 volt

- [ ] adaptor 12 volt

- [ ] Sensor ph

11. Nur Zianah LK - Alat Pemberi Pakan Ayam Petelur Otomatis Berbasis Iot (model leadscrew)

- [ ] nodemcu

- [ ] servo

- [ ] lcd

- [ ] module 12c

- [ ] kabel jumper

- [ ] kabel micro usb

- [ ] sensor suhu

- [ ] motor dc

- [ ] leadscrew

- [ ] bearing

- [ ] Mekanik Las

- [ ] sensor jarak/sensor infrared

- [ ] limit swift

- [ ] button / swift on off

- [ ] Nut housing

- [ ] T Nut

- [ ] Shaft flexibel coupler

- [ ] Soket Dc

12. fitria hadi nata lk - Aplikasi monitoring rpm dan poirsure dengan android berbasis bluetooth

- [ ]

13. Fikri LK - Prototype Level Crossing Control Barrier atau palang pintu kereta api otomatis berbasis atmega328

- [ ]