

LAMPIRAN



Lampiran 1

Script Code secara keseluruhan

```
import RPi.GPIO as GPIO
import time
import telegram
from datetime import datetime

GPIO.setmode(GPIO.BCM)
bot =
telegram.Bot(token="618059371:AAFvYQpZlG2QRbyzMPZ5JymoI
yE-Q_04ySQ")
GPIO.setwarnings(False)
GPIO.setup(23, GPIO.IN)
GPIO.setup(2, GPIO.OUT)

servo = GPIO.PWM(2, 50)
servo.start(12.0)

try:
    time.sleep(2)

    while True:
        if GPIO.input(23):
            GPIO.output(2, True)
            time.sleep(0.5)
            GPIO.output(2, False)
            print("Gerakan terdeteksi...")
            print "pesan dikirim pada
            "+datetime.now().strftime('%H:%M:%S.%f')[:-
            4]
```

```
bot.send_message(chat_id="449176385", text=
"burung mulai menyerang")
GPIO.setup(18,GPIO.OUT)
GPIO.output(18,GPIO.HIGH)
time.sleep(1)
GPIO.output(18,GPIO.LOW)
print "pesan diterima pada
"+datetime.now().strftime('%H:%M:%S.%f')[:
-4]
servo.start(1.0)
for i in range(0,181,10):
    servo.ChangeDutyCycle(3 + 10 *
        i / 45)
    time.sleep(0.02)
    time.sleep(0.2)
time.sleep(0.1)
except:
    GPIO.cleanup()
```

The logo of Universitas Muhammadiyah Ponorogo is a large, semi-transparent watermark in the background. It is a shield-shaped emblem with a purple border. Inside, there is a yellow sunburst with Arabic calligraphy in the center. A green and white floral garland curves around the sunburst. The words "UNIVERSITAS MUHAMMADIYAH" are written in white capital letters along the top inner edge, and "PONOROGO" is written along the bottom inner edge. Two white stars are positioned on the left and right sides of the bottom edge.

Lampiran 2

Gambar Perangkat Prototype



