LAMPIRAN

Script Program Karya *Kinetic Art*

```
#include <Servo.h>
#include <DFPlayer_Mini_Mp3.h>

Servo servoa;
Servo servob;
Servo servoc;
Servo servod;
Servo servoe;
Servo servof;

int g;
int a = 90;
int b = 90;
int c = 90;
int d = 90;
int e = 90;
int f = 90;

SoftwareSerial mySerial(10, 11);
void setup () {
  servoa.attach(3);
  servob.attach(5);
  servoc.attach(6);
  servod.attach(9);
  servoe.attach(10);
  servof.attach(11);
}
```

```
{
 Serial.begin (9600);
 mySerial.begin (9600);
 mp3_set_serial (mySerial);
 delay(10);

 mp3_set_volume (25);
 delay(10);
 mp3_play ();
 delay(10);
 mp3_play (1);
 delay(10);
}

void loop () {
delay (1000);
 for (pos = 30; pos <= 180; pos += 1) {
 servoa.write(pos);
delay(25);
}

delay (1000);
 for (pos = 180; pos >= 30; pos -= 1) {
 servoa.write(pos);
delay(25);
}

delay (1000);
 for (pos = 0; pos <= 180; pos += 1) {
```

```
 servob.write(pos);
delay(25);
}

delay (1000);
 for (pos = 180; pos >= 0; pos -= 1) {
 servob.write(pos);
delay(25);
}

delay (1000);
 for (pos = 0; pos <= 180; pos += 1) {
 servoc.write(pos);
delay(25);
}

delay (1000);
 for (pos = 180; pos >= 0; pos -= 1) {
 servoc.write(pos);
delay(25);
}

delay (1000);
 for (pos = 0; pos <= 180; pos += 1) {
 servod.write(pos);
delay(25);
}
```

```
delay (1000);
 for (pos = 180; pos >= 0; pos -= 1) {
 servod.write(pos);
delay(25);
}

delay (1000);
 for (pos = 0; pos <= 180; pos += 1) {
 servoe.write(pos);
delay(25);
}

delay (1000);
 for (pos = 180; pos >= 0; pos -= 1) {
 servoe.write(pos);
delay(25);
}

delay (1000);
 for (pos = 0; pos <= 180; pos += 1) {
 servof.write(pos);
delay(25);
}

delay (1000);
 for (pos = 180; pos >= 0; pos -= 1) {
 servof.write(pos);
delay(25);
}
```

```
delay(5000);
 for(g = 1; g < = 30; g++){
 a++;
 b--;
 c++;
 d--;
servoa.write(a);
servob.write(b);
servoc.write(c);
servod.write(d);
delay(50);
}

for(g = 1; g < = 30; g++){
c--;
d++;
servoc.write(c);
servod.write(d);
delay(25);
}

for(g = 1; g < = 30; g++){
 a--;
 b++;
 e++;
 f--;
servoa.write(a);
servob.write(b);
servoe.write(e);
```

```
servof.write(f);
delay(75);
}

for(g = 1; g < = 30; g++){
 c--;
 d++;
servoc.write(e);
servod.write(d);
delay(25);
}

for(g = 1; g < = 30; g++){
e--;
f++;
servoe.write(e);
servof.write(f);
delay(25);
}

}
```