

Nama : Miftahul Huda

POSTTEST 2

NIM : 2209106098

SOURCE CODE

```
float flamesize = 40;

boolean grow = true;

void setup() {
    size(400, 600); //ukuran window preview
    background(0); //warna bg saat program dijalankan pertama kali
    noStroke(); //menghapus stroke pada objek
}

void draw() {
    //warna bg
    background(0);

    //guide posisi x dan y
    fill(255); // Warna teks putih
    textSize(16); // Ukuran teks
    text("X: " + mouseX + " | Y: " + mouseY, 305, 30);

    //nama dan NIM
    textSize(14);
    text("Nama : Miftahul Huda", 10, 30);
    text("NIM : 2209106098", 10, 50);

    // Badan roket
    fill(200);
```

```
rect(170, 300, 60, 150, 10);
```

```
// Bagian atas roket
```

```
fill (255, 0, 0);
```

```
triangle(200, 240, 168, 310, 233, 310);
```

```
// Jendela roket
```

```
fill (0, 100, 255);
```

```
ellipse(200, 350, 40, 40);
```

```
// Jendela bagian dalam
```

```
fill(255);
```

```
ellipse(200, 350, 25, 25);
```

```
// Sirip kiri dan kanan
```

```
fill(150);
```

```
triangle(170, 450, 170, 400, 120, 450); //sirip kiri
```

```
triangle(230, 450, 230, 400, 280, 450); //sirip kanan
```

```
//penghubung badan roket dan api
```

```
fill(120);
```

```
rect(180, 450, 40, 20);
```

```
if (grow){
```

```
    flamesize += 1;
```

```
    if (flamesize > 60) {
```

```
        grow = false; //api mengecil setelah mencapai ukuran maksimal
```

```
    }
```

```
} else {  
    flamesize -= 1;  
    if (flamesize < 40) {  
        grow = true; //api membesar setelah mencapai ukuran minimal  
    }  
}
```

```
// Api roket
```

```
fill (255,140,0);
```

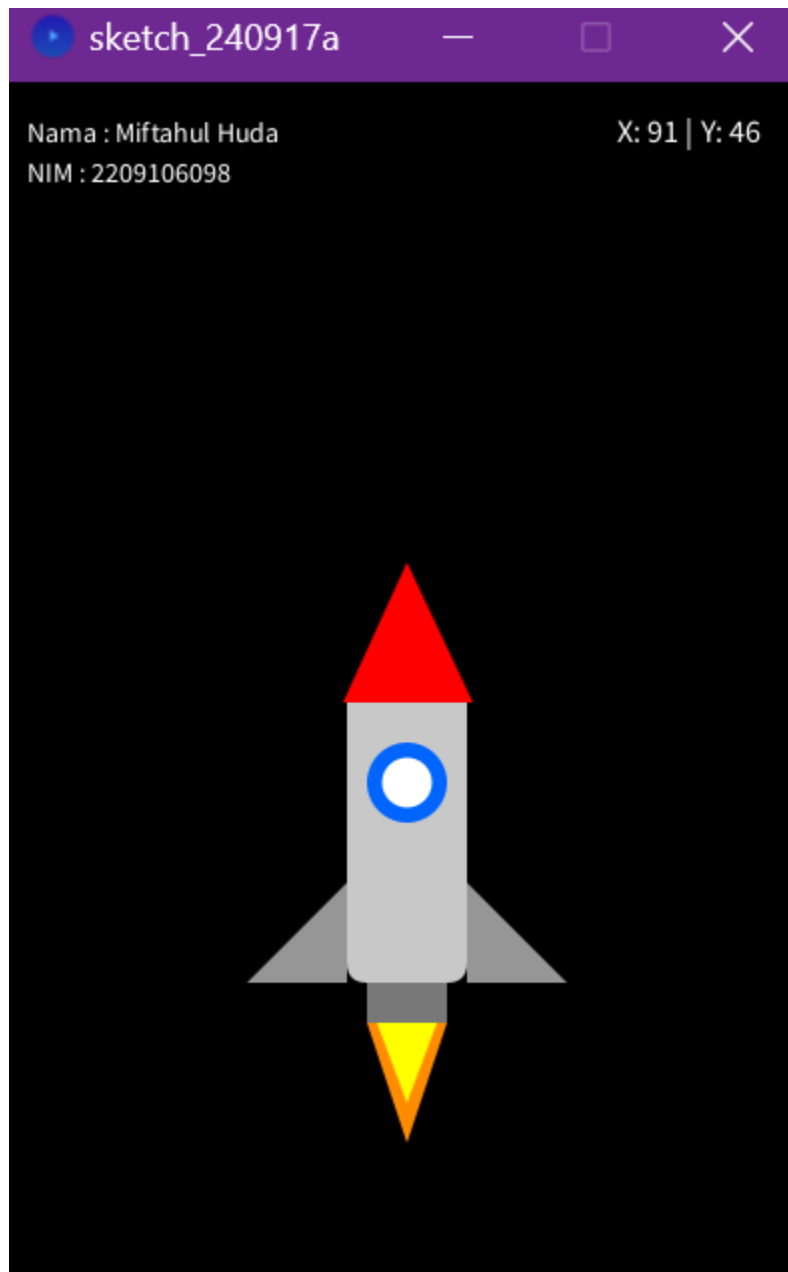
```
triangle(180, 470, 220, 470, 200, 470 + flamesize); //Api Utama
```

```
fill (255, 255, 0);
```

```
triangle(185, 470, 215, 470, 200, 470 + flamesize); //bayangan api
```

```
}
```

SCREENSHOT



DEMONSTRASI

<https://drive.google.com/file/d/13PtpNT6QEmW88sKrkhNt87VAt4s61Nzz/view?usp=sharing>