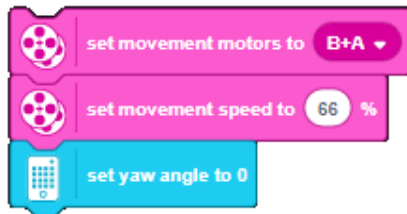
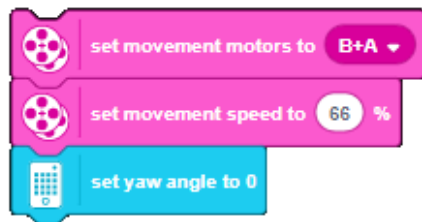
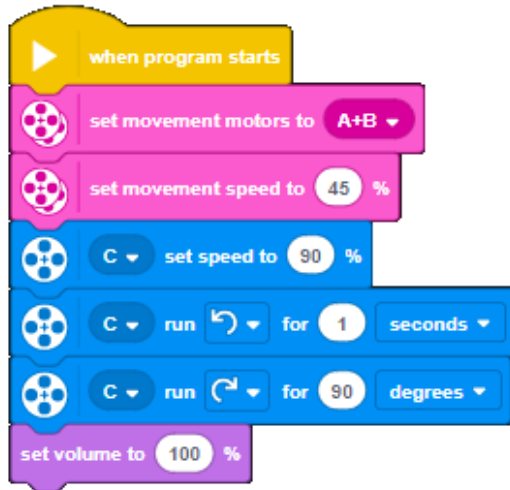
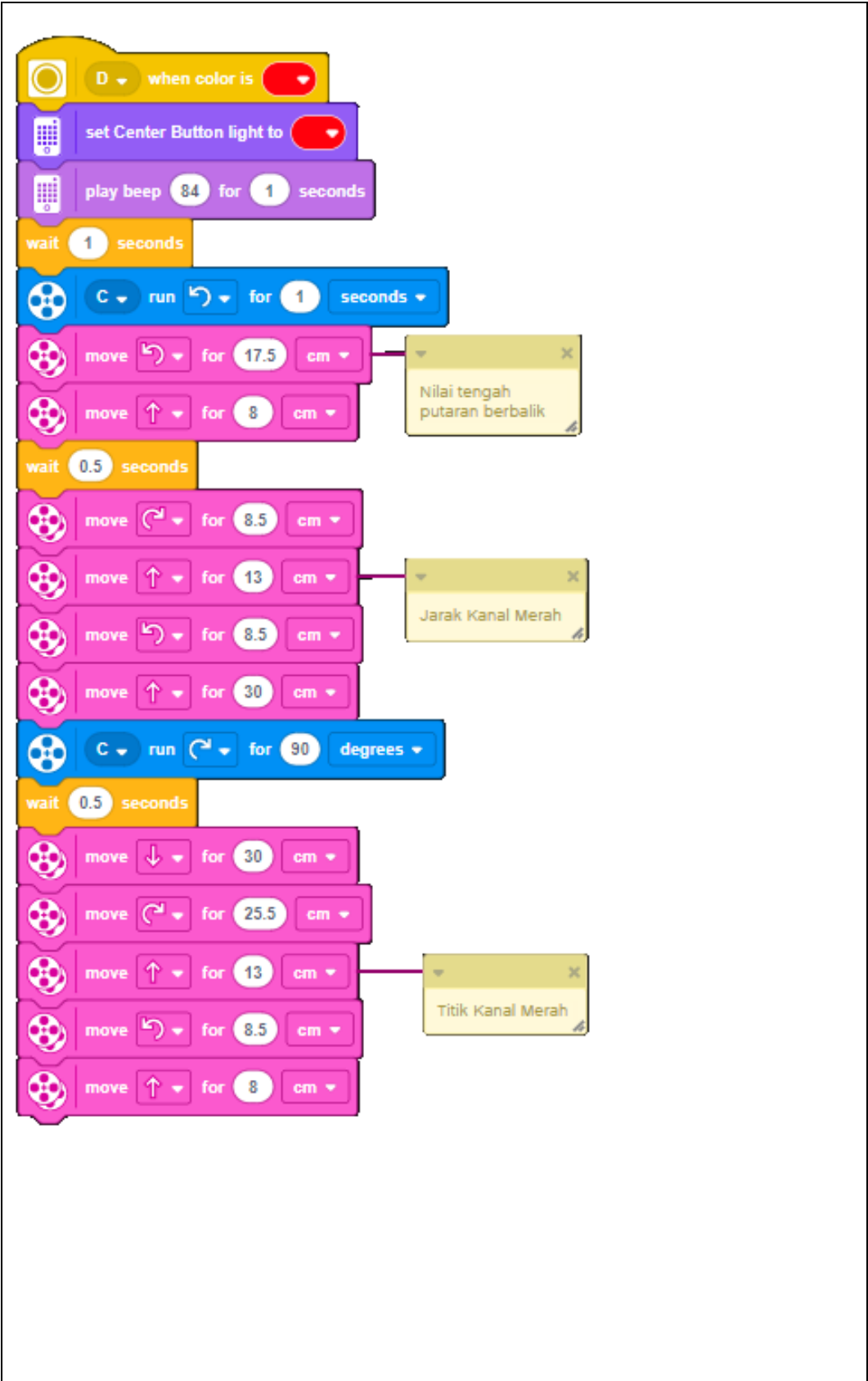
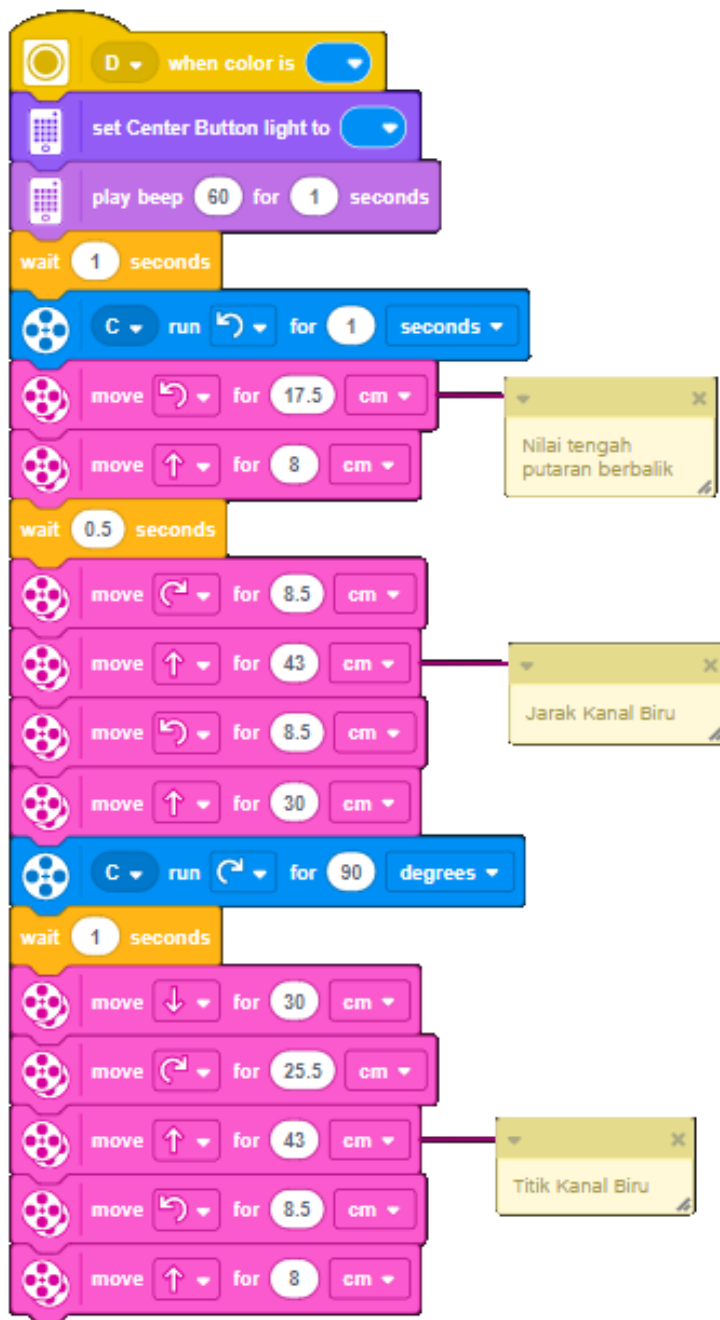


## LISTING PROGRAM







```
when color is green
  set Center Button light to green
  play beep 96 for 1 seconds
  wait 1 seconds
  run for 1 seconds
  move for 17.5 cm
  move for 8 cm
  wait 0.5 seconds
  move for 8.5 cm
  move for 70 cm
  move for 8.5 cm
  move for 30 cm
  run for 90 degrees
  wait 1 seconds
  move for 30 cm
  move for 25.5 cm
  move for 70 cm
  move for 8.5 cm
  move for 8 cm
```

Callout boxes:

- Nilai tengah putaran berbalik
- Jarak Kanal Hijau
- Titik Kanal Hijau

```
define headingTo number or text
  forever
    set sensorYaw to yaw angle
    set setPoint to number or text
    set kp to 2
    set kd to 2
    set error to setPoint - sensorYaw
    set P to kp * error
    set D to kd * error - lastError
    set lastError to error
    if error > -2 and error < 2 then
      stop moving
      stop this stack
    else
      start moving P + D
```

