Materi 7
Mode Penerbangan pada drone Dengan platform Ardupilot

MOOC UNAIR

Merakit dan Mengaplikasikan Robot Terbang/ Drone untuk Pemula dengan Menggunakan Platform Open Source

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Excellence with morality

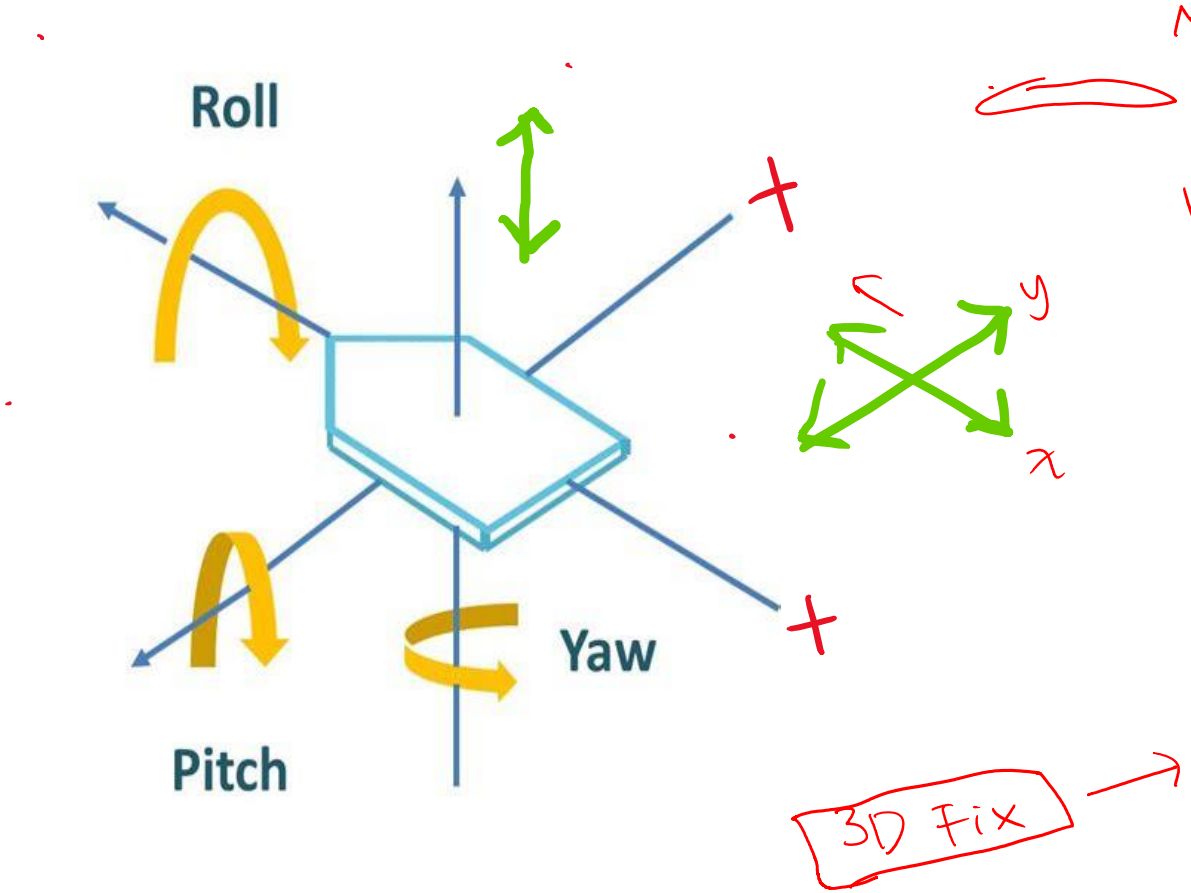
Mode Penerbangan pada drone untuk pemula

- Stabilize
- Alt Hold
- Loiter
- RTL (Return-to-Launch)
- Auto

Mode Penerbangan pada drone untuk pemula

Stabilize Mode

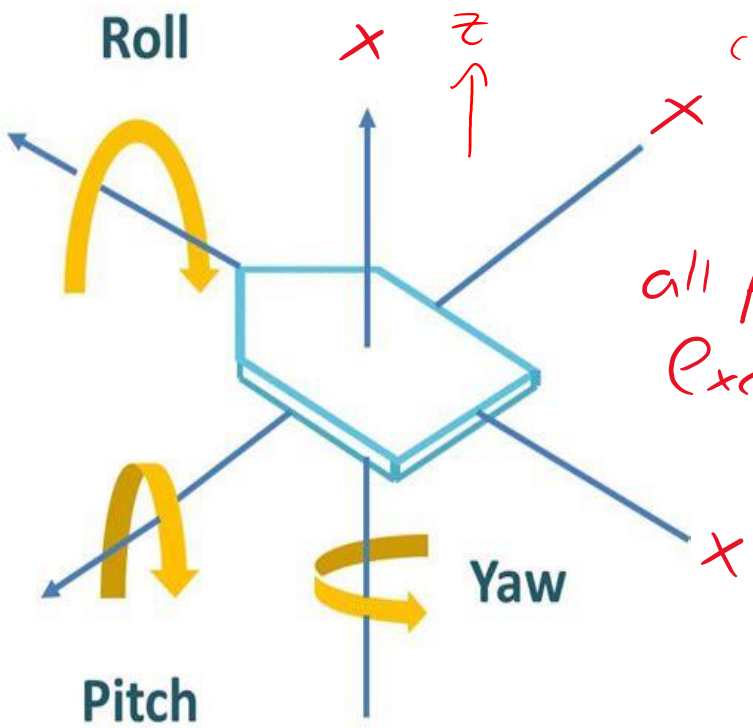
Stabilize mode allows you to fly your vehicle manually, but self-levels the roll and pitch axis.



Mode Penerbangan pada drone untuk pemula

Alt Hold Mode

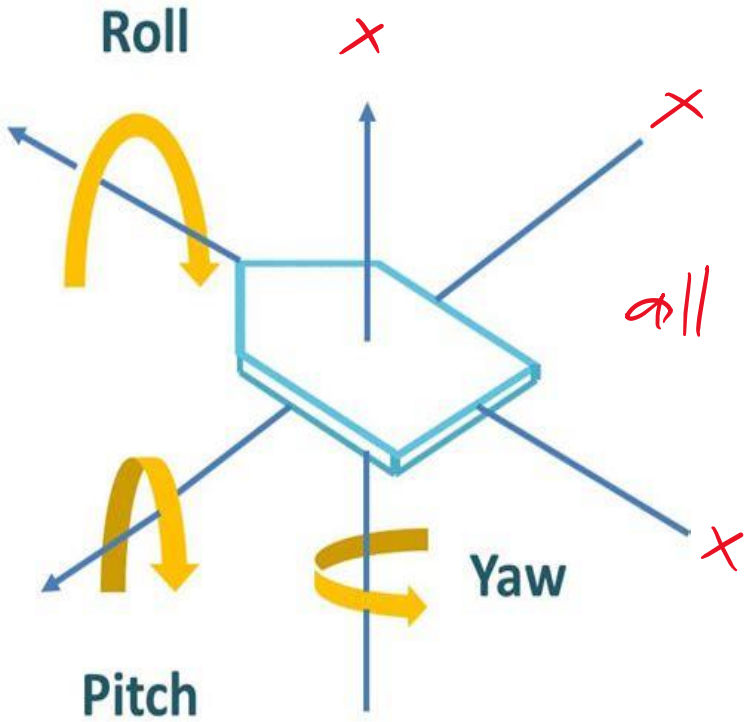
In altitude hold mode, Copter maintains a consistent altitude while allowing roll, pitch, and yaw to be controlled normally



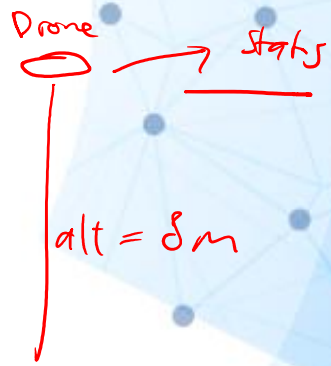
Mode Penerbangan pada drone untuk pemula

Loiter Mode

Loiter Mode automatically attempts to maintain the current location, heading and altitude. The pilot may fly the copter in Loiter mode as if it were in a more manual flight mode but when the sticks are released, the vehicle will slow to a stop and hold position.



all fixed !!

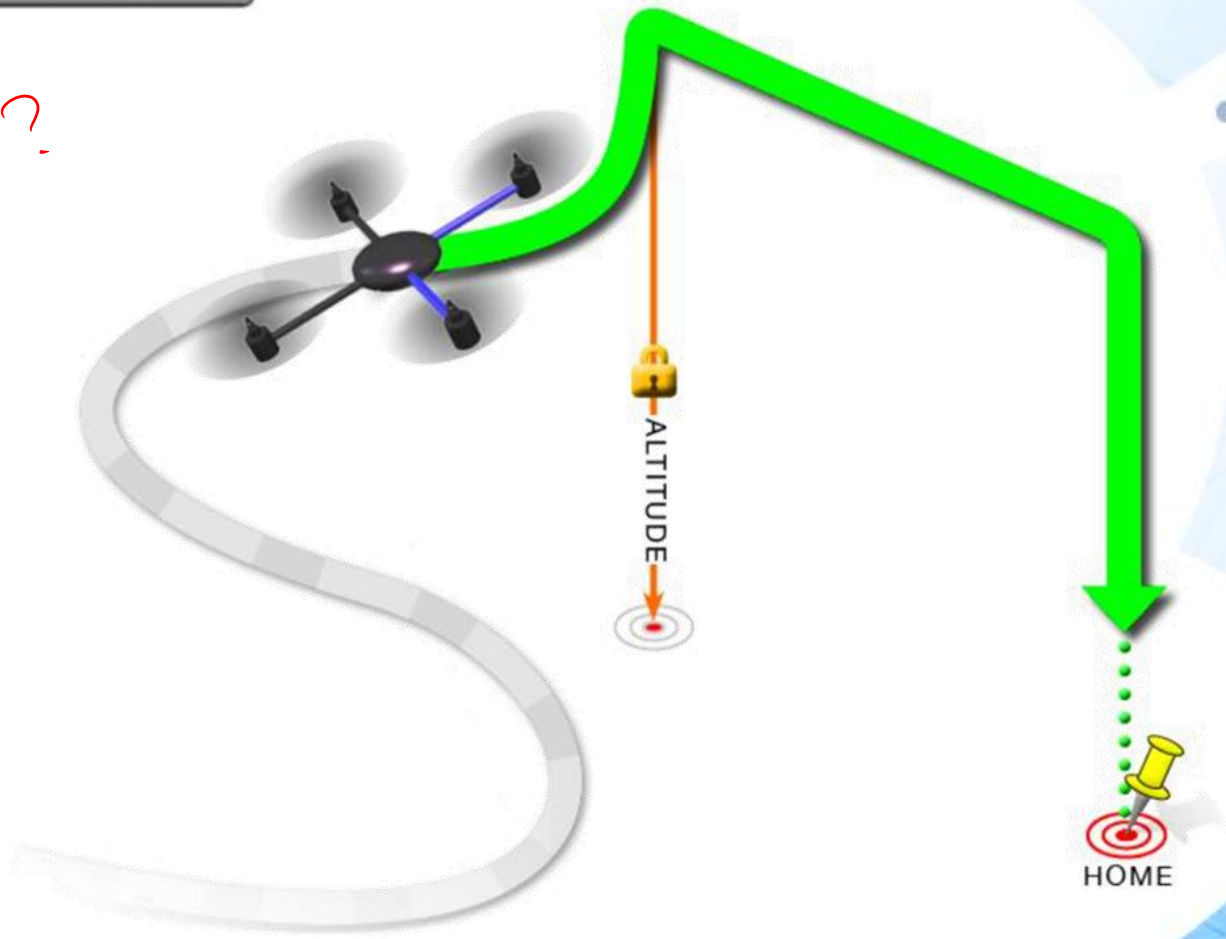


Mode Penerbangan pada drone untuk pemula

RTL

RTL Mode → failsafe ?

RTL mode (Return To Launch mode) navigates Copter from its current position to hover above the home position. The behavior of RTL mode can be controlled by several adjustable parameters.



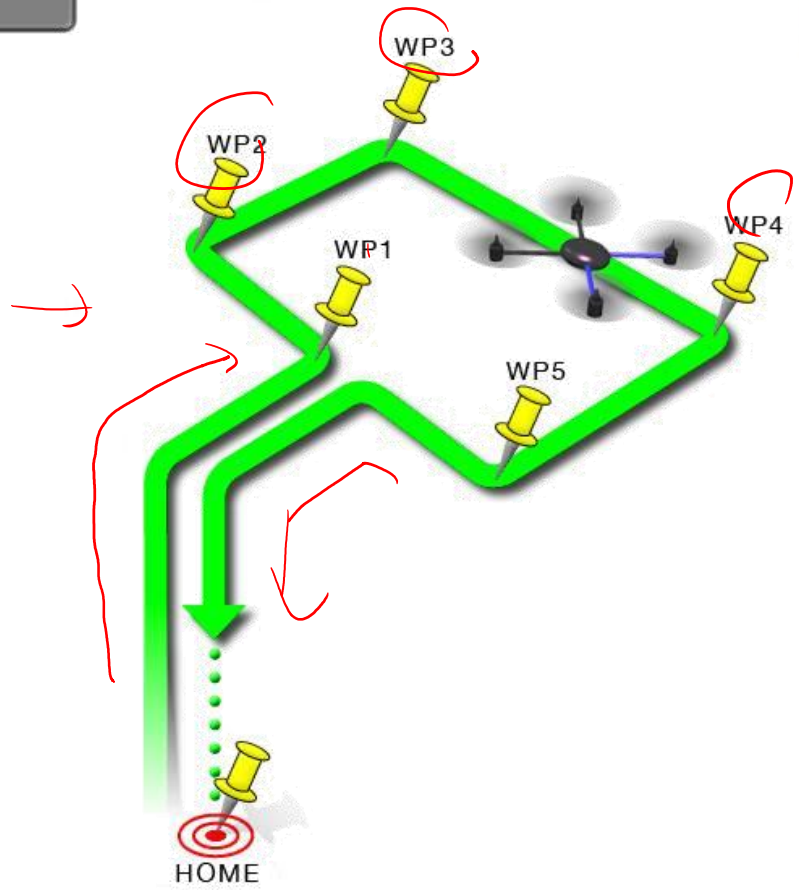
RTL mode requires a reliable position estimate to work properly, most commonly provided by GPS and compass

Mode Penerbangan pada drone (Tingkat Lanjut)

AUTO

AUTO Mode

In Auto mode the copter will follow a pre-programmed mission script stored in the autopilot which is made up of navigation commands (i.e. waypoints) and “do” commands (i.e. commands that do not affect the location of the copter including triggering a camera shutter)



AUTO mode requires a reliable position estimate to work properly, most commonly provided by GPS and compass