

Materi 2

Pengenalan Drone

MOOC UNAIR

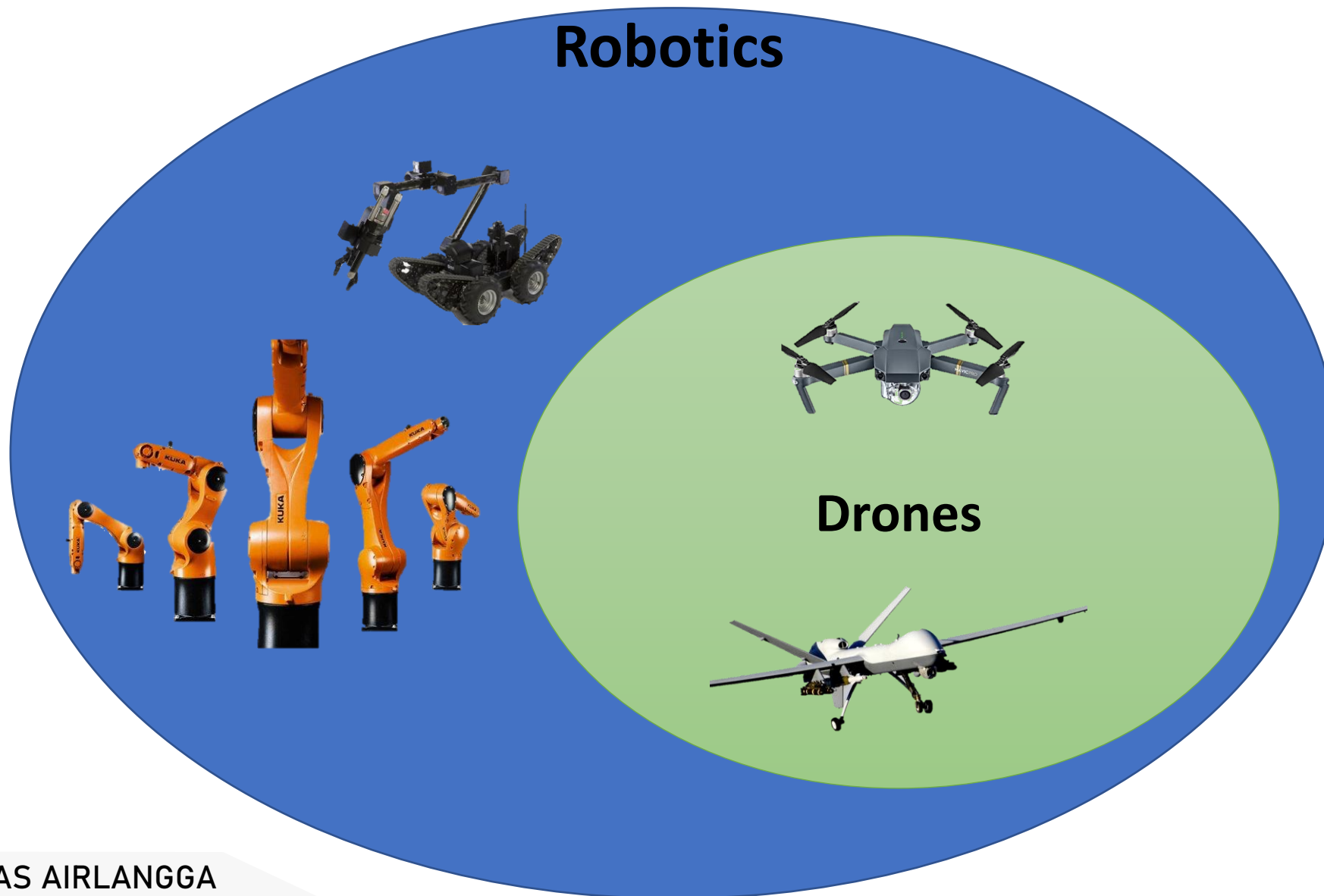
***Merakit dan Mengaplikasikan Robot Terbang/
Drone untuk Pemula dengan Menggunakan
Platform Open Source***



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Drones or Robotics ?



Drones or UAV ??



Fixed Wing UAV



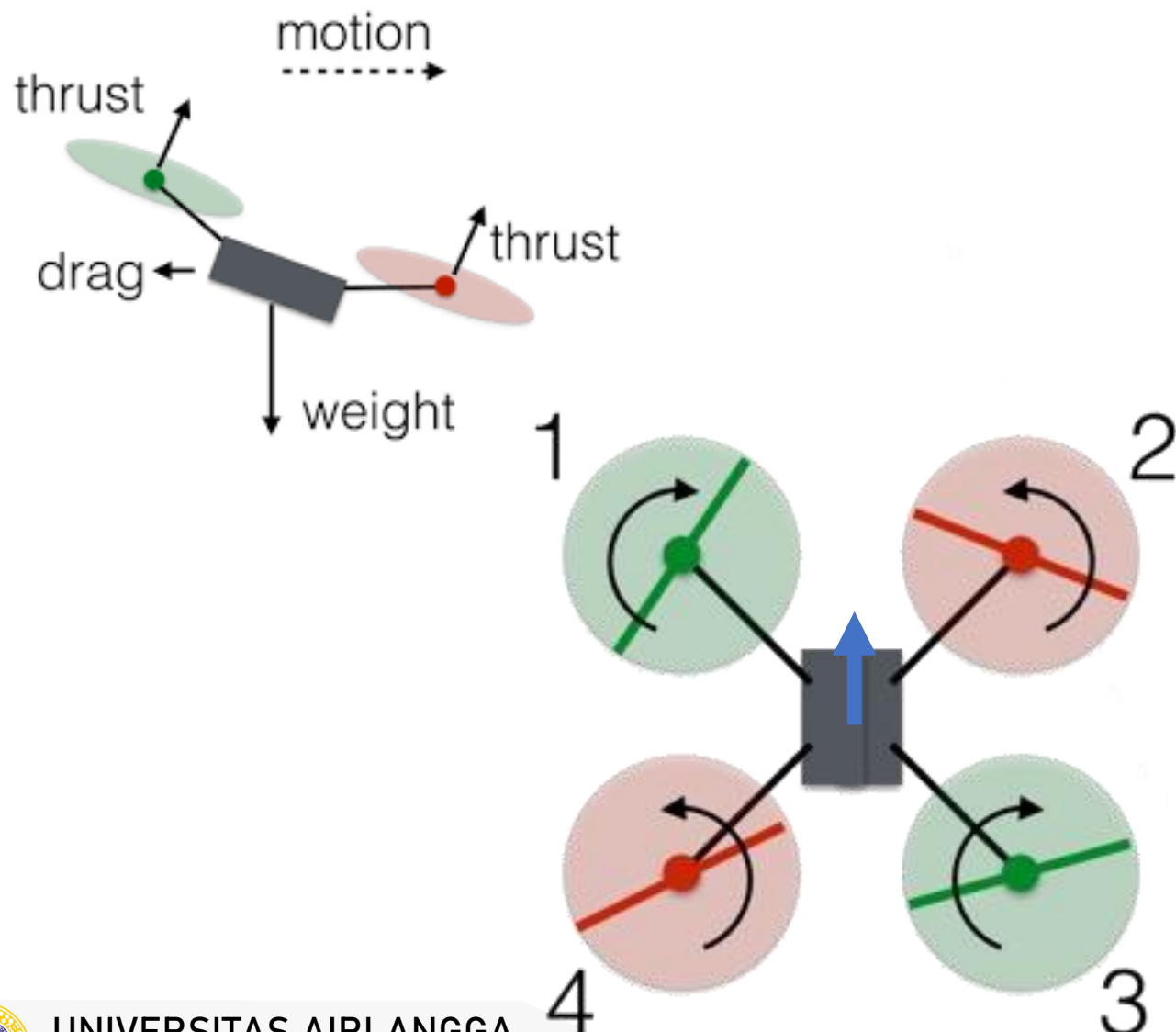
Multirotor UAV



Helicopter UAV

UAV stands for **Unmanned** Aerial Vehicle, something that can fly without a pilot onboard

How Drones Work



Kelebihan:

- Reliable
- Compact
- Low maintenance
- Minimal space untuk take off dan Landing

Kekurangan

- Limited payload
- Limited flight time

Drone Development & Type



De Bothezat Helicopter, 1923



Parrot Ar-Drone 2010



DJI Mavic 3 , 2020

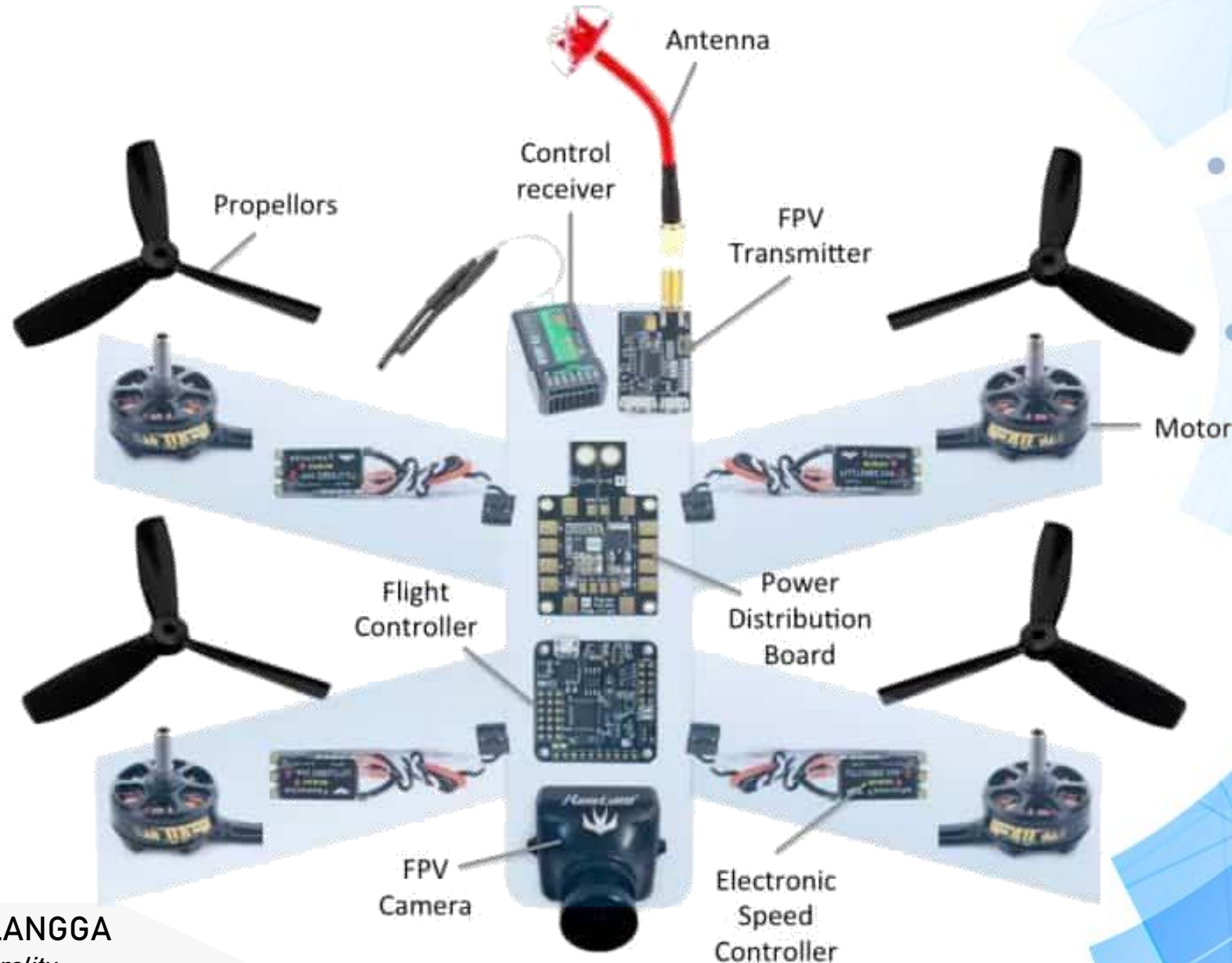


Hobby / Riset / Custom



Mainan

Drone Components (Basic)



Ground Control Station

