



YOLO

(You Only Look Once)

Workshop

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Topik Workshop

Topik workshop ini:

1. Visi Komputer
2. YOLO
3. Eksperimen

Visi Komputer (Computer Vision)

Apa itu Visi Komputer?



AP

Ego Speed: 45.56 MPH
time: 1545.441522000
CAL P 0.60 Y 1.20 R 0.00 deg

Vision fps: 18.05 Draw fps: 17.67 Display fps: 21.34
NL(0.00), E(0.95), F(0.07), TF(0.00), S(0.00)

NRW: FLP(0.00), FRP(0.00)

CutInExcited (Prb 0.56)

+0.0001 AUTO_HIGH_BEAM

+0.0000 BLINDED

+0.0002 RAINING

+0.0000 TIRE_SPRAY

+0.0013 WET_ROAD

0.7902 RESTRICTED

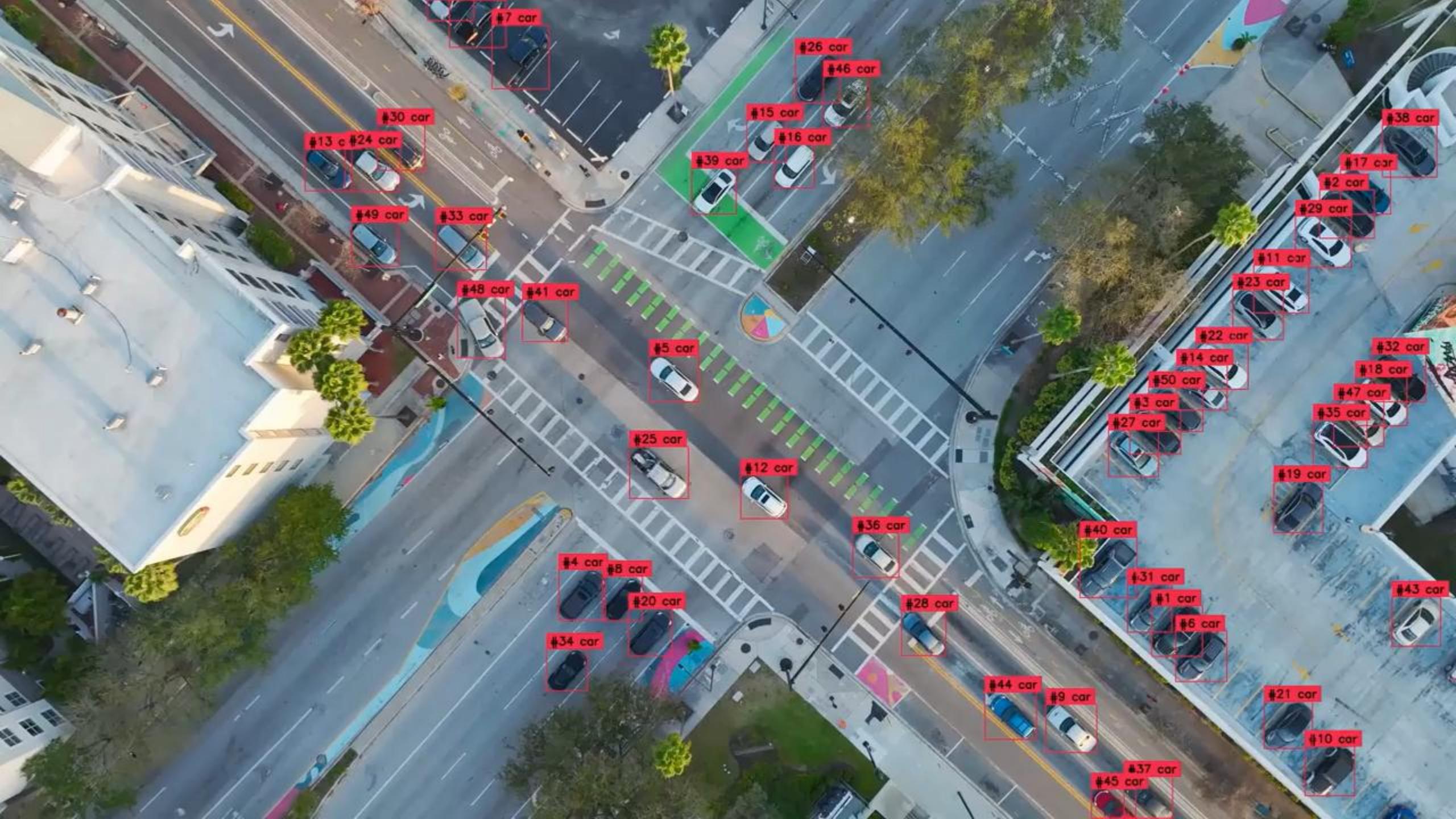
0.0934 CONTROLLED_ACCESS

L:0 R:0 F:2 ON:0 -
W:8.2 AP:1.0 I:0
VS: 46.7 MPH St: 1
merge: 1.0 L 160.2 R



MAIN -







#17 candy 0.73



#5 candy 0.95



in: 0

out: 0

#9 candy 0.77



#2 candy 0.67



#10 candy 0.65



#4 candy 0.66



#11 candy 0.63





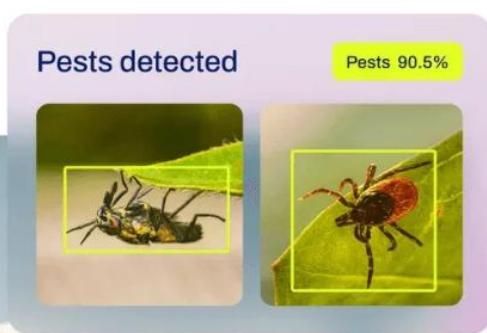
Pass on right only



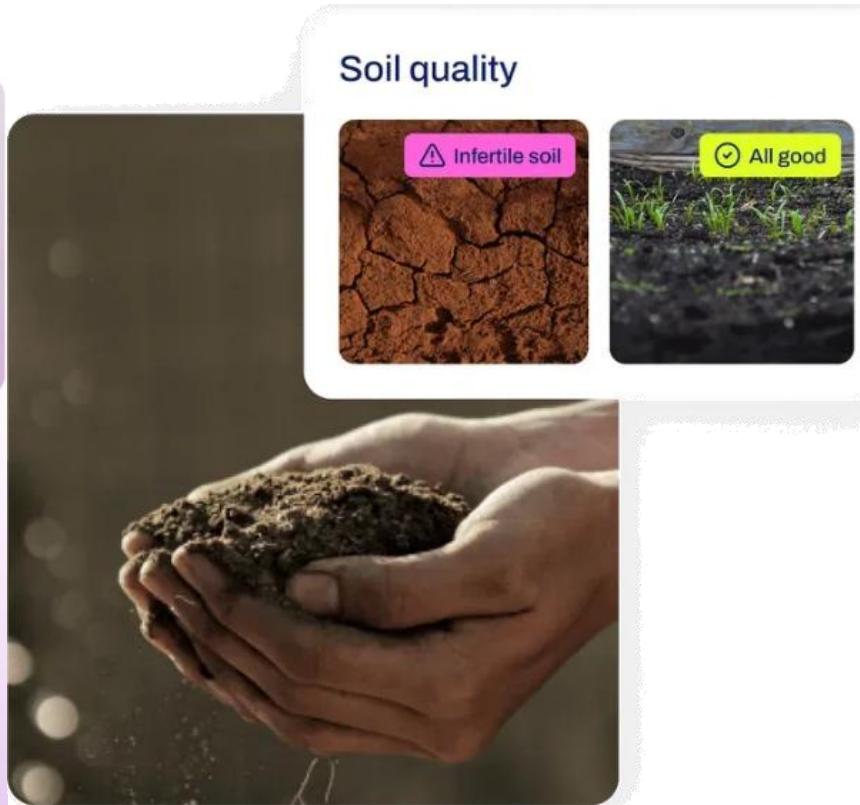
719



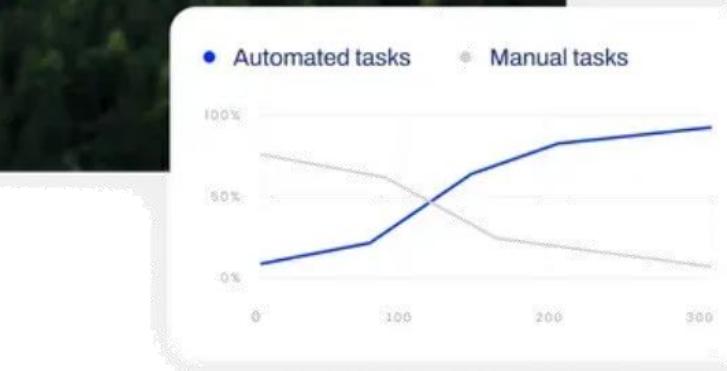
Agriculture



Deteksi Hama

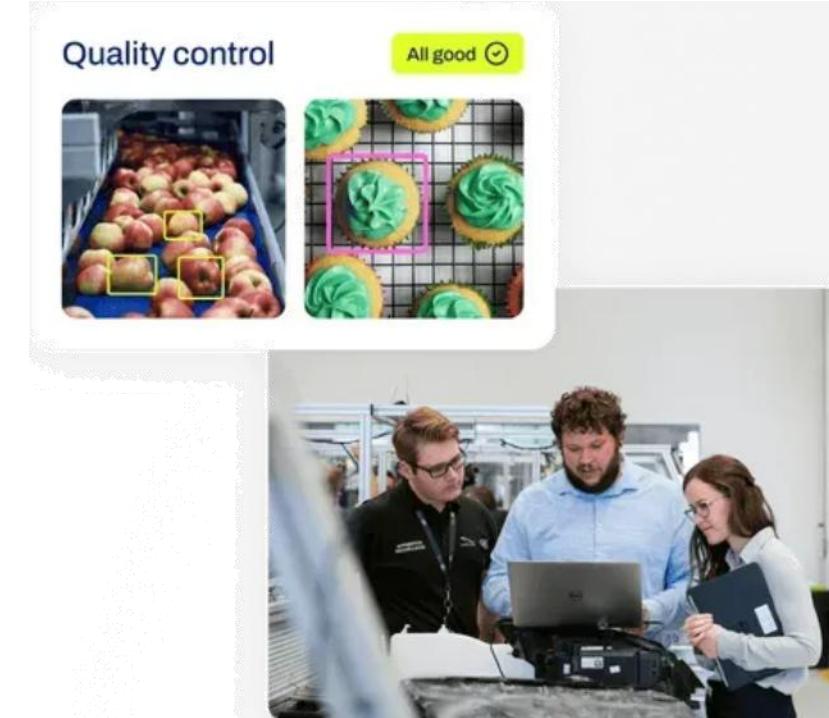
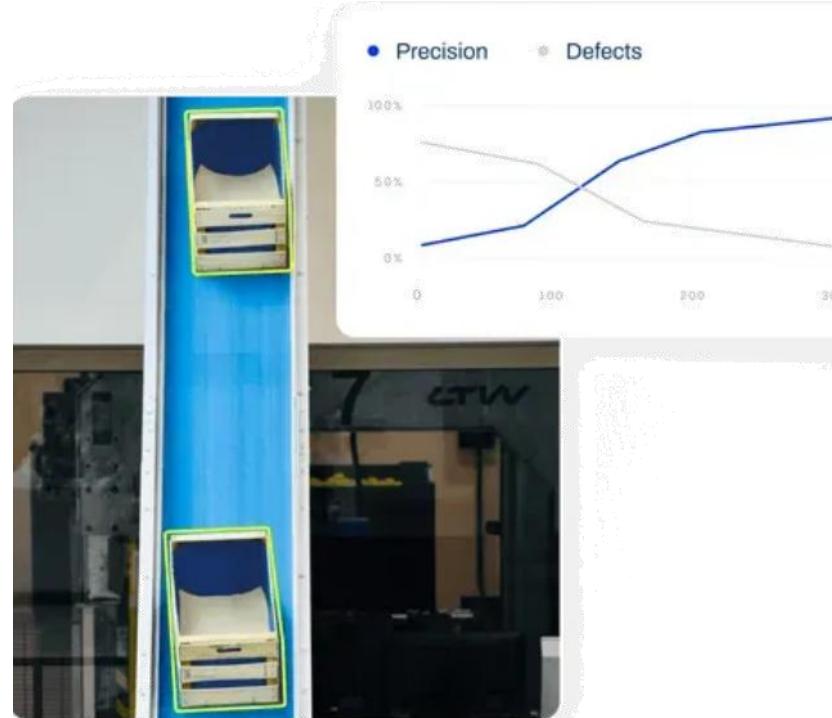
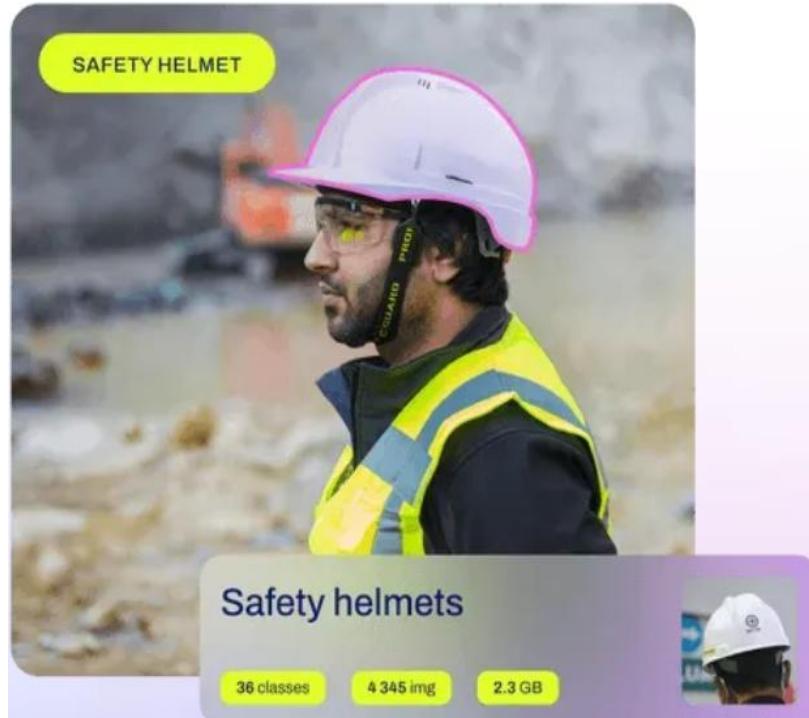


Pantau kualitas tanah



Penggunaan Drone

Industri Manufaktur

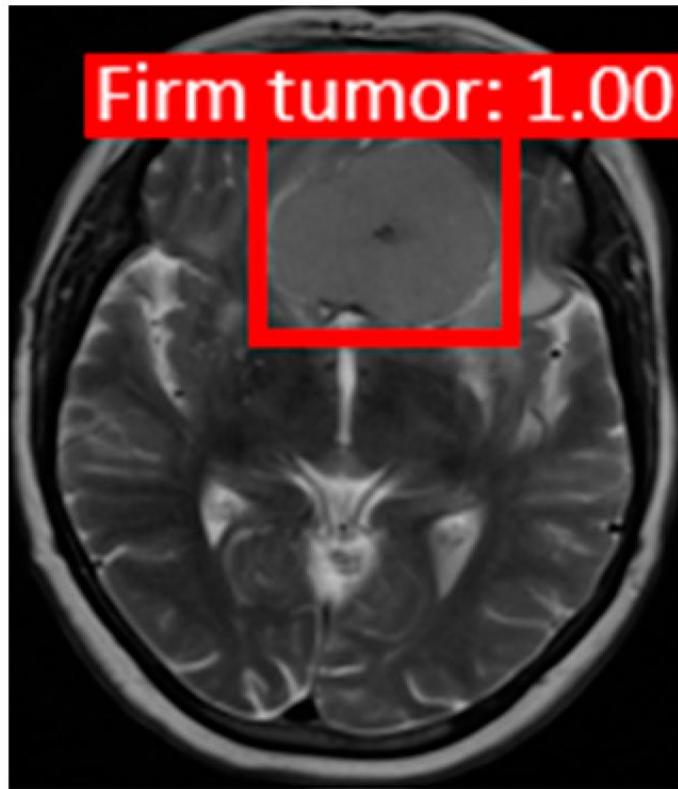


Deteksi Perlengkapan Safety

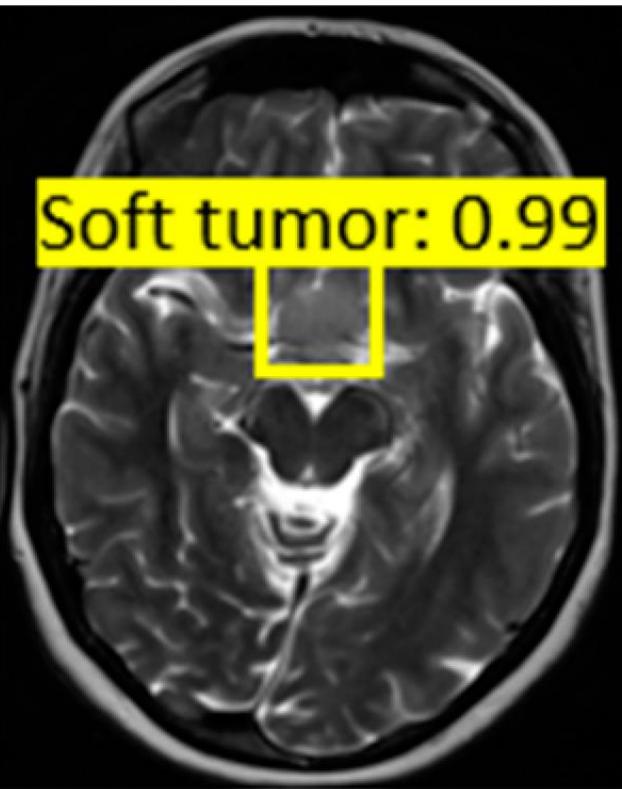
Deteksi produk cacat

Quality Control

Kesehatan



Deteksi Tumor



Lung diseases

33 classes

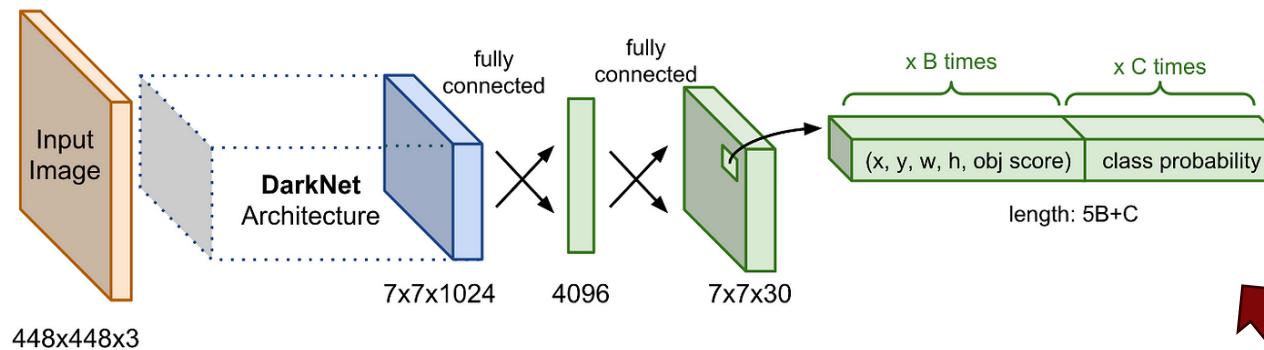
10 345 img

5 GB

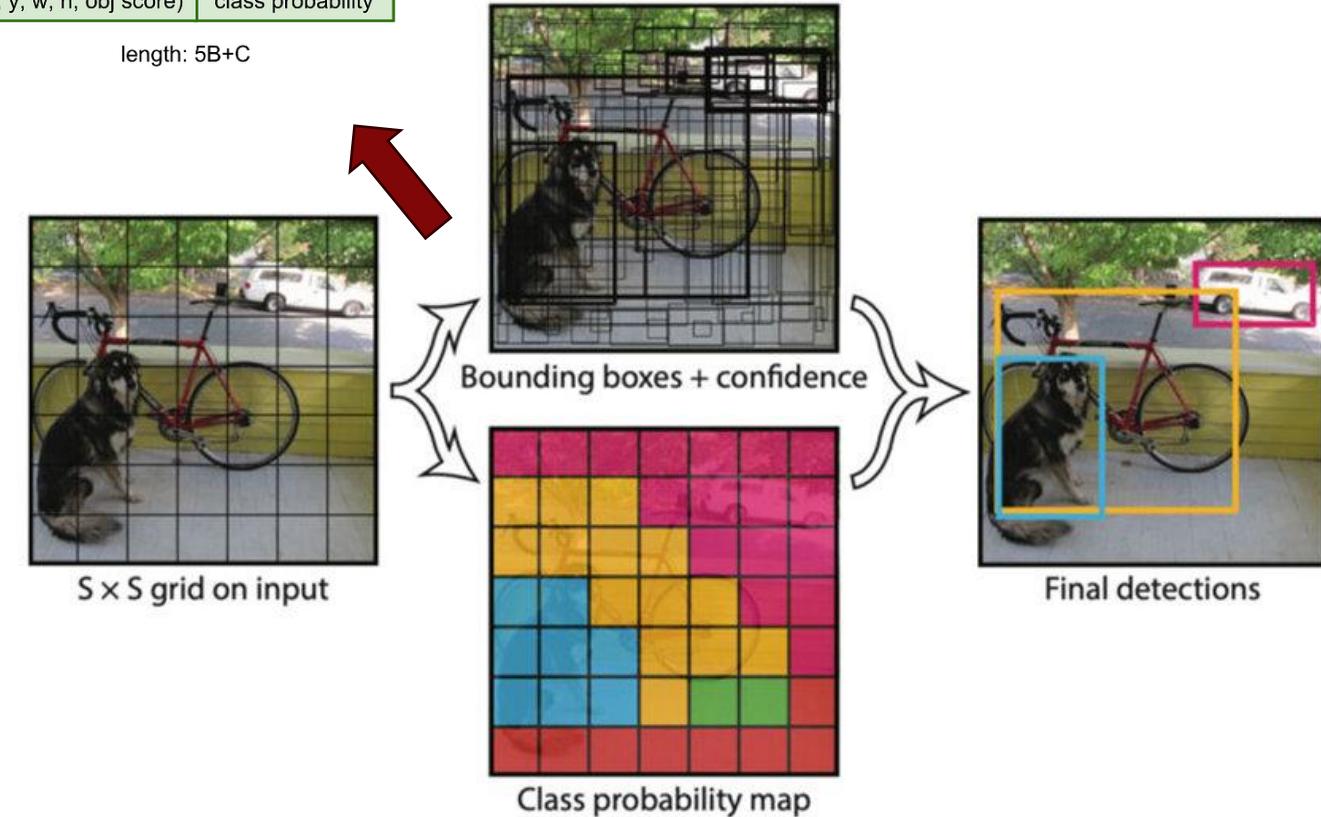
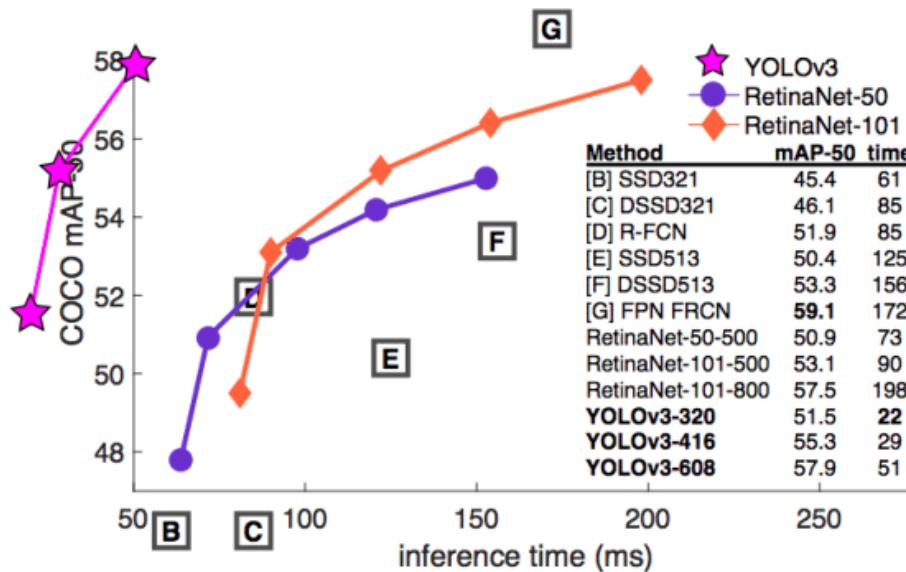


Deteksi Penyakit Paru-paru

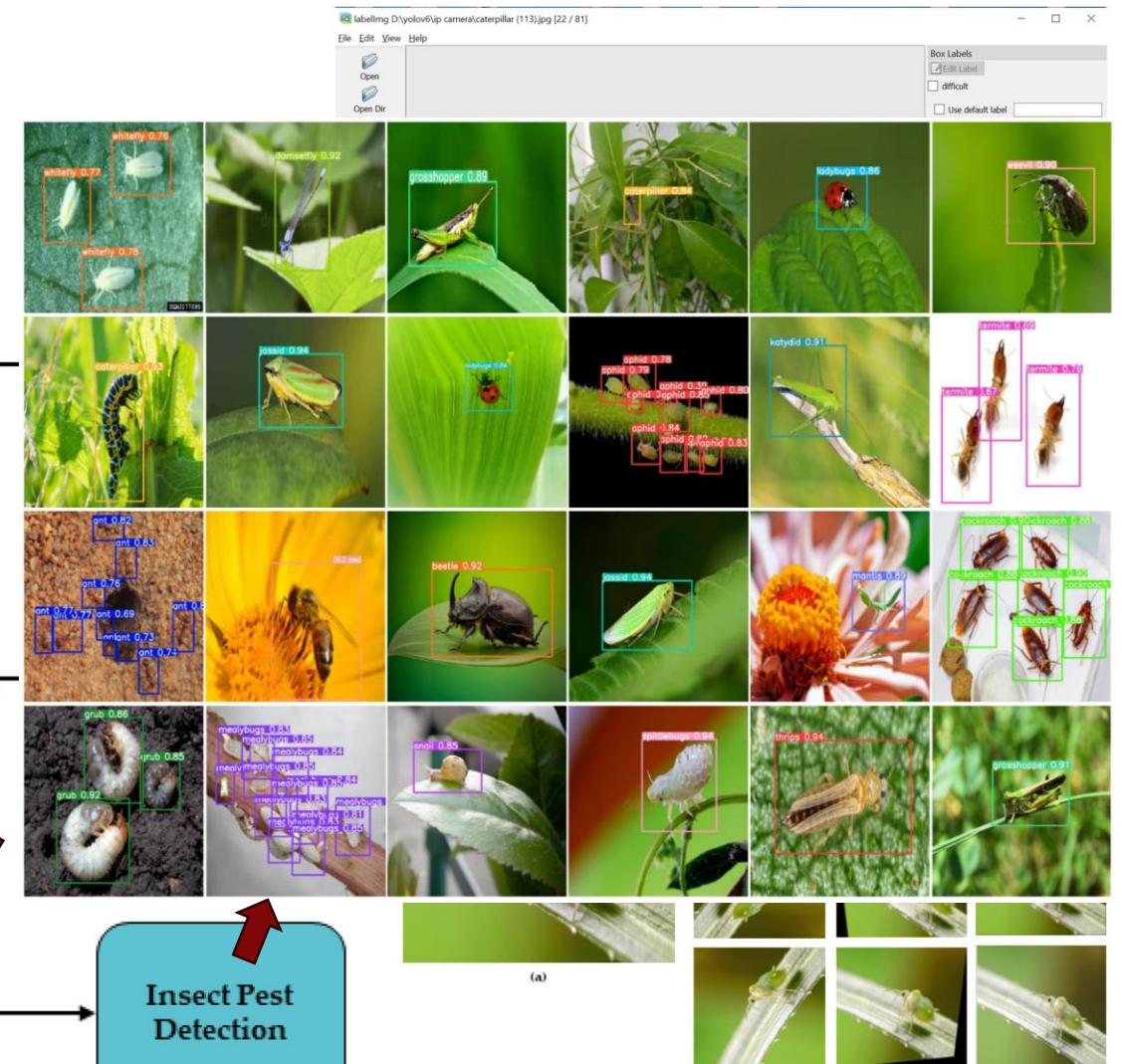
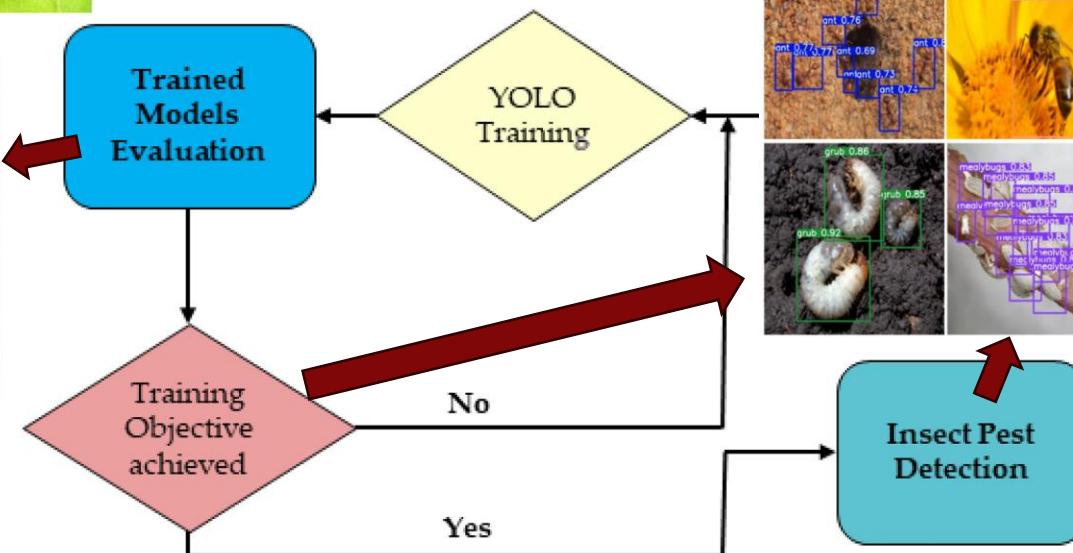
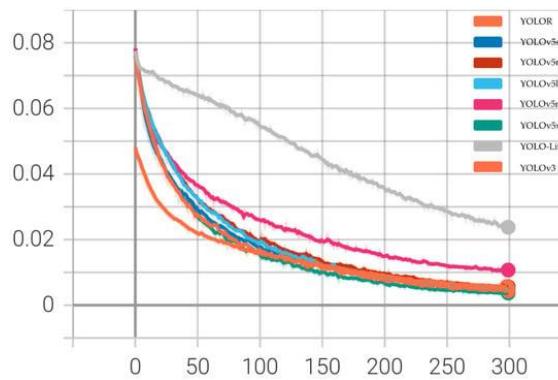
YOLO (YOU ONLY LOOK ONCE)



Deep Learning



YOLO (YOU ONLY LOOK ONCE)



Eksperimen

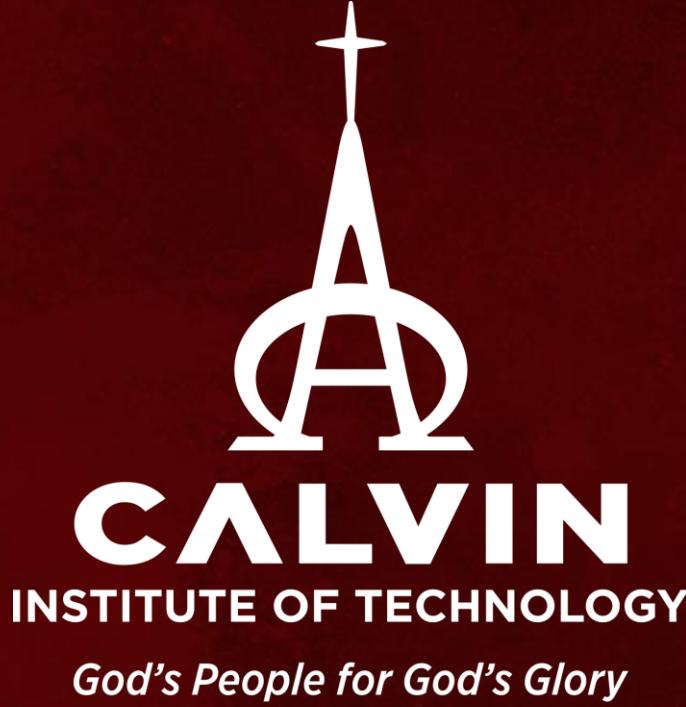
Eksperimen (<https://cit.to/STEMWorkshop/YOLO>) yang akan dilakukan:

- Deteksi objek menggunakan YOLO pada gambar dan video
- Deteksi objek menggunakan YOLO secara *realtime*
- Deteksi objek menggunakan Roboflow API
- Latihan deteksi objek menggunakan Roboflow API

<https://cit.to/STEMWorkshop/YOLO>



<https://cit.to/FEEDBACK/AYC>



Terima Kasih
Tuhan Memberkati