**LAPORAN TRAINING DETEKSI PLAT MOBIL**

**MENGGUNAKAN YOLO**

Dataset berjumlah 80 gambar testing dan 5 gambar untuk validasi

Training : Google Colabs

* Epoch = 100
* Learning rate = 1e-4

Pengaturan untuk deteksi objek dan model yang digunakan di yolo.py

model\_name = 'plat\_yolo\_trained\_weights\_final.h5'

class YOLO(object):

\_defaults = {

"model\_path": 'model\_data/'+model\_name,

"classes\_path": 'class/plat\_classes.txt',

"anchors\_path": 'anchors/plat\_yolo\_anchors\_test.txt',

"score" : 0.1,

"iou" : 0.45,

"model\_image\_size" : (416, 416),

"gpu\_num" : 1,

}

**Test Gambar**

1. Ubah direktori gambar di yolo\_image.py

def detect\_img(yolo):

img = "test\_data/IMG\_20190704\_112805.jpg"

1. Jalankan cmd

python yolo\_image.py

**Test Video**

1. Jalankan cmd

python yolo\_video.py --input test\_data/car.mp4

**Training**

1. Atur Konfigurasi di train.py

epoch\_end\_first = 50

epoch\_end\_final = 100

model\_name = 'plat\_yolo'

log\_dir = 'logs/000/'

model\_path = ''

train\_path = 'plat.txt'

val\_path = 'plat\_test.txt'

classes\_path = 'class/plat\_classes.txt'

anchors\_path = 'anchors/plat\_yolo\_anchors.txt'

1. Jalankan cmd

python train.py

Hasil :

loaded weights logs/000/plat\_yolo\_trained\_weights\_final.h5

**plat: 0.4095**

**mAP: 0.4095**

 

 

