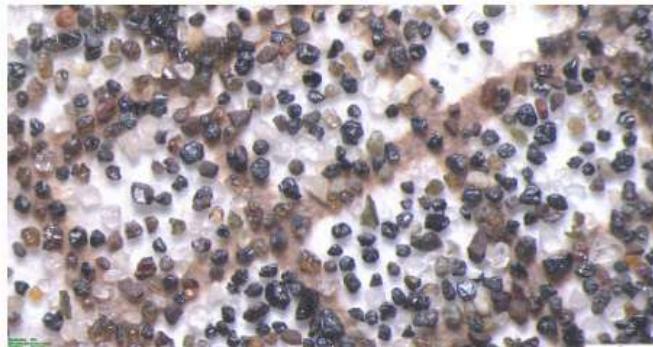


Code After Split The Result

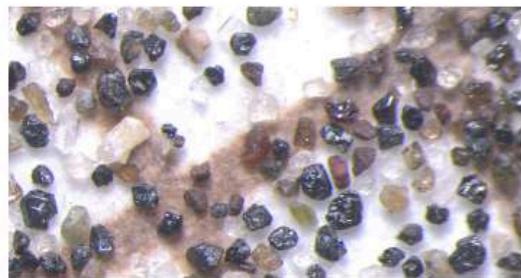
- `datareader.py` akan langsung melakukan **split grid 2×2** seperti pada contoh



(a) Citra Original Sebelum *Tiling*



(b) Hasil *Tiling* Bagian 1



(c) Hasil *Tiling* Bagian 2



(d) Hasil *Tiling* Bagian 3



(e) Hasil *Tiling* Bagian 4

Gambar 3.6 Proses Pembagian Citra (*Image Tiling*) Menjadi Grid 2×2

figure/tiled_paper.png

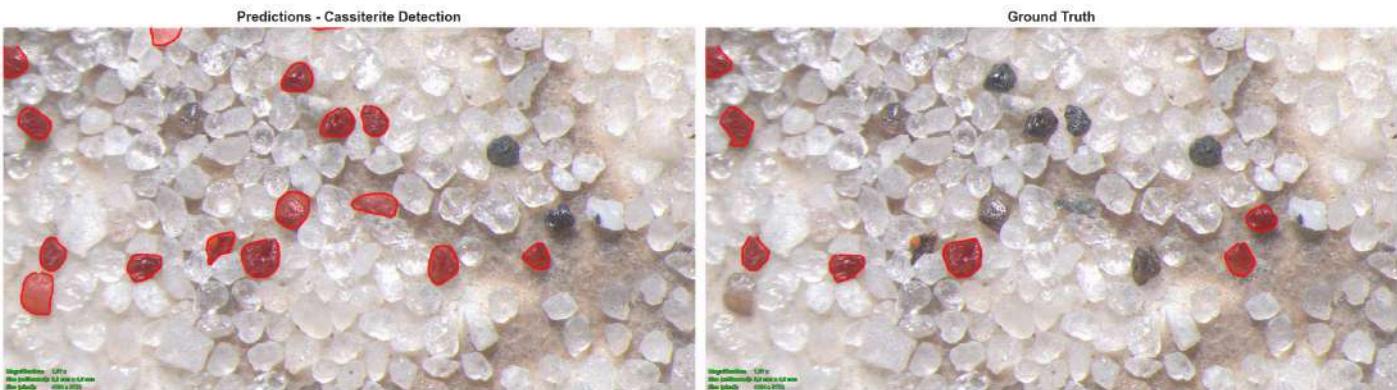
- atau sesuai pada yang ada di folder `figure\ex_tiled` sudah ada image original yakni `figure\ex_tiled\285-25100F_Ori.jpg` berserta `.json` ori nya yakni `figure\ex_tiled\285-25100F_Ori.json`
&
- contoh tiles image dan `.json` nya yakni `figure\ex_tiled\285-25100F_tile0.png` & `figure\ex_tiled\285-25100F_tile0.json`

Special Case Split

- Jadi setelah di baca datanya, maka nanti akan di lakukan **validasi** bahwa **setiap bagian harus ada segmentasi nya**, jika **tidak** maka **bagian tersebut atau tiled tersebut tidak akan di anggap** atau **tidak di gunakan**, seperti pada folder `figure\tiled_special_case`
- sebagai contoh dari image dan `.json` originalnya yakni `figure\tiled_special_case\PMP73-1748J_Ori.jpg` & `figure\tiled_special_case\PMP73-1748J_Ori.json`
&
- menjadi hanya 1 tile yakni `figure\tiled_special_case\PMP73-1748J_tile0.png` `.json` nya yakni `figure\tiled_special_case\PMP73-1748J_tile0.json`

Contoh Visualisasi

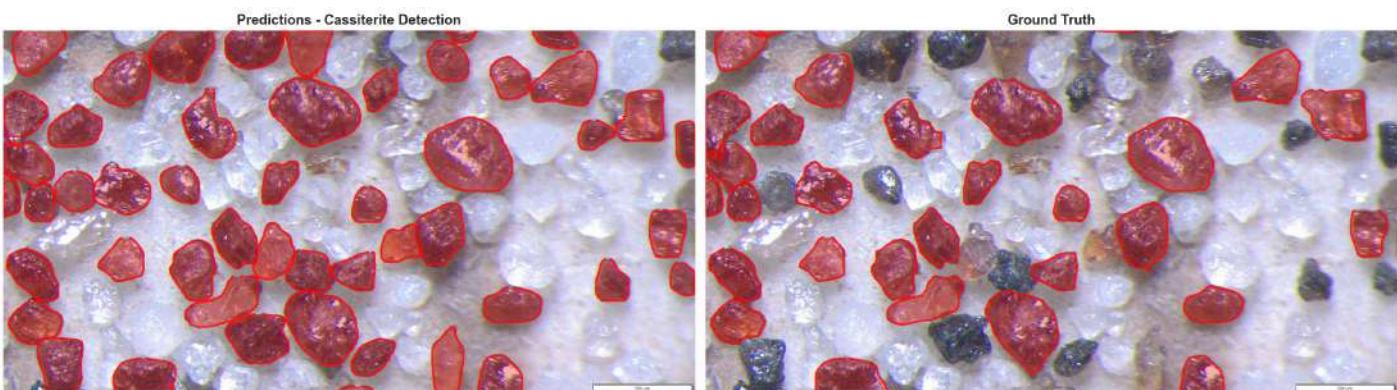
1. Hasil Validate Model saat Train



Total: 16
Avg Confidence: 0.706

Ground Truth: 7
IoU@0.50:0.95: 0.795 | AP@0.50:0.95: 0.280

hasil_val_sample_2.png



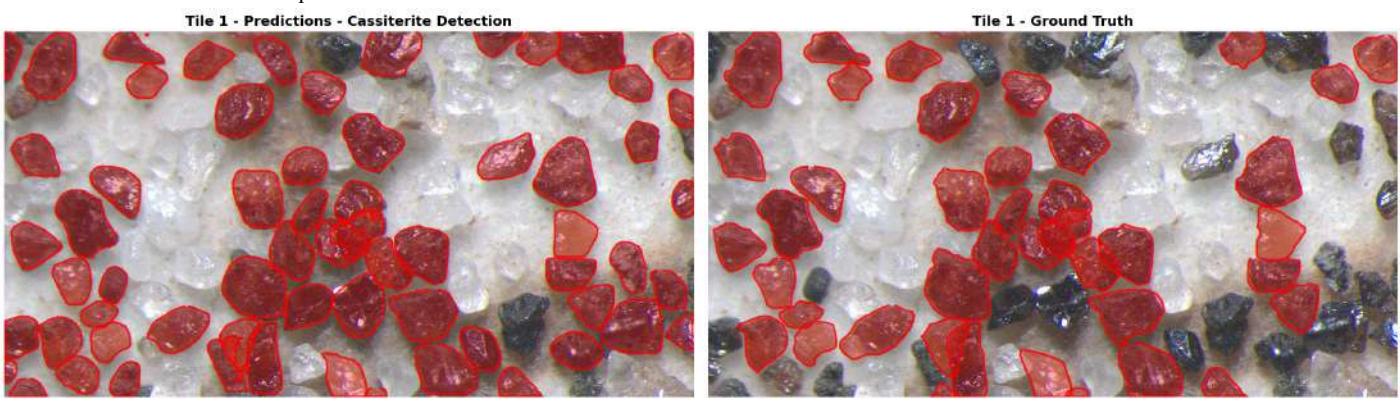
Total: 50
Avg Confidence: 0.791

Ground Truth: 30
IoU@0.50:0.95: 0.909 | AP@0.50:0.95: 0.578

hasil_val_sample_4.png

2. Hasil Visualisasi Ketika Evaluasi / Testing

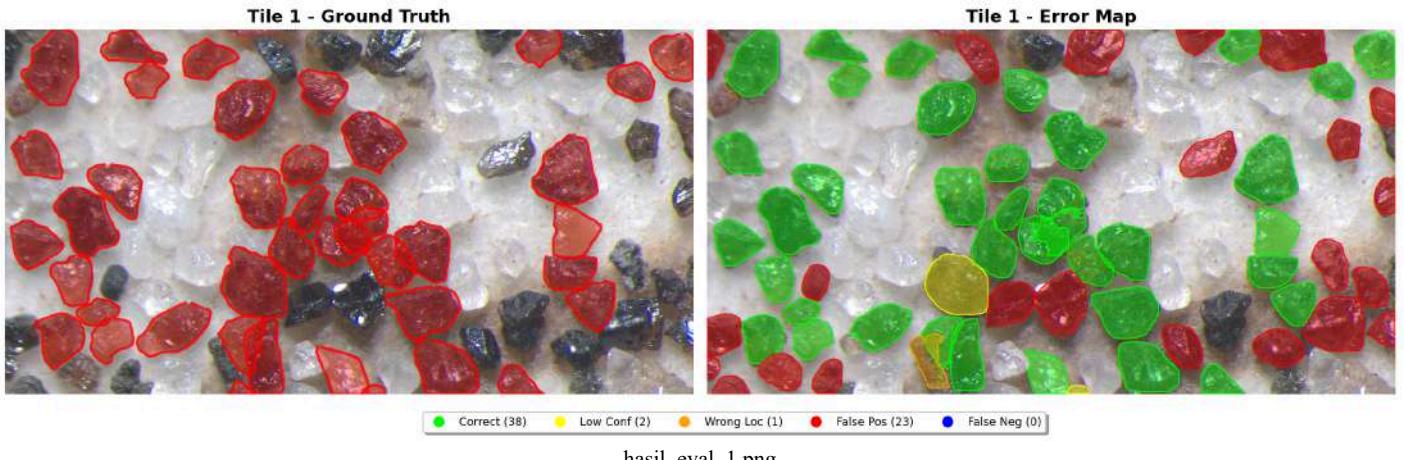
- Contoh hasil Visualisasi Evaluasi per Tiled



Total: 64
Avg Confidence: 0.819

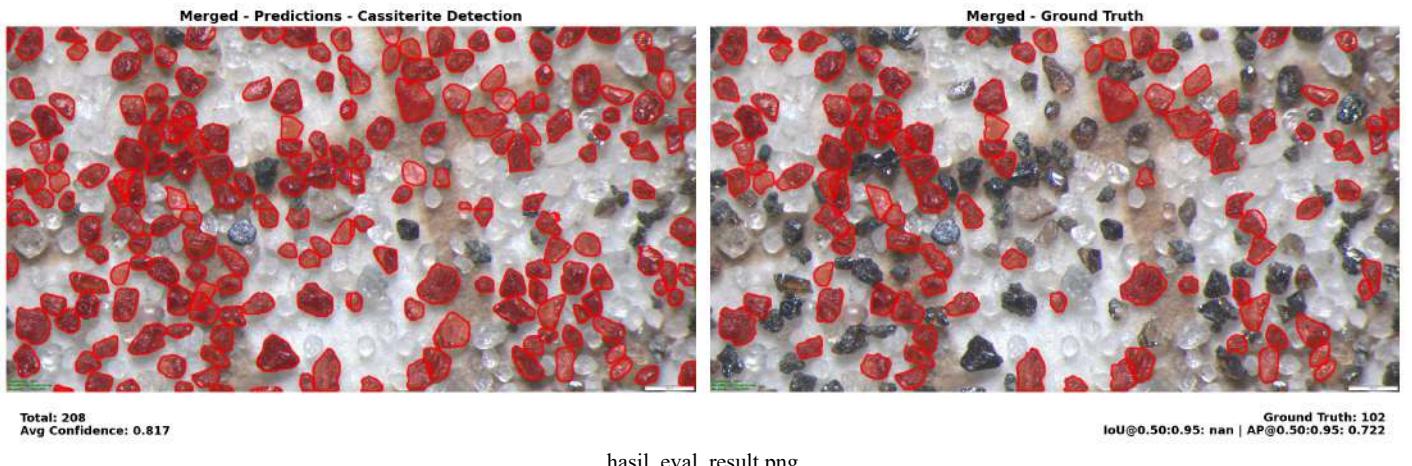
Ground Truth: 41
IoU@0.50:0.95: nan | AP@0.50:0.95: 0.744

hasil_eval_1.png

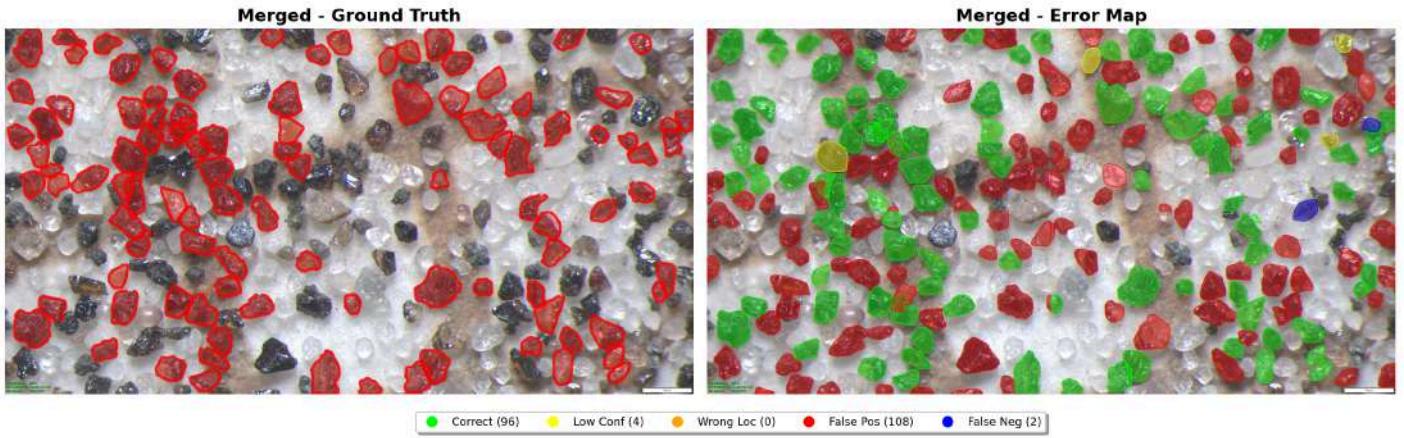


hasil_eval_1.png

- Contoh hasil Visualisasi Evaluasi Merged



hasil_eval_result.png



hasil_eval_result_error_map.png