

LAMPIRAN



Lampiran 1. Metric Masing-masing Kelas Hasil Pengujian Seluruh Model YOLOv5

Tabel 1. Metric Masing-masing Kelas Hasil Pengujian Model YOLOv5n dengan pelatihan 100 Epoch

| Kelas | Image | Instance | Precision | Recall | mAP_0.5 | mAP_0.5: 0.95 |
|---------------|-------|----------|-----------|--------|---------|---------------|
| Blonk | 504 | 168 | 0,999 | 1 | 0,995 | 0,973 |
| Cenk | 504 | 168 | 1 | 1 | 0,995 | 0,951 |
| Delem | 504 | 168 | 0,999 | 1 | 0,995 | 0,985 |
| Merdah | 504 | 168 | 0,999 | 1 | 0,995 | 0,988 |
| Sangut | 504 | 168 | 0,999 | 1 | 0,995 | 0,987 |
| Tualen | 504 | 168 | 0,999 | 1 | 0,995 | 0,99 |
| Seluruh Kelas | 504 | 1008 | 0,999 | 1 | 0,995 | 0,979 |

Tabel 2. Metric Masing-masing Kelas Hasil Pengujian Model YOLOv5n dengan pelatihan 200 Epoch

| Kelas | Image | Instance | Precision | Recall | mAP_0.5 | mAP_0.5: 0.95 |
|---------------|-------|----------|-----------|--------|---------|---------------|
| Blonk | 504 | 168 | 1 | 1 | 0,995 | 0,984 |
| Cenk | 504 | 168 | 1 | 1 | 0,995 | 0,984 |
| Delem | 504 | 168 | 1 | 1 | 0,995 | 0,987 |
| Merdah | 504 | 168 | 1 | 1 | 0,995 | 0,99 |
| Sangut | 504 | 168 | 0,999 | 1 | 0,995 | 0,993 |
| Tualen | 504 | 168 | 1 | 1 | 0,995 | 0,991 |
| Seluruh Kelas | 504 | 1008 | 1,000 | 1 | 0,995 | 0,988 |

Tabel 3. Metrik Masing-masing Kelas Hasil Pengujian Model YOLOv5n dengan pelatihan 300 Epoch

| Kelas | Image | Instance | Precision | Recall | mAP_0.5 | mAP_0.5: 0.95 |
|---------------|-------|----------|-----------|--------|---------|---------------|
| Blonk | 504 | 168 | 1 | 1 | 0,995 | 0,984 |
| Cenk | 504 | 168 | 1 | 1 | 0,995 | 0,984 |
| Delem | 504 | 168 | 1 | 1 | 0,995 | 0,987 |
| Merdah | 504 | 168 | 1 | 1 | 0,995 | 0,99 |
| Sangut | 504 | 168 | 0,999 | 1 | 0,995 | 0,993 |
| Tualen | 504 | 168 | 1 | 1 | 0,995 | 0,991 |
| Seluruh Kelas | 504 | 1008 | 1,000 | 1 | 0,995 | 0,988 |

Tabel 4. Metrik Masing-masing Kelas Hasil Pengujian Model YOLOv5s dengan pelatihan 100 Epoch

| Kelas | Image | Instance | Precision | Recall | mAP_0.5 | mAP_0.5: 0.95 |
|---------------|-------|----------|-----------|--------|---------|---------------|
| Blonk | 504 | 168 | 1 | 1 | 0,995 | 0,981 |
| Cenk | 504 | 168 | 1 | 1 | 0,995 | 0,965 |
| Delem | 504 | 168 | 0,999 | 1 | 0,995 | 0,984 |
| Merdah | 504 | 168 | 0,999 | 1 | 0,995 | 0,988 |
| Sangut | 504 | 168 | 0,999 | 1 | 0,995 | 0,991 |
| Tualen | 504 | 168 | 0,999 | 1 | 0,995 | 0,99 |
| Seluruh Kelas | 504 | 1008 | 0,999 | 1 | 0,995 | 0,983 |

Tabel 5. Metrik Masing-masing Kelas Hasil Pengujian Model YOLOv5s dengan pelatihan 200 Epoch

| Kelas | Image | Instance | Precision | Recall | mAP_0.5 | mAP_0.5: 0.95 |
|---------------|-------|----------|-----------|--------|---------|---------------|
| Blonk | 504 | 168 | 1 | 1 | 0,995 | 0,983 |
| Cenk | 504 | 168 | 1 | 1 | 0,995 | 0,975 |
| Delem | 504 | 168 | 1 | 1 | 0,995 | 0,989 |
| Merdah | 504 | 168 | 1 | 1 | 0,995 | 0,993 |
| Sangut | 504 | 168 | 0,999 | 1 | 0,995 | 0,994 |
| Tualen | 504 | 168 | 0,999 | 1 | 0,995 | 0,99 |
| Seluruh Kelas | 504 | 1008 | 1,000 | 1 | 0,995 | 0,987 |

Tabel 6. Metrik Masing-masing Kelas Hasil Pengujian Model YOLOv5s dengan pelatihan 300 Epoch

| Kelas | Image | Instance | Precision | Recall | mAP_0.5 | mAP_0.5: 0.95 |
|---------------|-------|----------|-----------|--------|---------|---------------|
| Blonk | 504 | 168 | 1 | 1 | 0,995 | 0,984 |
| Cenk | 504 | 168 | 1 | 1 | 0,995 | 0,976 |
| Delem | 504 | 168 | 1 | 1 | 0,995 | 0,989 |
| Merdah | 504 | 168 | 1 | 1 | 0,995 | 0,993 |
| Sangut | 504 | 168 | 0,999 | 1 | 0,995 | 0,994 |
| Tualen | 504 | 168 | 1 | 1 | 0,995 | 0,992 |
| Seluruh Kelas | 504 | 1008 | 1,000 | 1 | 0,995 | 0,988 |

Tabel 7. Metrik Masing-masing Kelas Hasil Pengujian Model YOLOv5m dengan pelatihan 100 Epoch

| Kelas | Image | Instance | Precision | Recall | mAP_0.5 | mAP_0.5: 0.95 |
|---------------|-------|----------|-----------|--------|---------|---------------|
| Blonk | 504 | 168 | 1 | 1 | 0,995 | 0,974 |
| Cenk | 504 | 168 | 1 | 1 | 0,995 | 0,973 |
| Delem | 504 | 168 | 1 | 1 | 0,995 | 0,988 |
| Merdah | 504 | 168 | 0,999 | 1 | 0,995 | 0,993 |
| Sangut | 504 | 168 | 0,999 | 1 | 0,995 | 0,993 |
| Tualen | 504 | 168 | 1 | 1 | 0,995 | 0,986 |
| Seluruh Kelas | 504 | 1008 | 1,000 | 1 | 0,995 | 0,985 |

Tabel 8. Metrik Masing-masing Kelas Hasil Pengujian Model YOLOv5m dengan pelatihan 200 Epoch

| Kelas | Image | Instance | Precision | Recall | mAP_0.5 | mAP_0.5: 0.95 |
|---------------|-------|----------|-----------|--------|---------|---------------|
| Blonk | 504 | 168 | 0,999 | 1 | 0,995 | 0,98 |
| Cenk | 504 | 168 | 1 | 1 | 0,995 | 0,982 |
| Delem | 504 | 168 | 1 | 1 | 0,995 | 0,992 |
| Merdah | 504 | 168 | 1 | 1 | 0,995 | 0,995 |
| Sangut | 504 | 168 | 0,999 | 1 | 0,995 | 0,994 |
| Tualen | 504 | 168 | 0,999 | 1 | 0,995 | 0,989 |
| Seluruh Kelas | 504 | 1008 | 1,000 | 1 | 0,995 | 0,989 |

Tabel 9. Metrik Masing-masing Kelas Hasil Pengujian Model YOLOv5m dengan pelatihan 300 Epoch

| Kelas | Image | Instance | Precision | Recall | mAP_0.5 | mAP_0.5: 0.95 |
|---------------|-------|----------|-----------|--------|---------|---------------|
| Blonk | 504 | 168 | 1 | 1 | 0,995 | 0,981 |
| Cenk | 504 | 168 | 0,999 | 1 | 0,995 | 0,98 |
| Delem | 504 | 168 | 1 | 1 | 0,995 | 0,99 |
| Merdah | 504 | 168 | 1 | 1 | 0,995 | 0,993 |
| Sangut | 504 | 168 | 0,999 | 1 | 0,995 | 0,994 |
| Tualen | 504 | 168 | 0,999 | 1 | 0,995 | 0,991 |
| Seluruh Kelas | 504 | 1008 | 1,000 | 1 | 0,995 | 0,988 |

Tabel 10. Metrik Masing-masing Kelas Hasil Pengujian Model YOLOv5l dengan pelatihan 100 Epoch

| Kelas | Image | Instance | Precision | Recall | mAP_0.5 | mAP_0.5: 0.95 |
|---------------|-------|----------|-----------|--------|---------|---------------|
| Blonk | 504 | 168 | 0,999 | 1 | 0,995 | 0,974 |
| Cenk | 504 | 168 | 1 | 1 | 0,995 | 0,981 |
| Delem | 504 | 168 | 0,999 | 1 | 0,995 | 0,99 |
| Merdah | 504 | 168 | 1 | 1 | 0,995 | 0,991 |
| Sangut | 504 | 168 | 0,999 | 1 | 0,995 | 0,993 |
| Tualen | 504 | 168 | 1 | 1 | 0,995 | 0,989 |
| Seluruh Kelas | 504 | 1008 | 1,000 | 1 | 0,995 | 0,986 |

Tabel 11. Metrik Masing-masing Kelas Hasil Pengujian Model YOLOv5l dengan pelatihan 200 Epoch

| Kelas | Image | Instance | Precision | Recall | mAP_0.5 | mAP_0.5: 0.95 |
|---------------|-------|----------|-----------|--------|---------|---------------|
| Blonk | 504 | 168 | 1 | 1 | 0,995 | 0,98 |
| Cenk | 504 | 168 | 0,999 | 1 | 0,995 | 0,978 |
| Delem | 504 | 168 | 1 | 1 | 0,995 | 0,99 |
| Merdah | 504 | 168 | 0,999 | 1 | 0,995 | 0,993 |
| Sangut | 504 | 168 | 0,999 | 1 | 0,995 | 0,993 |
| Tualen | 504 | 168 | 0,999 | 1 | 0,995 | 0,993 |
| Seluruh Kelas | 504 | 1008 | 0,999 | 1 | 0,995 | 0,988 |

Tabel 12. Metrik Masing-masing Kelas Hasil Pengujian Model YOLOv5l dengan pelatihan 300 Epoch

| Kelas | Image | Instance | Precision | Recall | mAP_0.5 | mAP_0.5: 0.95 |
|---------------|-------|----------|-----------|--------|---------|---------------|
| Blonk | 504 | 168 | 1 | 1 | 0,995 | 0,981 |
| Cenk | 504 | 168 | 0,999 | 1 | 0,995 | 0,981 |
| Delem | 504 | 168 | 0,999 | 1 | 0,995 | 0,992 |
| Merdah | 504 | 168 | 0,999 | 1 | 0,995 | 0,993 |
| Sangut | 504 | 168 | 0,999 | 1 | 0,995 | 0,994 |
| Tualen | 504 | 168 | 0,999 | 1 | 0,995 | 0,993 |
| Seluruh Kelas | 504 | 1008 | 0,999 | 1 | 0,995 | 0,989 |