

DAFTAR PUSTAKA

- Aditya.yanuar.r. (2018). *Fully-Connected Layer CNN dan Implementasinya*. machinelearning.mipa.ugm.ac.id.<https://machinelearning.mipa.ugm.ac.id/2018/06/25/fully-connected-layer-cnn-dan-implementasinya/>
- Aditya.yanuar.r. (2018). *YOLO (You Only Look Once)*. machinelearning.mipa.ugm.ac.id.<https://machinelearning.mipa.ugm.ac.id/2018/08/05/yolo-you-only-look-once/>
- Administrator. (2023). *Jurnal Rumus Slovin*. ejurnal.co.id. <https://www.ejurnal.co.id/jurnal-rumus-slovin>
- Aini, Q., Lutfiani, N., Kusumah, H., & Zahran, M. S. (2021). Deteksi dan Pengenalan Objek Dengan Model *Machine learning*: Model Yolo. *CESS (Journal of Computer Engineering, System and Science)*, 6(2), 192. <https://doi.org/10.24114/cess.v6i2.25840>
- Akhtar, H. (2020). *Rumus Slovin untuk Menentukan Jumlah Sampel dan Kontroversinya*. semestapsikometrika.com.<https://www.semestapsikometrika.com/2020/02/rumus-slovin-untuk-menentukan-jumlah.html>
- Ariyani, R. (2022). *Pengertian Populasi dan Sampel Menurut Para Ahli*. rikaariyani.com.<https://www.rikaariyani.com/2022/08/populasi-dan-sampel.html>
- Fajarrudin, M. (2022). *Perkembangan Artificial Intelligence pada Teknologi Informasi di Indonesia*. kompasiana.com. <https://www.kompasiana.com/muhamadfajarrudin19/62a9f5a0fdcdb476b97f68f2/perkembangan-artificial-intelligence-pada-teknologi-informasi-di-indonesia>
- Hadi, M. I., Silalahi, D. K., & Wibawa, P. D. (2022). Pengaturan Lampu Lalu Lintas Berdasarkan Deteksi Volume Kendaraan Menggunakan Metode YOLOv3 Traffic Light Setting Based On Vehicle Volume Detection Using The YOLOv3 Method. *e-Proceeding of Engineering*, 9(5), 2133–2144. <https://openlibrarypublications.telkomuniversity.ac.id/index.php/engineering/article/view/18470>
- Jupiyandi Saniputra, Pratama, F. R., & Yoga Dharmawan. (2019). Pengembangan Deteksi Citra Mobil Untuk Mengetahui Jumlah Tempat Parkir Menggunakan Cuda Dan Modified Yolo Development of Car Image Detection To Find Out the Number of Parking Space Using Cuda and Modified Yolo. *Jurnal Teknologi Informasi dan Ilmu Komputer (JTIK)*, 6(4), 413–419. <https://doi.org/10.25126/jtik.201961275>
- Kadarina, T. M., & Ibnu Fajar, M. H. (2019). Pengenalan Bahasa Pemrograman Python Menggunakan Aplikasi Games Untuk Siswa/I Di Wilayah Kembangan Utara. *Jurnal Abdi Masyarakat (JAM)*, 5(1), 11. <https://doi.org/10.22441/jam.2019.v5.i1.003>
- Nursyafitri, G. D. (2022). *4 Manfaat Machine Learning, Diketahui Oleh Praktisi Data*. dqlab.id. <https://dqlab.id/4-manfaat-machine-learning-diketahui-oleh-praktisi-data>

- Rizal, M. (2017). Analisis Sentimen Pengguna Twitter Terhadap Objek Pariwisata di Indonesia Menggunakan Algoritma Pengolahan Deep Natural Language dari IBM Insights untuk Twitter. *Skripsi Universitas Islam Negeri Alauddin Makassar*, 1–82.
- Roihan, A., Sunarya, P. A., & Rafika, A. S. (2020). Pemanfaatan *Machine learning* dalam Berbagai Bidang: Review paper. *IJCIT (Indonesian Journal on Computer and Information Technology)*, 5(1), 75–82. <https://doi.org/10.31294/ijcit.v5i1.7951>
- Sobron, M., & Lubis. (2021). Implementasi Artificial Intelligence Pada System Manufaktur Terpadu. *Seminar Nasional Teknik (SEMNASTEK) UISU*, 4(1), 1–7. <https://jurnal.uisu.ac.id/index.php/semnastek/article/view/4134>
- Widya, A. (2023). *Ingin Jadi Developer? Ini Pentingnya Kenali Python*. dqlab.id. <https://dqlab.id/ingin-jadi-developer-ini-pentingnya-kenali-python>
- Yudianto, M. R. A., Kusrini, K., & Al Fatta, H. (2020). Analisis Pengaruh Tingkat Akurasi Klasifikasi Citra Wayang dengan Algoritma Convolutional Neural Network. *Jurnal Teknologi Informasi*, 4(2), 182–191. <https://doi.org/10.36294/jurti.v4i2.1319>
- Zulfajri, P. (2022). Pembuatan Aplikasi Komputer Berbasis Deep Learning Convolutional Neural Network Untuk Pengecekan Pelafalan Huruf Hijaiyah Harakat Fatah. *eprintslib.ummgl.ac.id*, 8.5.2017, 2003–2005. http://eprintslib.ummgl.ac.id/3743/1/18.0504.0064_Cover_Bab_I_Bab_Ii_Bab_Iii_Bab_V_Daftar_Pustaka_-_Angga_Zulfajri.pdf

Lampiran 1. Tabel Perhitungan Akurasi Hasil *Testing Person* 3 Kategori

Person								
No	CCTV	Hasil Pengamatan	Terdeteksi dan Benar (TP)	Tidak Terdeteksi (FN)	Terdeteksi dan tidak benar (FP)	Keterangan FN	Keterangan FP	Accuracy
								Recall
1	01-10-2022 12:34:25_7West Camera 3.jpg	9	9	0	0			100%
2	01-10-2023 11:45:06_7West Camera 3.jpg	0	0	0	0			#DIV/0!
3	01-10-2023 11:45:11_7West Camera 3.jpg	0	0	0	0			#DIV/0!
4	01-10-2023 11:45:16_7West Camera 3.jpg	0	0	0	0			#DIV/0!
5	01-10-2023 11:45:21_7West Camera 3.jpg	0	0	0	0			#DIV/0!
6	01-10-2023 11:45:26_7West Camera 3.jpg	0	0	0	0			#DIV/0!
7	01-10-2023 11:45:31_7West Camera 3.jpg	0	0	0	0			#DIV/0!
8	01-10-2023 11:45:36_7West Camera 3.jpg	0	0	0	0			#DIV/0!

9	01-10-2023 11:45:41_7West Camera 3.jpg	0	0	0	0			#DIV/0!
10	01-10-2023 11:45:46_7West Camera 3.jpg	0	0	0	0			#DIV/0!
11	01-10-2023 11:45:51_7West Camera 3.jpg	0	0	0	0			#DIV/0!
12	01-10-2023 11:52:56_7West Camera 3.jpg	5	5	0	0			100%
13	01-10-2023 11:53:01_7West Camera 3.jpg	5	5	0	0			100%
14	01-10-2023 11:53:06_7West Camera 3.jpg	4	3	1	0	Objek blur tak terdeteksi		75%
15	01-10-2023 11:53:11_7West Camera 3.jpg	6	5	1	1	Objek blur tak terdeteksi	Batu terdeteksi sebagai manusia	83%
16	01-10-2023 11:53:16_7West Camera 3.jpg	4	4	0	0			100%
17	01-10-2023 11:53:21_7West Camera 3.jpg	5	5	0	0			100%
18	01-10-2023 11:53:26_7West Camera 3.jpg	5	5	0	1		Batu terdeteksi sebagai manusia	100%
19	01-10-2023 11:53:31_7West Camera 3.jpg	6	5	1	1	Objek blur tak terdeteksi	Batu terdeteksi sebagai	83%

							manusia	
20	01-10-2023 11:53:36_7West Camera 3.jpg	6	5	1	1	Objek blur tak terdeteksi	Batu terdeteksi sebagai manusia	83%
21	01-10-2023 11:53:41_7West Camera 3.jpg	6	3	3	0	Objek blur tak terdeteksi		50%
22	01-10-2023 11:53:46_7West Camera 3.jpg	6	4	2	2	Objek blur tak terdeteksi	Batu terdeteksi sebagai manusia	67%
23	01-10-2023 11:53:51_7West Camera 3.jpg	5	5	0	1		Batu terdeteksi sebagai manusia	100%
24	01-10-2023 11:55:21_7West Camera 3.jpg	2	0	2	0	Objek blur tak terdeteksi		0%
25	01-10-2023 11:55:26_7West Camera 3.jpg	2	0	2	0	Objek blur tak terdeteksi		0%
26	01-10-2023 11:55:31_7West Camera 3.jpg	2	0	2	0	Objek blur tak terdeteksi		0%
27	01-10-2023 11:55:36_7West Camera 3.jpg	2	0	0	0			#DIV/0!

28	01-10-2023 11:55:41_7West Camera 3.jpg	2	0	0	0			#DIV/0!
29	01-10-2023 11:55:46_7West Camera 3.jpg	1	0	0	0			#DIV/0!
30	01-10-2023 11:55:51_7West Camera 3.jpg	1	0	0	0			#DIV/0!
31	01-10-2023 11:55:56_7West Camera 3.jpg	1	0	0	0			#DIV/0!
32	01-10-2023 11:56:01_7West Camera 3.jpg	1	0	0	0			#DIV/0!
33	01-10-2023 11:56:06_7West Camera 3.jpg	1	0	0	0			#DIV/0!
34	01-10-2023 11:56:11_7West Camera 3.jpg	2	0	0	0			#DIV/0!
35	01-10-2023 11:56:16_7West Camera 3.jpg	1	0	0	0			#DIV/0!
36	01-10-2023 11:56:21_7West Camera 3.jpg	1	0	0	0			#DIV/0!
37	01-10-2023 11:56:26_7West Camera 3.jpg	1	0	0	0			#DIV/0!
38	01-10-2023 11:56:31_7West Camera 3.jpg	1	0	0	0			#DIV/0!
39	01-10-2023 11:56:36_7West Camera 3.jpg	1	0	0	0			#DIV/0!
40	01-10-2023 11:58:01_7West Camera 3.jpg	0	0	0	0			#DIV/0!

41	01-10-2023 11:58:06_7West Camera 3.jpg	0	0	0	0			#DIV/0!
42	01-10-2023 11:58:11_7West Camera 3.jpg	0	0	0	0			#DIV/0!
43	01-10-2023 11:58:16_7West Camera 3.jpg	0	0	0	0			#DIV/0!
44	01-10-2023 11:58:21_7West Camera 3.jpg	0	0	0	0			#DIV/0!
45	01-10-2023 11:58:26_7West Camera 3.jpg	0	0	0	0			#DIV/0!
46	01-10-2023 11:58:31_7West Camera 3.jpg	0	0	0	0			#DIV/0!
47	01-10-2023 11:58:36_7West Camera 3.jpg	0	0	0	0			#DIV/0!
48	01-10-2023 11:58:41_7West Camera 3.jpg	0	0	0	0			#DIV/0!
49	01-10-2023 11:58:46_7West Camera 3.jpg	0	0	0	0			#DIV/0!
50	01-10-2023 11:58:51_7West Camera 3.jpg	0	0	0	0			#DIV/0!
51	01-10-2023 10:01:20_7West Camera 3.jpg	0	0	0	0			#DIV/0!
52	01-10-2023 10:01:25_7West Camera 3.jpg	0	0	0	0			#DIV/0!
53	01-10-2023 10:01:30_7West Camera 3.jpg	0	0	0	0			#DIV/0!

54	01-10-2023 10:01:35_7West Camera 3.jpg	0	0	0	0			#DIV/0!
55	01-10-2023 10:01:40_7West Camera 3.jpg	0	0	0	0			#DIV/0!
56	01-10-2023 10:01:45_7West Camera 3.jpg	0	0	0	0			#DIV/0!
57	01-10-2023 10:01:50_7West Camera 3.jpg	0	0	0	0			#DIV/0!
58	01-10-2023 10:01:55_7West Camera 3.jpg	0	0	0	0			#DIV/0!
59	01-10-2023 10:02:00_7West Camera 3.jpg	0	0	0	0			#DIV/0!
60	01-10-2023 10:02:05_7West Camera 3.jpg	0	0	0	0			#DIV/0!
61	01-10-2023 10:05:20_7West Camera 3.jpg	0	0	0	0			#DIV/0!
62	01-10-2023 10:05:25_7West Camera 3.jpg	0	0	0	0			#DIV/0!
63	01-10-2023 10:05:30_7West Camera 3.jpg	0	0	0	0			#DIV/0!
64	01-10-2023 10:05:35_7West Camera 3.jpg	0	0	0	0			#DIV/0!
65	01-10-2023 10:05:40_7West Camera 3.jpg	0	0	0	0			#DIV/0!
66	01-10-2023 10:05:45_7West Camera 3.jpg	0	0	0	0			#DIV/0!

67	01-10-2023 10:05:50_7West Camera 3.jpg	0	0	0	0			#DIV/0!
68	01-10-2023 10:05:55_7West Camera 3.jpg	0	0	0	0			#DIV/0!
69	01-10-2023 10:06:00_7West Camera 3.jpg	0	0	0	0			#DIV/0!
70	01-10-2023 10:06:05_7West Camera 3.jpg	0	0	0	0			#DIV/0!
71	23-02-2023 10:14:45_7West Camera 3.jpg	0	0	0	0			#DIV/0!
72	23-02-2023 10:14:50_7West Camera 3.jpg	0	0	0	0			#DIV/0!
TOTAL		94	63	15	7			

POLTEK
SIMAS
BERAU

POLITEKNIK SINAR MAS
BERAU COAL

Lampiran 2. Tabel Perhitungan Akurasi Hasil *Testing* HD 3 Kategori

HD								
No	CCTV	Hasil Pengamatan	Terdeteksi dan Benar (TP)	Tidak Terdeteksi (FN)	Terdeteksi dan tidak benar (FP)	Keterangan FN	Keterangan FP	Accuracy
								Recall
1	01-10-2022 12:34:25_7West Camera 3.jpg	0	0	0	0			#DIV/0!
2	01-10-2023 11:45:06_7West Camera 3.jpg	3	3	0	0			100%
3	01-10-2023 11:45:11_7West Camera 3.jpg	3	3	0	0			100%
4	01-10-2023 11:45:16_7West Camera 3.jpg	3	3	0	0			100%
5	01-10-2023 11:45:21_7West Camera 3.jpg	3	3	0	0			100%
6	01-10-2023 11:45:26_7West Camera 3.jpg	3	3	0	0			100%
7	01-10-2023 11:45:31_7West Camera 3.jpg	3	3	0	0			100%

8	01-10-2023 11:45:36_7West Camera 3.jpg	3	2	1	0	Objek tak terdeteksi		67%
9	01-10-2023 11:45:41_7West Camera 3.jpg	3	3	0	0			100%
10	01-10-2023 11:45:46_7West Camera 3.jpg	3	3	0	0			100%
11	01-10-2023 11:45:51_7West Camera 3.jpg	3	2	1	0	Objek tertutup excavator		67%
12	01-10-2023 11:52:56_7West Camera 3.jpg	0	0	0	0			#DIV/0!
13	01-10-2023 11:53:01_7West Camera 3.jpg	1	1	0	0			100%
14	01-10-2023 11:53:06_7West Camera 3.jpg	1	1	0	0			100%
15	01-10-2023 11:53:11_7West Camera 3.jpg	1	1	0	0			100%
16	01-10-2023 11:53:16_7West Camera 3.jpg	1	1	0	0			100%
17	01-10-2023 11:53:21_7West Camera 3.jpg	0	0	0	0			#DIV/0!
18	01-10-2023 11:53:26_7West Camera 3.jpg	1	1	0	0			100%
19	01-10-2023 11:53:31_7West Camera 3.jpg	1	1	0	0			100%

20	01-10-2023 11:53:36_7West Camera 3.jpg	0	0	0	0			#DIV/0!
21	01-10-2023 11:53:41_7West Camera 3.jpg	1	1	0	1		Truk terdeteksi sebagai HD	100%
22	01-10-2023 11:53:46_7West Camera 3.jpg	1	1	0	0			100%
23	01-10-2023 11:53:51_7West Camera 3.jpg	1	1	0	0			100%
24	01-10-2023 11:55:21_7West Camera 3.jpg	1	0	0	0			#DIV/0!
25	01-10-2023 11:55:26_7West Camera 3.jpg	1	0	0	0			#DIV/0!
26	01-10-2023 11:55:31_7West Camera 3.jpg	0	0	0	0			#DIV/0!
27	01-10-2023 11:55:36_7West Camera 3.jpg	0	0	0	0			#DIV/0!
28	01-10-2023 11:55:41_7West Camera 3.jpg	0	0	0	0			#DIV/0!
29	01-10-2023 11:55:46_7West Camera 3.jpg	0	0	0	0			#DIV/0!
30	01-10-2023 11:55:51_7West Camera 3.jpg	0	0	0	0			#DIV/0!
31	01-10-2023 11:55:56_7West Camera 3.jpg	0	0	0	0			#DIV/0!

32	01-10-2023 11:56:01_7West Camera 3.jpg	0	0	0	0			#DIV/0!
33	01-10-2023 11:56:06_7West Camera 3.jpg	1	0	0	0			#DIV/0!
34	01-10-2023 11:56:11_7West Camera 3.jpg	1	0	0	0			#DIV/0!
35	01-10-2023 11:56:16_7West Camera 3.jpg	0	0	0	0			#DIV/0!
36	01-10-2023 11:56:21_7West Camera 3.jpg	0	0	0	0			#DIV/0!
37	01-10-2023 11:56:26_7West Camera 3.jpg	0	0	0	0			#DIV/0!
38	01-10-2023 11:56:31_7West Camera 3.jpg	0	0	0	0			#DIV/0!
39	01-10-2023 11:56:36_7West Camera 3.jpg	0	0	0	0			#DIV/0!
40	01-10-2023 11:58:01_7West Camera 3.jpg	4	2	2	0	Objek tak terdeteksi		50%
41	01-10-2023 11:58:06_7West Camera 3.jpg	4	4	0	1	LV terdeteksi sebagai HD		100%
42	01-10-2023 11:58:11_7West Camera 3.jpg	4	4	0	0			100%
43	01-10-2023 11:58:16_7West Camera 3.jpg	4	3	1	0	Objek blur tak terdeteksi		75%
44	01-10-2023 11:58:21_7West Camera 3.jpg	4	4	0	0			100%

45	01-10-2023 11:58:26_7West Camera 3.jpg	3	2	1	0	Objek tertutup debu		67%
46	01-10-2023 11:58:31_7West Camera 3.jpg	4	4	0	0			100%
47	01-10-2023 11:58:36_7West Camera 3.jpg	4	4	0	0			100%
48	01-10-2023 11:58:41_7West Camera 3.jpg	3	3	0	0			100%
49	01-10-2023 11:58:46_7West Camera 3.jpg	4	4	0	0			100%
50	01-10-2023 11:58:51_7West Camera 3.jpg	4	4	0	0			100%
51	01-10-2023 10:01:20_7West Camera 3.jpg	3	3	0	0			100%
52	01-10-2023 10:01:25_7West Camera 3.jpg	4	3	1	0	Objek tertutup dengan objek lain		75%
53	01-10-2023 10:01:30_7West Camera 3.jpg	3	3	0	0			100%
54	01-10-2023 10:01:35_7West Camera 3.jpg	3	3	0	0			100%
55	01-10-2023 10:01:40_7West Camera 3.jpg	3	3	0	0			100%
56	01-10-2023 10:01:45_7West Camera 3.jpg	2	2	0	0			100%

57	01-10-2023 10:01:50_7West Camera 3.jpg	3	3	0	0			100%
58	01-10-2023 10:01:55_7West Camera 3.jpg	3	3	0	0			100%
59	01-10-2023 10:02:00_7West Camera 3.jpg	3	3	0	0			100%
60	01-10-2023 10:02:05_7West Camera 3.jpg	3	3	0	0			100%
61	01-10-2023 10:05:20_7West Camera 3.jpg	4	4	0	0			100%
62	01-10-2023 10:05:25_7West Camera 3.jpg	5	4	1	0	Objek blur tak terdeteksi		80%
63	01-10-2023 10:05:30_7West Camera 3.jpg	5	4	1	0	Objek blur tak terdeteksi		80%
64	01-10-2023 10:05:35_7West Camera 3.jpg	5	3	2	0	Objek blur tak terdeteksi		60%
65	01-10-2023 10:05:40_7West Camera 3.jpg	6	6	0	1		Dozzer terdeteksi sebagai HD	100%
66	01-10-2023 10:05:45_7West Camera 3.jpg	5	5	0	0			100%
67	01-10-2023 10:05:50_7West Camera 3.jpg	5	3	2	0	Objek blur tak terdeteksi		60%
68	01-10-2023 10:05:55_7West Camera 3.jpg	4	4	0	0			100%

69	01-10-2023 10:06:00_7West Camera 3.jpg	4	3	1	0	Objek blur tak terdeteksi		75%
70	01-10-2023 10:06:05_7West Camera 3.jpg	4	3	1	0	Objek blur tak terdeteksi		75%
71	23-02-2023 10:14:45_7West Camera 3.jpg	5	3	1	1	Objek blur tak terdeteksi	Excavator terdeteksi sebagai HD	75%
72	23-02-2023 10:14:50_7West Camera 3.jpg	5	4	1	0	Objek blur tak terdeteksi		80%
Total		172	150	17	4			

Lampiran 3. Tabel Perhitungan Akurasi Hasil *Testing* LV 3 Kategori

LV								
No	CCTV	Hasil Pengamatan	Terdeteksi dan Benar (TP)	Tidak Terdeteksi (FN)	Terdeteksi dan tidak benar (FP)	Keterangan FN	Keterangan FP	Accuracy
								Recall
1	01-10-2022 12:34:25_7West Camera 3.jpg	3	3	0	0			100%
2	01-10-2023 11:45:06_7West Camera 3.jpg	0	0	0	0			#DIV/0!

3	01-10-2023 11:45:11_7West Camera 3.jpg	0	0	0	0			#DIV/0!
4	01-10-2023 11:45:16_7West Camera 3.jpg	0	0	0	0			#DIV/0!
5	01-10-2023 11:45:21_7West Camera 3.jpg	0	0	0	0			#DIV/0!
6	01-10-2023 11:45:26_7West Camera 3.jpg	0	0	0	0			#DIV/0!
7	01-10-2023 11:45:31_7West Camera 3.jpg	0	0	0	0			#DIV/0!
8	01-10-2023 11:45:36_7West Camera 3.jpg	0	0	0	0			#DIV/0!
9	01-10-2023 11:45:41_7West Camera 3.jpg	0	0	0	0			#DIV/0!
10	01-10-2023 11:45:46_7West Camera 3.jpg	0	0	0	0			#DIV/0!
11	01-10-2023 11:45:51_7West Camera 3.jpg	0	0	0	0			#DIV/0!
12	01-10-2023 11:52:56_7West Camera 3.jpg	3	2	1	0	Objek tak terdeteksi		67%
13	01-10-2023 11:53:01_7West Camera 3.jpg	3	2	1	0	Objek tak terdeteksi		67%
14	01-10-2023 11:53:06_7West Camera 3.jpg	3	2	1	0	Objek tak terdeteksi		67%
15	01-10-2023 11:53:11_7West Camera 3.jpg	3	2	1	0	Objek tak terdeteksi		67%

16	01-10-2023 11:53:16_7West Camera 3.jpg	3	2	1	0	Objek tak terdeteksi		67%
17	01-10-2023 11:53:21_7West Camera 3.jpg	3	2	1	0	Objek tak terdeteksi		67%
18	01-10-2023 11:53:26_7West Camera 3.jpg	3	3	0	0			100%
19	01-10-2023 11:53:31_7West Camera 3.jpg	3	3	0	0			100%
20	01-10-2023 11:53:36_7West Camera 3.jpg	3	3	0	0			100%
21	01-10-2023 11:53:41_7West Camera 3.jpg	3	3	0	0			100%
22	01-10-2023 11:53:46_7West Camera 3.jpg	3	3	0	0			100%
23	01-10-2023 11:53:51_7West Camera 3.jpg	3	2	1	0	Objek tak terdeteksi		67%
24	01-10-2023 11:55:21_7West Camera 3.jpg	0	0	0	0			#DIV/0!
25	01-10-2023 11:55:26_7West Camera 3.jpg	0	0	0	0			#DIV/0!
26	01-10-2023 11:55:31_7West Camera 3.jpg	0	0	0	0			#DIV/0!
27	01-10-2023 11:55:36_7West Camera 3.jpg	0	0	0	0			#DIV/0!
28	01-10-2023 11:55:41_7West Camera 3.jpg	0	0	0	0			#DIV/0!

29	01-10-2023 11:55:46_7West Camera 3.jpg	0	0	0	0			#DIV/0!
30	01-10-2023 11:55:51_7West Camera 3.jpg	0	0	0	0			#DIV/0!
31	01-10-2023 11:55:56_7West Camera 3.jpg	0	0	0	0			#DIV/0!
32	01-10-2023 11:56:01_7West Camera 3.jpg	0	0	0	0			#DIV/0!
33	01-10-2023 11:56:06_7West Camera 3.jpg	0	0	0	0			#DIV/0!
34	01-10-2023 11:56:11_7West Camera 3.jpg	0	0	0	0			#DIV/0!
35	01-10-2023 11:56:16_7West Camera 3.jpg	0	0	0	0			#DIV/0!
36	01-10-2023 11:56:21_7West Camera 3.jpg	0	0	0	0			#DIV/0!
37	01-10-2023 11:56:26_7West Camera 3.jpg	0	0	0	0			#DIV/0!
38	01-10-2023 11:56:31_7West Camera 3.jpg	0	0	0	0			#DIV/0!
39	01-10-2023 11:56:36_7West Camera 3.jpg	0	0	0	0			#DIV/0!
40	01-10-2023 11:58:01_7West Camera 3.jpg	0	0	0	0			#DIV/0!
41	01-10-2023 11:58:06_7West Camera 3.jpg	1	0	1	0	Objek blur tak		0%

						terdeteksi		
42	01-10-2023 11:58:11_7West Camera 3.jpg	0	0	0	0			#DIV/0!
43	01-10-2023 11:58:16_7West Camera 3.jpg	0	0	0	0			#DIV/0!
44	01-10-2023 11:58:21_7West Camera 3.jpg	0	0	0	0			#DIV/0!
45	01-10-2023 11:58:26_7West Camera 3.jpg	1	0	1	0	Objek blur tak terdeteksi		0%
46	01-10-2023 11:58:31_7West Camera 3.jpg	1	0	1	0	Objek blur tak terdeteksi		0%
47	01-10-2023 11:58:36_7West Camera 3.jpg	0	0	0	0			#DIV/0!
48	01-10-2023 11:58:41_7West Camera 3.jpg	0	0	0	0			#DIV/0!
49	01-10-2023 11:58:46_7West Camera 3.jpg	0	0	0	0			#DIV/0!
50	01-10-2023 11:58:51_7West Camera 3.jpg	0	0	0	0			#DIV/0!
51	01-10-2023 10:01:20_7West Camera 3.jpg	1	0	1	0	Objek tak terdeteksi		0%
52	01-10-2023 10:01:25_7West Camera 3.jpg	1	0	1	0	Objek tak terdeteksi		0%

53	01-10-2023 10:01:30_7West Camera 3.jpg	1	0	1	0	Objek tak terdeteksi		0%
54	01-10-2023 10:01:35_7West Camera 3.jpg	1	0	1	0	Objek tak terdeteksi		0%
55	01-10-2023 10:01:40_7West Camera 3.jpg	1	0	1	0	Objek tak terdeteksi		0%
56	01-10-2023 10:01:45_7West Camera 3.jpg	1	0	1	0	Objek tak terdeteksi		0%
57	01-10-2023 10:01:50_7West Camera 3.jpg	1	0	1	0	Objek tak terdeteksi		0%
58	01-10-2023 10:01:55_7West Camera 3.jpg	1	0	1	0	Objek tak terdeteksi		0%
59	01-10-2023 10:02:00_7West Camera 3.jpg	1	0	1	0	Objek tak terdeteksi		0%
60	01-10-2023 10:02:05_7West Camera 3.jpg	1	0	1	0	Objek tak terdeteksi		0%
61	01-10-2023 10:05:20_7West Camera 3.jpg	0	0	0	0			#DIV/0!
62	01-10-2023 10:05:25_7West Camera 3.jpg	0	0	0	0			#DIV/0!
63	01-10-2023 10:05:30_7West Camera 3.jpg	0	0	0	1		Dozzer terdeteksi sebagai LV	#DIV/0!
64	01-10-2023 10:05:35_7West Camera 3.jpg	0	0	0	0			#DIV/0!

65	01-10-2023 10:05:40_7West Camera 3.jpg	0	0	0	0			#DIV/0!
66	01-10-2023 10:05:45_7West Camera 3.jpg	0	0	0	0			#DIV/0!
67	01-10-2023 10:05:50_7West Camera 3.jpg	0	0	0	0			#DIV/0!
68	01-10-2023 10:05:55_7West Camera 3.jpg	0	0	0	0			#DIV/0!
69	01-10-2023 10:06:00_7West Camera 3.jpg	1	1	0	0			100%
70	01-10-2023 10:06:05_7West Camera 3.jpg	0	0	0	0			#DIV/0!
71	23-02-2023 10:14:45_7West Camera 3.jpg	0	0	0	0			#DIV/0!
72	23-02-2023 10:14:50_7West Camera 3.jpg	1	0	0	0			#DIV/0!
Total		54	33	20	1			

Lampiran 4. Tabel Perhitungan Akurasi Hasil *Testing Person* 6 Kategori

PERSON								
No	CCTV	Hasil Pengamatan	Terdeteksi dan Benar (TP)	Tidak Terdeteksi (FN)	Terdeteksi dan tidak benar (FP)	Keterangan FN	Keterangan FP	Accuracy
								Recall
1	01-10-2022 12:34:25_7West Camera 3.jpg	7	7	0	0			100%
2	01-10-2023 11:45:06_7West Camera 3.jpg	0	0	0	0			#DIV/0!
3	01-10-2023 11:45:11_7West Camera 3.jpg	0	0	0	0			#DIV/0!
4	01-10-2023 11:45:16_7West Camera 3.jpg	0	0	0	0			#DIV/0!
5	01-10-2023 11:45:21_7West Camera 3.jpg	0	0	0	0			#DIV/0!
6	01-10-2023 11:45:26_7West Camera 3.jpg	0	0	0	0			#DIV/0!
7	01-10-2023 11:45:31_7West Camera 3.jpg	0	0	0	0			#DIV/0!
8	01-10-2023 11:45:36_7West Camera 3.jpg	0	0	0	0			#DIV/0!
9	01-10-2023 11:45:41_7West Camera 3.jpg	0	0	0	0			#DIV/0!
10	01-10-2023 11:45:46_7West Camera 3.jpg	0	0	0	0			#DIV/0!

11	01-10-2023 11:45:51_7West Camera 3.jpg	0	0	0	0			#DIV/0!
12	01-10-2023 11:52:56_7West Camera 3.jpg	6	6	0	1		LV terdeteksi sebagai Person	100%
13	01-10-2023 11:53:01_7West Camera 3.jpg	5	5	0	1			100%
14	01-10-2023 11:53:06_7West Camera 3.jpg	3	3	0	0			100%
15	01-10-2023 11:53:11_7West Camera 3.jpg	5	5	0	0			100%
16	01-10-2023 11:53:16_7West Camera 3.jpg	5	5	0	1			100%
17	01-10-2023 11:53:21_7West Camera 3.jpg	6	6	0	1			100%
18	01-10-2023 11:53:26_7West Camera 3.jpg	5	5	0	1		batu terdeteksi manusia	100%
19	01-10-2023 11:53:31_7West Camera 3.jpg	7	6	1	0		objek blur	86%
20	01-10-2023 11:53:36_7West Camera 3.jpg	6	5	1	0		objek blur	83%
21	01-10-2023 11:53:41_7West Camera 3.jpg	4	3	0	0			100%
22	01-10-2023 11:53:46_7West Camera 3.jpg	6	5	1	1	Objek blur	batu terdeteksi sebbagai manusia	83%

23	01-10-2023 11:53:51_7West Camera 3.jpg	4	4	0	0			100%
24	01-10-2023 11:55:21_7West Camera 3.jpg	2	0	0	0			#DIV/0!
25	01-10-2023 11:55:26_7West Camera 3.jpg	2	0	0	0			#DIV/0!
26	01-10-2023 11:55:31_7West Camera 3.jpg	2	1	1	0	Objek blur		50%
27	01-10-2023 11:55:36_7West Camera 3.jpg	1	0	1	0	Objek blur		0%
28	01-10-2023 11:55:41_7West Camera 3.jpg	2	0	2	0	Objek blur		0%
29	01-10-2023 11:55:46_7West Camera 3.jpg	1	0	1	0	Objek blur		0%
30	01-10-2023 11:55:51_7West Camera 3.jpg	1	1	0	0			100%
31	01-10-2023 11:55:56_7West Camera 3.jpg	1	0	1	0	Objek blur		0%
32	01-10-2023 11:56:01_7West Camera 3.jpg	1	0	1	0	Objek blur		0%
33	01-10-2023 11:56:06_7West Camera 3.jpg	1	0	1	0	Objek blur		0%
34	01-10-2023 11:56:11_7West Camera 3.jpg	1	1	0	0			100%
35	01-10-2023 11:56:16_7West Camera 3.jpg	1	0	1	0	Objek blur		0%
36	01-10-2023 11:56:21_7West Camera 3.jpg	1	0	1	0	Objek blur		0%
37	01-10-2023 11:56:26_7West Camera 3.jpg	1	0	1	0	Objek blur		0%

38	01-10-2023 11:56:31_7West Camera 3.jpg	1	0	1	0	Objek blur		0%
39	01-10-2023 11:56:36_7West Camera 3.jpg	1	0	1	0	Objek blur		0%
40	01-10-2023 11:58:01_7West Camera 3.jpg	0	0	0	0			#DIV/0!
41	01-10-2023 11:58:06_7West Camera 3.jpg	0	0	0	0			#DIV/0!
42	01-10-2023 11:58:11_7West Camera 3.jpg	0	0	0	0			#DIV/0!
43	01-10-2023 11:58:16_7West Camera 3.jpg	0	0	0	0			#DIV/0!
44	01-10-2023 11:58:21_7West Camera 3.jpg	0	0	0	0			#DIV/0!
45	01-10-2023 11:58:26_7West Camera 3.jpg	0	0	0	0			#DIV/0!
46	01-10-2023 11:58:31_7West Camera 3.jpg	0	0	0	0			#DIV/0!
47	01-10-2023 11:58:36_7West Camera 3.jpg	0	0	0	0			#DIV/0!
48	01-10-2023 11:58:41_7West Camera 3.jpg	0	0	0	0			#DIV/0!
49	01-10-2023 11:58:46_7West Camera 3.jpg	0	0	0	0			#DIV/0!
50	01-10-2023 11:58:51_7West Camera 3.jpg	0	0	0	0			#DIV/0!
51	01-10-2023 10:01:20_7West Camera 3.jpg	0	0	0	1		Lereng terdeteksi sebagai manusia	#DIV/0!

52	01-10-2023 10:01:25_7West Camera 3.jpg	0	0	0	0			#DIV/0!
53	01-10-2023 10:01:30_7West Camera 3.jpg	0	0	0	0			#DIV/0!
54	01-10-2023 10:01:35_7West Camera 3.jpg	0	0	0	0			#DIV/0!
55	01-10-2023 10:01:40_7West Camera 3.jpg	0	0	0	0			#DIV/0!
56	01-10-2023 10:01:45_7West Camera 3.jpg	2	0	1	0	objek blur	tanah terdeteksi sebagai person	0%
57	01-10-2023 10:01:50_7West Camera 3.jpg	0	0	0	0			#DIV/0!
58	01-10-2023 10:01:55_7West Camera 3.jpg	0	0	0	0			#DIV/0!
59	01-10-2023 10:02:00_7West Camera 3.jpg	0	0	0	1		tanah terdeteksi sebagai person	#DIV/0!
60	01-10-2023 10:02:05_7West Camera 3.jpg	0	0	0	1		tanah terdeteksi sebagai person	#DIV/0!
61	01-10-2023 10:05:20_7West Camera 3.jpg	0	0	0	0			#DIV/0!

62	01-10-2023 10:05:25_7West Camera 3.jpg	0	0	0	0			#DIV/0!
63	01-10-2023 10:05:30_7West Camera 3.jpg	0	0	0	0			#DIV/0!
64	01-10-2023 10:05:35_7West Camera 3.jpg	0	0	0	0			#DIV/0!
65	01-10-2023 10:05:40_7West Camera 3.jpg	0	0	0	0			#DIV/0!
66	01-10-2023 10:05:45_7West Camera 3.jpg	0	0	0	0			#DIV/0!
67	01-10-2023 10:05:50_7West Camera 3.jpg	0	0	0	0			#DIV/0!
68	01-10-2023 10:05:55_7West Camera 3.jpg	0	0	0	0			#DIV/0!
69	01-10-2023 10:06:00_7West Camera 3.jpg	0	0	0	0			#DIV/0!
70	01-10-2023 10:06:05_7West Camera 3.jpg	0	0	0	0			#DIV/0!
71	23-02-2023 10:14:45_7West Camera 3.jpg	0	0	0	0			#DIV/0!
72	23-02-2023 10:14:50_7West Camera 3.jpg	0	0	0	0			#DIV/0!
Total		91	68	17	9			

Lampiran 5. Tabel Perhitungan Akurasi Hasil *Testing* HD-D 6 Kategori

HD-D								
No	CCTV	Hasil Pengamatan	Terdeteksi dan Benar (TP)	Tidak Terdeteksi (FN)	Terdeteksi dan tidak benar (FP)	Keterangan FN	Keterangan FP	Accuracy
								Recall
1	01-10-2022 12:34:25_7West Camera 3.jpg	0	0	0	0			#DIV/0!
2	01-10-2023 11:45:06_7West Camera 3.jpg	1	1	0	0			100%
3	01-10-2023 11:45:11_7West Camera 3.jpg	1	1	0	0			100%
4	01-10-2023 11:45:16_7West Camera 3.jpg	1	1	0	0			100%
5	01-10-2023 11:45:21_7West Camera 3.jpg	1	1	0	0			100%
6	01-10-2023 11:45:26_7West Camera 3.jpg	1	1	0	0			100%
7	01-10-2023 11:45:31_7West Camera 3.jpg	1	1	0	0			100%
8	01-10-2023 11:45:36_7West Camera 3.jpg	1	1	0	0			100%
9	01-10-2023 11:45:41_7West Camera 3.jpg	1	1	0	0			100%
10	01-10-2023 11:45:46_7West Camera 3.jpg	1	1	0	0			100%

11	01-10-2023 11:45:51_7West Camera 3.jpg	1	1	0	0			100%
12	01-10-2023 11:52:56_7West Camera 3.jpg	0	0	0	0			#DIV/0!
13	01-10-2023 11:53:01_7West Camera 3.jpg	0	0	0	0			#DIV/0!
14	01-10-2023 11:53:06_7West Camera 3.jpg	0	0	0	0			#DIV/0!
15	01-10-2023 11:53:11_7West Camera 3.jpg	0	0	0	0			#DIV/0!
16	01-10-2023 11:53:16_7West Camera 3.jpg	1	0	0	1			#DIV/0!
17	01-10-2023 11:53:21_7West Camera 3.jpg	0	0	0	0			#DIV/0!
18	01-10-2023 11:53:26_7West Camera 3.jpg	0	0	0	0			#DIV/0!
19	01-10-2023 11:53:31_7West Camera 3.jpg	0	0	0	0			#DIV/0!
20	01-10-2023 11:53:36_7West Camera 3.jpg	1	0	0	1			#DIV/0!
21	01-10-2023 11:53:41_7West Camera 3.jpg	1	0	0	1			#DIV/0!
22	01-10-2023 11:53:46_7West Camera 3.jpg	0	0	0	0			#DIV/0!
23	01-10-2023 11:53:51_7West Camera 3.jpg	1	0	0	1			#DIV/0!
24	01-10-2023 11:55:21_7West Camera 3.jpg	0	0	0	0			#DIV/0!

25	01-10-2023 11:55:26_7West Camera 3.jpg	0	0	0	0			#DIV/0!
26	01-10-2023 11:55:31_7West Camera 3.jpg	0	0	0	0			#DIV/0!
27	01-10-2023 11:55:36_7West Camera 3.jpg	0	0	0	0			#DIV/0!
28	01-10-2023 11:55:41_7West Camera 3.jpg	0	0	0	0			#DIV/0!
29	01-10-2023 11:55:46_7West Camera 3.jpg	0	0	0	0			#DIV/0!
30	01-10-2023 11:55:51_7West Camera 3.jpg	0	0	0	0			#DIV/0!
31	01-10-2023 11:55:56_7West Camera 3.jpg	0	0	0	0			#DIV/0!
32	01-10-2023 11:56:01_7West Camera 3.jpg	0	0	0	0			#DIV/0!
33	01-10-2023 11:56:06_7West Camera 3.jpg	0	0	0	0			#DIV/0!
34	01-10-2023 11:56:11_7West Camera 3.jpg	0	0	0	0			#DIV/0!
35	01-10-2023 11:56:16_7West Camera 3.jpg	0	0	0	0			#DIV/0!
36	01-10-2023 11:56:21_7West Camera 3.jpg	0	0	0	0			#DIV/0!
37	01-10-2023 11:56:26_7West Camera 3.jpg	0	0	0	0			#DIV/0!
38	01-10-2023 11:56:31_7West Camera 3.jpg	0	0	0	0			#DIV/0!
39	01-10-2023 11:56:36_7West Camera 3.jpg	0	0	0	0			#DIV/0!

40	01-10-2023 11:58:01_7West Camera 3.jpg	0	0	0	0			#DIV/0!
41	01-10-2023 11:58:06_7West Camera 3.jpg	0	0	0	0			#DIV/0!
42	01-10-2023 11:58:11_7West Camera 3.jpg	0	0	0	0			#DIV/0!
43	01-10-2023 11:58:16_7West Camera 3.jpg	0	0	0	0			#DIV/0!
44	01-10-2023 11:58:21_7West Camera 3.jpg	0	0	0	0			#DIV/0!
45	01-10-2023 11:58:26_7West Camera 3.jpg	0	0	0	0			#DIV/0!
46	01-10-2023 11:58:31_7West Camera 3.jpg	0	0	0	0			#DIV/0!
47	01-10-2023 11:58:36_7West Camera 3.jpg	0	0	0	0			#DIV/0!
48	01-10-2023 11:58:41_7West Camera 3.jpg	0	0	0	0			#DIV/0!
49	01-10-2023 11:58:46_7West Camera 3.jpg	0	0	0	0			#DIV/0!
50	01-10-2023 11:58:51_7West Camera 3.jpg	0	0	0	0			#DIV/0!
51	01-10-2023 10:01:20_7West Camera 3.jpg	0	0	0	0			#DIV/0!
52	01-10-2023 10:01:25_7West Camera 3.jpg	0	0	0	0			#DIV/0!
53	01-10-2023 10:01:30_7West Camera 3.jpg	0	0	0	0			#DIV/0!

54	01-10-2023 10:01:35_7West Camera 3.jpg	1	0	1	0			0%
55	01-10-2023 10:01:40_7West Camera 3.jpg	1	1	0	1		HD-S-Ka terdeteksi sebagai HD-D	100%
56	01-10-2023 10:01:45_7West Camera 3.jpg	1	1	0	1		HD-S-Ka terdeteksi sebagai HD-D	100%
57	01-10-2023 10:01:50_7West Camera 3.jpg	1	1	0	1		HD-S-Ka terdeteksi sebagai HD-D	100%
58	01-10-2023 10:01:55_7West Camera 3.jpg	0	0	0	0			#DIV/0!
59	01-10-2023 10:02:00_7West Camera 3.jpg	0	0	0	0			#DIV/0!
60	01-10-2023 10:02:05_7West Camera 3.jpg	0	0	0	0			#DIV/0!
61	01-10-2023 10:05:20_7West Camera 3.jpg	0	0	0	0			#DIV/0!
62	01-10-2023 10:05:25_7West Camera 3.jpg	0	0	0	1		Salah mendeteksi objek	#DIV/0!
63	01-10-2023 10:05:30_7West Camera 3.jpg	1	1	0	1		Salah mendeteksi objek	100%
64	01-10-2023 10:05:35_7West Camera 3.jpg	0	0	0	0			0%

65	01-10-2023 10:05:40_7West Camera 3.jpg	0	0	0	0			#DIV/0!
66	01-10-2023 10:05:45_7West Camera 3.jpg	0	0	0	0			#DIV/0!
67	01-10-2023 10:05:50_7West Camera 3.jpg	0	0	0	0			#DIV/0!
68	01-10-2023 10:05:55_7West Camera 3.jpg	0	0	0	0			#DIV/0!
69	01-10-2023 10:06:00_7West Camera 3.jpg	0	0	0	0			#DIV/0!
70	01-10-2023 10:06:05_7West Camera 3.jpg	0	0	0	1		Salah deteksi objek	#DIV/0!
71	23-02-2023 10:14:45_7West Camera 3.jpg	0	0	0	0			#DIV/0!
72	23-02-2023 10:14:50_7West Camera 3.jpg	1	0	1	0	Objek Blur		0%
Total		20	14	2	10			

Lampiran 6. Tabel Perhitungan Akurasi Hasil *Testing* HD-B 6 Kategori

HD-B								
No	CCTV	Hasil Pengamatan	Terdeteksi dan Benar (TP)	Tidak Terdeteksi (FN)	Terdeteksi dan tidak benar (FP)	Keterangan FN	Keterangan FP	Accuracy
								Recall
1	01-10-2022 12:34:25_7West Camera 3.jpg	0	0	0	0			#DIV/0!
2	01-10-2023 11:45:06_7West Camera 3.jpg	1	1	0	0			100%
3	01-10-2023 11:45:11_7West Camera 3.jpg	1	1	0	0			100%
4	01-10-2023 11:45:16_7West Camera 3.jpg	1	1	0	0			100%
5	01-10-2023 11:45:21_7West Camera 3.jpg	1	1	0	0			100%
6	01-10-2023 11:45:26_7West Camera 3.jpg	1	1	0	0			100%
7	01-10-2023 11:45:31_7West Camera 3.jpg	1	1	0	0			100%
8	01-10-2023 11:45:36_7West Camera 3.jpg	1	1	0	0			100%
9	01-10-2023 11:45:41_7West Camera 3.jpg	1	1	0	0			100%
10	01-10-2023 11:45:46_7West Camera 3.jpg	1	1	0	0			100%

11	01-10-2023 11:45:51_7West Camera 3.jpg	1	1	0	0			100%
12	01-10-2023 11:52:56_7West Camera 3.jpg	0	0	0	0			#DIV/0!
13	01-10-2023 11:53:01_7West Camera 3.jpg	0	0	0	0			#DIV/0!
14	01-10-2023 11:53:06_7West Camera 3.jpg	0	0	0	0			#DIV/0!
15	01-10-2023 11:53:11_7West Camera 3.jpg	0	0	0	0			#DIV/0!
16	01-10-2023 11:53:16_7West Camera 3.jpg	0	0	0	1			#DIV/0!
17	01-10-2023 11:53:21_7West Camera 3.jpg	0	0	0	0			#DIV/0!
18	01-10-2023 11:53:26_7West Camera 3.jpg	0	0	0	0			#DIV/0!
19	01-10-2023 11:53:31_7West Camera 3.jpg	0	0	0	0			#DIV/0!
20	01-10-2023 11:53:36_7West Camera 3.jpg	0	0	0	1			#DIV/0!
21	01-10-2023 11:53:41_7West Camera 3.jpg	0	0	0	1			#DIV/0!
22	01-10-2023 11:53:46_7West Camera 3.jpg	0	0	0	0			#DIV/0!
23	01-10-2023 11:53:51_7West Camera 3.jpg	0	0	0	1			#DIV/0!
24	01-10-2023 11:55:21_7West Camera 3.jpg	0	0	0	0			#DIV/0!

25	01-10-2023 11:55:26_7West Camera 3.jpg	0	0	0	0			#DIV/0!
26	01-10-2023 11:55:31_7West Camera 3.jpg	0	0	0	0			#DIV/0!
27	01-10-2023 11:55:36_7West Camera 3.jpg	0	0	0	1		Excavator terdeteksi sebagai HD belakang	#DIV/0!
28	01-10-2023 11:55:41_7West Camera 3.jpg	0	0	0	0			#DIV/0!
29	01-10-2023 11:55:46_7West Camera 3.jpg	0	0	0	1		Excavator terdeteksi sebagai HD belakang	#DIV/0!
30	01-10-2023 11:55:51_7West Camera 3.jpg	0	0	0	1		Excavator terdeteksi sebagai HD belakang	#DIV/0!
31	01-10-2023 11:55:56_7West Camera 3.jpg	0	0	0	0			#DIV/0!
32	01-10-2023 11:56:01_7West Camera 3.jpg	0	0	0	0			#DIV/0!
33	01-10-2023 11:56:06_7West Camera 3.jpg	0	0	0	1		Excavator terdeteksi sebagai HD belakang	#DIV/0!
34	01-10-2023 11:56:11_7West Camera 3.jpg	0	0	0	1		Excavator terdeteksi sebagai HD belakang	#DIV/0!

35	01-10-2023 11:56:16_7West Camera 3.jpg	0	0	0	1		Excavator terdeteksi sebagai HD belakang	#DIV/0!
36	01-10-2023 11:56:21_7West Camera 3.jpg	0	0	0	1		Excavator terdeteksi sebagai HD belakang	#DIV/0!
37	01-10-2023 11:56:26_7West Camera 3.jpg	0	0	0	0			#DIV/0!
38	01-10-2023 11:56:31_7West Camera 3.jpg	0	0	0	1		Excavator terdeteksi sebagai HD belakang	#DIV/0!
39	01-10-2023 11:56:36_7West Camera 3.jpg	0	0	0	1		Excavator terdeteksi sebagai HD belakang	#DIV/0!
40	01-10-2023 11:58:01_7West Camera 3.jpg	2	2	0	0			100%
41	01-10-2023 11:58:06_7West Camera 3.jpg	2	2	0	0			100%
42	01-10-2023 11:58:11_7West Camera 3.jpg	2	2	0	0			100%
43	01-10-2023 11:58:16_7West Camera 3.jpg	2	2	0	0			100%
44	01-10-2023 11:58:21_7West Camera 3.jpg	2	2	0	0			100%
45	01-10-2023 11:58:26_7West Camera 3.jpg	2	1	1	0	Objek tertutup		50%

						debu		
46	01-10-2023 11:58:31_7West Camera 3.jpg	2	1	1	0	Objek tertutup debu		50%
47	01-10-2023 11:58:36_7West Camera 3.jpg	0	0	0	0			#DIV/0!
48	01-10-2023 11:58:41_7West Camera 3.jpg	0	0	0	0			#DIV/0!
49	01-10-2023 11:58:46_7West Camera 3.jpg	0	0	0	1		HD-S-Ki terdeteksi sebagai HD-B	#DIV/0!
50	01-10-2023 11:58:51_7West Camera 3.jpg	0	0	0	1		HD-S-Ki terdeteksi sebagai HD-B	#DIV/0!
51	01-10-2023 10:01:20_7West Camera 3.jpg	1	1	0	0			100%
52	01-10-2023 10:01:25_7West Camera 3.jpg	1	1	0	0			100%
53	01-10-2023 10:01:30_7West Camera 3.jpg	0	0	0	0			#DIV/0!
54	01-10-2023 10:01:35_7West Camera 3.jpg	1	1	0	0			100%
55	01-10-2023 10:01:40_7West Camera 3.jpg	1	1	0	0			100%

56	01-10-2023 10:01:45_7West Camera 3.jpg	1	1	0	1		Excavator terdeteksi sebagai HD belakang	100%
57	01-10-2023 10:01:50_7West Camera 3.jpg	1	1	0	0			100%
58	01-10-2023 10:01:55_7West Camera 3.jpg	1	1	0	0			100%
59	01-10-2023 10:02:00_7West Camera 3.jpg	1	1	0	0			100%
60	01-10-2023 10:02:05_7West Camera 3.jpg	1	1	0	0			100%
61	01-10-2023 10:05:20_7West Camera 3.jpg	0	0	0	0			#DIV/0!
62	01-10-2023 10:05:25_7West Camera 3.jpg	0	0	0	0			#DIV/0!
63	01-10-2023 10:05:30_7West Camera 3.jpg	0	0	0	1		HD-D-Ka terdeteksi sebagai HD-B	#DIV/0!
64	01-10-2023 10:05:35_7West Camera 3.jpg	0	0	0	0			#DIV/0!
65	01-10-2023 10:05:40_7West Camera 3.jpg	0	0	0	0			#DIV/0!
66	01-10-2023 10:05:45_7West Camera 3.jpg	0	0	0	1		Salah deteksi	#DIV/0!
67	01-10-2023 10:05:50_7West Camera 3.jpg	1	0	1	1		Salah deteksi	0%

68	01-10-2023 10:05:55_7West Camera 3.jpg	1	0	1	0	Objek blur		0%
69	01-10-2023 10:06:00_7West Camera 3.jpg	0	0	0	0			#DIV/0!
70	01-10-2023 10:06:05_7West Camera 3.jpg	0	0	0	0			#DIV/0!
71	23-02-2023 10:14:45_7West Camera 3.jpg	0	0	0	0			#DIV/0!
72	23-02-2023 10:14:50_7West Camera 3.jpg	0	0	0	0			#DIV/0!
Total		35	31	4	19			

Lampiran 7. Tabel Perhitungan Akurasi Hasil *Testing* HD-S-Ka 6 Kategori

HD-S-Ka								
No	CCTV	Hasil Pengamatan	Terdeteksi dan Benar (TP)	Tidak Terdeteksi (FN)	Terdeteksi dan tidak benar (FP)	Keterangan FN	Keterangan FP	Accuracy
								Recall
1	01-10-2022 12:34:25_7West Camera 3.jpg	0	0	0	0			#DIV/0!
2	01-10-2023 11:45:06_7West Camera 3.jpg	1	1	0	0			100%
3	01-10-2023 11:45:11_7West Camera 3.jpg	1	1	0	0			100%

4	01-10-2023 11:45:16_7West Camera 3.jpg	0	0	0	0			#DIV/0!
5	01-10-2023 11:45:21_7West Camera 3.jpg	0	0	0	0			#DIV/0!
6	01-10-2023 11:45:26_7West Camera 3.jpg	0	0	0	0			#DIV/0!
7	01-10-2023 11:45:31_7West Camera 3.jpg	0	0	0	1		Salah Deteksi	#DIV/0!
8	01-10-2023 11:45:36_7West Camera 3.jpg	0	0	0	0			#DIV/0!
9	01-10-2023 11:45:41_7West Camera 3.jpg	0	0	0	1			#DIV/0!
10	01-10-2023 11:45:46_7West Camera 3.jpg	0	0	0	2			#DIV/0!
11	01-10-2023 11:45:51_7West Camera 3.jpg	0	0	0	0			#DIV/0!
12	01-10-2023 11:52:56_7West Camera 3.jpg	0	0	0	0			#DIV/0!
13	01-10-2023 11:53:01_7West Camera 3.jpg	0	0	0	0			#DIV/0!
14	01-10-2023 11:53:06_7West Camera 3.jpg	0	0	0	0			#DIV/0!
15	01-10-2023 11:53:11_7West Camera 3.jpg	0	0	0	0			#DIV/0!
16	01-10-2023 11:53:16_7West Camera 3.jpg	0	0	0	0			#DIV/0!
17	01-10-2023 11:53:21_7West Camera 3.jpg	0	0	0	0			#DIV/0!
18	01-10-2023 11:53:26_7West Camera 3.jpg	0	0	0	0			#DIV/0!

19	01-10-2023 11:53:31_7West Camera 3.jpg	0	0	0	0			#DIV/0!
20	01-10-2023 11:53:36_7West Camera 3.jpg	0	0	0	1			#DIV/0!
21	01-10-2023 11:53:41_7West Camera 3.jpg	0	0	0	0			#DIV/0!
22	01-10-2023 11:53:46_7West Camera 3.jpg	0	0	0	0			#DIV/0!
23	01-10-2023 11:53:51_7West Camera 3.jpg	0	0	0	0			#DIV/0!
24	01-10-2023 11:55:21_7West Camera 3.jpg	0	0	0	0			#DIV/0!
25	01-10-2023 11:55:26_7West Camera 3.jpg	0	0	0	0			#DIV/0!
26	01-10-2023 11:55:31_7West Camera 3.jpg	0	0	0	0			#DIV/0!
27	01-10-2023 11:55:36_7West Camera 3.jpg	0	0	0	0			#DIV/0!
28	01-10-2023 11:55:41_7West Camera 3.jpg	0	0	0	0			#DIV/0!
29	01-10-2023 11:55:46_7West Camera 3.jpg	0	0	0	0			#DIV/0!
30	01-10-2023 11:55:51_7West Camera 3.jpg	0	0	0	0			#DIV/0!
31	01-10-2023 11:55:56_7West Camera 3.jpg	0	0	0	0			#DIV/0!
32	01-10-2023 11:56:01_7West Camera 3.jpg	0	0	0	0			#DIV/0!
33	01-10-2023 11:56:06_7West Camera 3.jpg	0	0	0	0			#DIV/0!

34	01-10-2023 11:56:11_7West Camera 3.jpg	0	0	0	0			#DIV/0!
35	01-10-2023 11:56:16_7West Camera 3.jpg	0	0	0	0			#DIV/0!
36	01-10-2023 11:56:21_7West Camera 3.jpg	0	0	0	0			#DIV/0!
37	01-10-2023 11:56:26_7West Camera 3.jpg	0	0	0	0			#DIV/0!
38	01-10-2023 11:56:31_7West Camera 3.jpg	0	0	0	0			#DIV/0!
39	01-10-2023 11:56:36_7West Camera 3.jpg	0	0	0	0			#DIV/0!
40	01-10-2023 11:58:01_7West Camera 3.jpg	1	0	1	1	Objek blur	HD-S-Ki terdeteksi sebagai HD-S-Ka	0%
41	01-10-2023 11:58:06_7West Camera 3.jpg	1	0	1	0	Objek blur		0%
42	01-10-2023 11:58:11_7West Camera 3.jpg	1	0	1	0	Objek blur		0%
43	01-10-2023 11:58:16_7West Camera 3.jpg	1	0	1	0	Objek blur		0%
44	01-10-2023 11:58:21_7West Camera 3.jpg	1	0	1	0	Objek blur		0%
45	01-10-2023 11:58:26_7West Camera 3.jpg	1	0	1	0	Objek blur		0%
46	01-10-2023 11:58:31_7West Camera 3.jpg	1	0	1	0	Objek blur		0%
47	01-10-2023 11:58:36_7West Camera 3.jpg	2	0	2	0	Objek blur		0%

48	01-10-2023 11:58:41_7West Camera 3.jpg	2	0	2	1	Objek blur	HD-S-Ki terdeteksi sebagai HD-S-Ka	0%
49	01-10-2023 11:58:46_7West Camera 3.jpg	2	0	2	0	Objek blur		0%
50	01-10-2023 11:58:51_7West Camera 3.jpg	2	1	1	2	Objek blur		50%
51	01-10-2023 10:01:20_7West Camera 3.jpg	2	2	0	0			100%
52	01-10-2023 10:01:25_7West Camera 3.jpg	1	1	0	0			100%
53	01-10-2023 10:01:30_7West Camera 3.jpg	1	1	0	1		Frame berlebihan	100%
54	01-10-2023 10:01:35_7West Camera 3.jpg	1	1	0	1		HD-D terdeteksi sebagai HD-S-Ka	100%
55	01-10-2023 10:01:40_7West Camera 3.jpg	1	0	1	2	Objek tidak dikenali	Frame berlebihan	0%
56	01-10-2023 10:01:45_7West Camera 3.jpg	0	0	0	1		HD-S-Ki terdeteksi sebagai HD-S-Ka	#DIV/0!
57	01-10-2023 10:01:50_7West Camera 3.jpg	1	0	1	0	Objek tidak dikenali		0%

58	01-10-2023 10:01:55_7West Camera 3.jpg	1	1	0	1		Frame berlebihan	100%
59	01-10-2023 10:02:00_7West Camera 3.jpg	1	1	0	1		Frame berlebihan	100%
60	01-10-2023 10:02:05_7West Camera 3.jpg	1	1	0	1		Frame berlebihan	100%
61	01-10-2023 10:05:20_7West Camera 3.jpg	3	0	3	0	Objek Blur		0%
62	01-10-2023 10:05:25_7West Camera 3.jpg	0	0	0	1		HD-S-Ki terdeteksi sebagai HD-S-Ka	#DIV/0!
63	01-10-2023 10:05:30_7West Camera 3.jpg	1	1	0	0			100%
64	01-10-2023 10:05:35_7West Camera 3.jpg	2	1	0	1		Objek tidak dikenali	100%
65	01-10-2023 10:05:40_7West Camera 3.jpg	3	2	1	0			67%
66	01-10-2023 10:05:45_7West Camera 3.jpg	3	0	0	0			#DIV/0!
67	01-10-2023 10:05:50_7West Camera 3.jpg	2	0	2	0	Objek tidak dikenali		0%
68	01-10-2023 10:05:55_7West Camera 3.jpg	2	1	1	0	Objek tidak dikenali		50%
69	01-10-2023 10:06:00_7West Camera 3.jpg	2	2	0	0			100%

70	01-10-2023 10:06:05_7West Camera 3.jpg	4	3	1	0			75%
71	23-02-2023 10:14:45_7West Camera 3.jpg	4	2	2	0	Objek tidak dikenali		50%
72	23-02-2023 10:14:50_7West Camera 3.jpg	4	1	3	0	Objek tidak dikenali		25%
Total		55	22	29	14			

Lampiran 8. Tabel Perhitungan Akurasi Hasil *Testing* HD-S-Ki 6 Kategori

HD-S-Ki								
No	CCTV	Hasil Pengamatan	Terdeteksi dan Benar (TP)	Tidak Terdeteksi (FN)	Terdeteksi dan tidak benar (FP)	Keterangan FN	Keterangan FP	Accuracy
								Recall
1	01-10-2022 12:34:25_7West Camera 3.jpg	0	0	0	0			#DIV/0!
2	01-10-2023 11:45:06_7West Camera 3.jpg	0	0	0	0			#DIV/0!
3	01-10-2023 11:45:11_7West Camera 3.jpg	0	0	0	0			#DIV/0!
4	01-10-2023 11:45:16_7West Camera 3.jpg	0	0	0	0			#DIV/0!

5	01-10-2023 11:45:21_7West Camera 3.jpg	0	0	0	0			#DIV/0!
6	01-10-2023 11:45:26_7West Camera 3.jpg	0	0	0	0			#DIV/0!
7	01-10-2023 11:45:31_7West Camera 3.jpg	1	1	0	0			100%
8	01-10-2023 11:45:36_7West Camera 3.jpg	1	1	0	0			100%
9	01-10-2023 11:45:41_7West Camera 3.jpg	1	0	0	1			#DIV/0!
10	01-10-2023 11:45:46_7West Camera 3.jpg	0	0	0	0			#DIV/0!
11	01-10-2023 11:45:51_7West Camera 3.jpg	0	0	0	0			#DIV/0!
12	01-10-2023 11:52:56_7West Camera 3.jpg	0	0	0	0			#DIV/0!
13	01-10-2023 11:53:01_7West Camera 3.jpg	0	0	0	0			#DIV/0!
14	01-10-2023 11:53:06_7West Camera 3.jpg	0	0	0	0			#DIV/0!
15	01-10-2023 11:53:11_7West Camera 3.jpg	0	0	0	0			#DIV/0!
16	01-10-2023 11:53:16_7West Camera 3.jpg	0	0	0	0			#DIV/0!
17	01-10-2023 11:53:21_7West Camera 3.jpg	0	0	0	0			#DIV/0!
18	01-10-2023 11:53:26_7West Camera 3.jpg	0	0	0	0			#DIV/0!
19	01-10-2023 11:53:31_7West Camera 3.jpg	0	0	0	0			#DIV/0!

20	01-10-2023 11:53:36_7West Camera 3.jpg	0	0	0	0			#DIV/0!
21	01-10-2023 11:53:41_7West Camera 3.jpg	0	0	0	0			#DIV/0!
22	01-10-2023 11:53:46_7West Camera 3.jpg	0	0	0	0			#DIV/0!
23	01-10-2023 11:53:51_7West Camera 3.jpg	0	0	0	0			#DIV/0!
24	01-10-2023 11:55:21_7West Camera 3.jpg	0	0	0	0			#DIV/0!
25	01-10-2023 11:55:26_7West Camera 3.jpg	0	0	0	0			#DIV/0!
26	01-10-2023 11:55:31_7West Camera 3.jpg	0	0	0	0			#DIV/0!
27	01-10-2023 11:55:36_7West Camera 3.jpg	0	0	0	0			#DIV/0!
28	01-10-2023 11:55:41_7West Camera 3.jpg	0	0	0	0			#DIV/0!
29	01-10-2023 11:55:46_7West Camera 3.jpg	0	0	0	0			#DIV/0!
30	01-10-2023 11:55:51_7West Camera 3.jpg	0	0	0	0			#DIV/0!
31	01-10-2023 11:55:56_7West Camera 3.jpg	0	0	0	0			#DIV/0!
32	01-10-2023 11:56:01_7West Camera 3.jpg	0	0	0	0			#DIV/0!
33	01-10-2023 11:56:06_7West Camera 3.jpg	0	0	0	0			#DIV/0!
34	01-10-2023 11:56:11_7West Camera 3.jpg	0	0	0	0			#DIV/0!

35	01-10-2023 11:56:16_7West Camera 3.jpg	0	0	0	0			#DIV/0!
36	01-10-2023 11:56:21_7West Camera 3.jpg	0	0	0	0			#DIV/0!
37	01-10-2023 11:56:26_7West Camera 3.jpg	0	0	0	0			#DIV/0!
38	01-10-2023 11:56:31_7West Camera 3.jpg	0	0	0	0			#DIV/0!
39	01-10-2023 11:56:36_7West Camera 3.jpg	0	0	0	0			#DIV/0!
40	01-10-2023 11:58:01_7West Camera 3.jpg	2	0	2	0			0%
41	01-10-2023 11:58:06_7West Camera 3.jpg	2	0	2	0			0%
42	01-10-2023 11:58:11_7West Camera 3.jpg	2	0	2	0			0%
43	01-10-2023 11:58:16_7West Camera 3.jpg	2	0	0	0			#DIV/0!
44	01-10-2023 11:58:21_7West Camera 3.jpg	2	1	1	0	Objek blur		50%
45	01-10-2023 11:58:26_7West Camera 3.jpg	1	0	1	0	Objek blur		0%
46	01-10-2023 11:58:31_7West Camera 3.jpg	1	0	1	0	Objek blur		0%
47	01-10-2023 11:58:36_7West Camera 3.jpg	4	0	4	0	Objek tidak jelas		0%
48	01-10-2023 11:58:41_7West Camera 3.jpg	3	0	3	0	Objek tidak jelas		0%
49	01-10-2023 11:58:46_7West Camera 3.jpg	3	0	3	0	Objek tidak jelas		0%

50	01-10-2023 11:58:51_7West Camera 3.jpg	1	0	1	0	Objek blur		0%
51	01-10-2023 10:01:20_7West Camera 3.jpg	0	0	0	0			#DIV/0!
52	01-10-2023 10:01:25_7West Camera 3.jpg	1	1	0	0			100%
53	01-10-2023 10:01:30_7West Camera 3.jpg	1	1	0	0			100%
54	01-10-2023 10:01:35_7West Camera 3.jpg	0	0	0	0			#DIV/0!
55	01-10-2023 10:01:40_7West Camera 3.jpg	0	0	0	0			#DIV/0!
56	01-10-2023 10:01:45_7West Camera 3.jpg	1	0	1	0	Objek bertumpuk		0%
57	01-10-2023 10:01:50_7West Camera 3.jpg	1	1	0	0			100%
58	01-10-2023 10:01:55_7West Camera 3.jpg	1	1	0	0			100%
59	01-10-2023 10:02:00_7West Camera 3.jpg	1	1	0	0			100%
60	01-10-2023 10:02:05_7West Camera 3.jpg	1	1	0	0			100%
61	01-10-2023 10:05:20_7West Camera 3.jpg	1	0	1	0	Objek blur		0%
62	01-10-2023 10:05:25_7West Camera 3.jpg	1	0	1	0	Objek blur		0%

63	01-10-2023 10:05:30_7West Camera 3.jpg	2	0	2	1	Objek blur	HD-S-Ki terdeteksi sebagai HD-S-Ka	0%
64	01-10-2023 10:05:35_7West Camera 3.jpg	2	1	1	0	Objek tidak dikenali		50%
65	01-10-2023 10:05:40_7West Camera 3.jpg	2	0	2	0	Objek tidak dikenali		0%
66	01-10-2023 10:05:45_7West Camera 3.jpg	2	1	0	1		Salah deteksi	100%
67	01-10-2023 10:05:50_7West Camera 3.jpg	2	2	0	0			100%
68	01-10-2023 10:05:55_7West Camera 3.jpg	1	0	1	1	Objek tidak dikenali	Salah deteksi	0%
69	01-10-2023 10:06:00_7West Camera 3.jpg	0	0	0	0			#DIV/0!
70	01-10-2023 10:06:05_7West Camera 3.jpg	1	0	1	0	Objek blur		0%
71	23-02-2023 10:14:45_7West Camera 3.jpg	0	0	0	1		Salah deteksi	#DIV/0!
72	23-02-2023 10:14:50_7West Camera 3.jpg	0	0	0	1		salah deteksi	#DIV/0!
Total		47	13	30	6			

Lampiran 9. Tabel Perhitungan Akurasi Hasil *Testing* LV 6 Kategori

LV								
No	CCTV	Hasil Pengamatan	Terdeteksi dan Benar (TP)	Tidak Terdeteksi (FN)	Terdeteksi dan tidak benar (FP)	Keterangan FN	Keterangan FP	Accuracy
								Recall
1	01-10-2022 12:34:25_7West Camera 3.jpg	3	3	0	0			100%
2	01-10-2023 11:45:06_7West Camera 3.jpg	0	0	0	0			#DIV/0!
3	01-10-2023 11:45:11_7West Camera 3.jpg	0	0	0	0			#DIV/0!
4	01-10-2023 11:45:16_7West Camera 3.jpg	0	0	0	0			#DIV/0!
5	01-10-2023 11:45:21_7West Camera 3.jpg	0	0	0	0			#DIV/0!
6	01-10-2023 11:45:26_7West Camera 3.jpg	0	0	0	0			#DIV/0!
7	01-10-2023 11:45:31_7West Camera 3.jpg	0	0	0	0			#DIV/0!
8	01-10-2023 11:45:36_7West Camera 3.jpg	0	0	0	0			#DIV/0!
9	01-10-2023 11:45:41_7West Camera 3.jpg	0	0	0	0			#DIV/0!
10	01-10-2023 11:45:46_7West Camera 3.jpg	0	0	0	0			#DIV/0!

11	01-10-2023 11:45:51_7West Camera 3.jpg	0	0	0	0			#DIV/0!
12	01-10-2023 11:52:56_7West Camera 3.jpg	3	2	0	1			100%
13	01-10-2023 11:53:01_7West Camera 3.jpg	3	2	0	1			100%
14	01-10-2023 11:53:06_7West Camera 3.jpg	3	2	1	0			67%
15	01-10-2023 11:53:11_7West Camera 3.jpg	3	2	1	0			67%
16	01-10-2023 11:53:16_7West Camera 3.jpg	3	2	1	0			67%
17	01-10-2023 11:53:21_7West Camera 3.jpg	0	0	0	0			#DIV/0!
18	01-10-2023 11:53:26_7West Camera 3.jpg	3	3	0	0			100%
19	01-10-2023 11:53:31_7West Camera 3.jpg	3	3	0	0			100%
20	01-10-2023 11:53:36_7West Camera 3.jpg	3	2	1	0			67%
21	01-10-2023 11:53:41_7West Camera 3.jpg	3	3	0	0			100%
22	01-10-2023 11:53:46_7West Camera 3.jpg	0	0	0	0			#DIV/0!
23	01-10-2023 11:53:51_7West Camera 3.jpg	3	3	0	0			100%
24	01-10-2023 11:55:21_7West Camera 3.jpg	0	0	0	0			#DIV/0!

25	01-10-2023 11:55:26_7West Camera 3.jpg	0	0	0	0			#DIV/0!
26	01-10-2023 11:55:31_7West Camera 3.jpg	0	0	0	0			#DIV/0!
27	01-10-2023 11:55:36_7West Camera 3.jpg	0	0	0	0			#DIV/0!
28	01-10-2023 11:55:41_7West Camera 3.jpg	0	0	0	0			#DIV/0!
29	01-10-2023 11:55:46_7West Camera 3.jpg	0	0	0	0			#DIV/0!
30	01-10-2023 11:55:51_7West Camera 3.jpg	0	0	0	0			#DIV/0!
31	01-10-2023 11:55:56_7West Camera 3.jpg	0	0	0	0			#DIV/0!
32	01-10-2023 11:56:01_7West Camera 3.jpg	0	0	0	0			#DIV/0!
33	01-10-2023 11:56:06_7West Camera 3.jpg	0	0	0	0			#DIV/0!
34	01-10-2023 11:56:11_7West Camera 3.jpg	0	0	0	0			#DIV/0!
35	01-10-2023 11:56:16_7West Camera 3.jpg	0	0	0	0			#DIV/0!
36	01-10-2023 11:56:21_7West Camera 3.jpg	0	0	0	0			#DIV/0!
37	01-10-2023 11:56:26_7West Camera 3.jpg	0	0	0	0			#DIV/0!
38	01-10-2023 11:56:31_7West Camera 3.jpg	0	0	0	0			#DIV/0!
39	01-10-2023 11:56:36_7West Camera 3.jpg	0	0	0	0			#DIV/0!

40	01-10-2023 11:58:01_7West Camera 3.jpg	0	0	0	0			#DIV/0!
41	01-10-2023 11:58:06_7West Camera 3.jpg	1	0	1	0	Objek Blur		0%
42	01-10-2023 11:58:11_7West Camera 3.jpg	1	0	1	0	Objek Blur		0%
43	01-10-2023 11:58:16_7West Camera 3.jpg	1	0	1	0	Objek Blur		0%
44	01-10-2023 11:58:21_7West Camera 3.jpg	1	0	1	0	Objek Blur		0%
45	01-10-2023 11:58:26_7West Camera 3.jpg	0	0	0	0			#DIV/0!
46	01-10-2023 11:58:31_7West Camera 3.jpg	0	0	0	0			#DIV/0!
47	01-10-2023 11:58:36_7West Camera 3.jpg	0	0	0	0			#DIV/0!
48	01-10-2023 11:58:41_7West Camera 3.jpg	0	0	0	0			#DIV/0!
49	01-10-2023 11:58:46_7West Camera 3.jpg	0	0	0	0			#DIV/0!
50	01-10-2023 11:58:51_7West Camera 3.jpg	0	0	0	0			#DIV/0!
51	01-10-2023 10:01:20_7West Camera 3.jpg	1	0	1	0	Objek Tak dikenali		0%
52	01-10-2023 10:01:25_7West Camera 3.jpg	1	0	1	0	Objek Tak dikenali		0%
53	01-10-2023 10:01:30_7West Camera 3.jpg	1	1	0	0			100%

54	01-10-2023 10:01:35_7West Camera 3.jpg	1	0	1	0	Objek Tak dikenali		0%
55	01-10-2023 10:01:40_7West Camera 3.jpg	1	0	1	0	Objek Tak dikenali		0%
56	01-10-2023 10:01:45_7West Camera 3.jpg	1	0	1	0	Objek Tak dikenali		0%
57	01-10-2023 10:01:50_7West Camera 3.jpg	0	0	0	0			#DIV/0!
58	01-10-2023 10:01:55_7West Camera 3.jpg	0	0	0	0			#DIV/0!
59	01-10-2023 10:02:00_7West Camera 3.jpg	0	0	0	0			#DIV/0!
60	01-10-2023 10:02:05_7West Camera 3.jpg	0	0	0	0			#DIV/0!
61	01-10-2023 10:05:20_7West Camera 3.jpg	0	0	0	0			#DIV/0!
62	01-10-2023 10:05:25_7West Camera 3.jpg	0	0	0	0			#DIV/0!
63	01-10-2023 10:05:30_7West Camera 3.jpg	0	0	0	0			#DIV/0!
64	01-10-2023 10:05:35_7West Camera 3.jpg	0	0	0	0			#DIV/0!
65	01-10-2023 10:05:40_7West Camera 3.jpg	0	0	0	0			#DIV/0!
66	01-10-2023 10:05:45_7West Camera 3.jpg	0	0	0	0			#DIV/0!

67	01-10-2023 10:05:50_7West Camera 3.jpg	0	0	0	0			#DIV/0!
68	01-10-2023 10:05:55_7West Camera 3.jpg	0	0	0	0			#DIV/0!
69	01-10-2023 10:06:00_7West Camera 3.jpg	1	1	0	0			100%
70	01-10-2023 10:06:05_7West Camera 3.jpg	0	0	0	0			#DIV/0!
71	23-02-2023 10:14:45_7West Camera 3.jpg	0	0	0	0			#DIV/0!
72	23-02-2023 10:14:50_7West Camera 3.jpg	1	0	1	0	Objek Blur		0%
Total		45	29	14	2			

Lampiran 10. Google drive Hasil Output Testing

https://drive.google.com/drive/folders/1WyVhHQlhRWpy1LnbHZflm8s6FQQN16Nw?usp=drive_link

BIODATA PENULIS



Penulis bernama lengkap Yana Suci Setiani, dilahirkan di Berau, 10 Juli 2001. Penulis merupakan anak tunggal dalam keluarga. Penulis telah menempuh pendidikan formal di SDN 002 Tanjung Redeb, SMPN 1 Tanjung Redeb, dan SMAN 2 Berau. Penulis meneruskan pendidikan di Poltek Simas Berau pada Program Studi Teknologi Rekayasa Logistik pada tahun 2019 dan terdaftar dengan NIM 19401001. Dalam masa perkuliahannya, penulis aktif mengikuti organisasi mahasiswa antara lain menjadi Sekretaris di Organisasi Paduan Suara Poltek Simas Berau Tahun 2020-2021. Penulis juga aktif dalam kegiatan kepanitiaan, salah satunya menjadi Seksi perlengkapan pada kegiatan acara *Colorfull Fun Run 5 Kilometer* yang diadakan oleh PT Berau Coal Pada Tahun 2019 dan menjadi panitia pada kegiatan bintalsik Poltek Simas Berau pada tahun 2022. Pada tahun 2021, penulis melaksanakan kegiatan KPI (Kuliah Praktik Industri) di *Head Office* PT Berau Coal selama 1 bulan. Lalu pada tahun 2022 penulis menjalankan kegiatan Prakerin (Praktik Kerja Industri) selama 6 bulan di *Head Office* PT Berau Coal. Pada akhir tahun perkuliahan, penulis menyusun skripsi dengan judul “Pengaruh Jumlah Kategori Terhadap Akurasi *Machine Learning* Di PT Berau Coal Area Binungan *Mining Operation 2* (BMO)”. Untuk keperluan penelitian penulis dapat dihubungi melalui e-mail: yanasucisetiani.trl19@gmail.com.

POLITEKNIK SINAR MAS
BERAU COAL

SURAT KETERANGAN

Saya yang bertanda tangan di bawah ini.

Nama Lengkap : Arif Widya S
 Jabatan : Senior Manager Mining Technology
 Departemen : Mining Technology
 Perusahaan : PT Berau Coal

Mengijinkan bahwa Tugas Akhir yang berjudul "Pengaruh Jumlah Kategori Terhadap Akurasi *Machine Learning* Di PT Berau Coal Area Binungan *Mining Operation 2* (BMO)" yang disusun oleh Yana Suci Setiani dengan NIM 19401001 akan dipublikasikan pada *repository* Poltek Simas Berau.

Saya menyatakan bahwa Tugas Akhir ini,
 (Silahkan pilih dengan memberi *checklist* pada pilihan yang disetujui pada pernyataan berikut)

1. Dipublikasikan secara **Langsung** ☒
2. Sebelum dipublikasikan penulis melakukan revisi dengan **menyamarkan nama perusahaan** ☐
3. Sebelum dipublikasikan penulis merevisi dengan **merekayasa data** yang digunakan dengan operasi aritmetik ☒

Departemen Mining Technology
 PT Berau Coal

Berau, 29 Agustus 2023
 Mahasiswa


 Arif Widya S


 Yana Suci Setiani



SURAT KETERANGAN

Dengan ini diterangkan bahwa TA/Skripsi yang ditulis oleh:

Nama : Yana Suci Setiani
NIM : 19401001
Prodi : Teknologi Rekayasa Logistik
Judul : Pengaruh Jumlah Kategori Terhadap Akurasi *Machine Learning*
di PT. Berau Coal Area Binungan *Mining Operation 2* (BMO)

Berdasarkan hasil *scanning* menunjukkan tingkat plagiasi sebesar 8% dan memenuhi syarat untuk tahapan selanjutnya dengan ketentuan yang berlaku.

Demikian surat ini dibuat untuk dipergunakan sebagaimana mestinya.

Berau, 15 Agustus 2023

Sei Perpustakaan,

