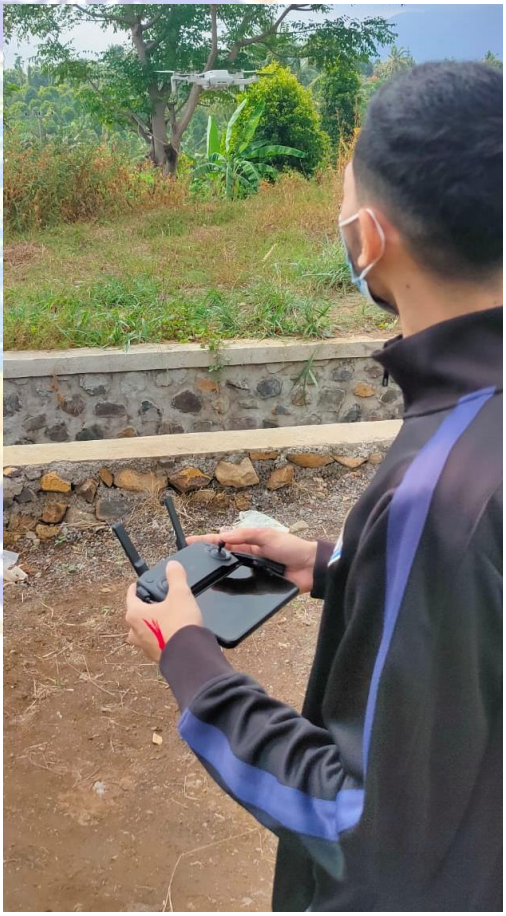
LAMPIRAN

Lampiran 1. Dokumentasi Akuisisi Video dan Observasi.



Lampiran 2. Validitas Citra *Mask* pada Dataset.

No	Image	Recall1	Recall2
1	MB1 (1)	0.983	1.000
2	MB1 (10)	0.984	1.000
3	MB1 (100)	0.772	0.804
4	MB1 (101)	0.971	0.978
5	MB1 (102)	0.975	0.977
6	MB1 (103)	0.977	0.979
7	MB1 (104)	0.975	0.977
8	MB1 (105)	0.973	0.974
9	MB1 (106)	0.967	0.969
10	MB1 (107)	0.965	0.966
11	MB1 (108)	0.967	0.971
12	MB1 (109)	0.964	0.970
13	MB1 (11)	0.984	1.000
14	MB1 (110)	0.965	0.971
15	MB1 (111)	0.968	0.974
16	MB1 (112)	0.967	0.974
17	MB1 (113)	0.970	0.976
18	MB1 (114)	0.970	0.976
19	MB1 (115)	0.971	0.976
20	MB1 (116)	0.971	0.977
21	MB1 (117)	0.970	0.977
22	MB1 (118)	0.968	0.974
23	MB1 (119)	0.968	0.974
24	MB1 (12)	0.984	1.000
25	MB1 (120)	0.971	0.976
26	MB1 (121)	0.971	0.975
27	MB1 (122)	0.971	0.978
28	MB1 (123)	0.972	0.977
29	MB1 (124)	0.971	0.977
30	MB1 (125)	0.972	0.977
31	MB1 (126)	0.973	0.978
32	MB1 (127)	0.974	0.980
33	MB1 (128)	0.974	0.979
34	MB1 (129)	0.973	0.980
35	MB1 (13)	0.985	1.000
36	MB1 (130)	0.971	0.978
37	MB1 (131)	0.971	0.977
38	MB1 (132)	0.970	0.978
39	MB1 (133)	0.973	0.980
40	MB1 (134)	0.978	0.984
41	MB1 (135)	0.981	0.987
42	MB1 (136)	0.984	0.990
43	MB1 (137)	0.985	0.990
44	MB1 (138)	0.984	0.987
45	MB1 (139)	0.982	0.984
46	MB1 (14)	0.985	1.000
47	MB1 (140)	0.975	0.978
48	MB1 (141)	0.975	0.977
49	MB1 (142)	0.974	0.977
50	MB1 (143)	0.978	0.983
51	MB1 (144)	0.973	0.994
52	MB1 (145)	0.934	1.000
53	MB1 (146)	1.000	1.000
54	MB1 (147)	1.000	1.000
55	MB1 (148)	1.000	1.000
56	MB1 (149)	1.000	1.000
57	MB1 (15)	0.984	1.000
58	MB1 (150)	1.000	1.000
59	MB1 (151)	1.000	1.000
60	MB1 (152)	1.000	1.000
61	MB1 (153)	1.000	1.000
62	MB1 (154)	1.000	1.000
63	MB1 (155)	1.000	1.000
64	MB1 (156)	1.000	1.000
65	MB1 (157)	1.000	1.000
66	MB1 (158)	1.000	1.000
67	MB1 (159)	1.000	1.000
68	MB1 (16)	0.984	1.000
69	MB1 (160)	1.000	1.000
70	MB1 (161)	1.000	1.000
71	MB1 (162)	1.000	1.000
72	MB1 (163)	1.000	1.000
73	MB1 (164)	1.000	1.000
74	MB1 (165)	1.000	1.000
75	MB1 (166)	0.953	0.964
76	MB1 (167)	0.981	0.985
77	MB1 (168)	0.985	0.988
78	MB1 (169)	0.984	0.989
79	MB1 (17)	0.985	1.000
80	MB1 (170)	0.986	0.993
81	MB1 (171)	0.986	0.991
82	MB1 (172)	0.985	0.991
83	MB1 (173)	0.984	0.989
84	MB1 (174)	0.984	0.989
85	MB1 (175)	0.982	0.989
86	MB1 (176)	0.983	0.988
87	MB1 (177)	0.983	0.988
88	MB1 (178)	0.983	0.988
89	MB1 (179)	0.982	0.988
90	MB1 (18)	0.985	1.000
91	MB1 (180)	0.983	0.988
92	MB1 (181)	0.982	0.988
93	MB1 (182)	0.983	0.989
94	MB1 (183)	0.983	0.988
95	MB1 (184)	0.983	0.989
96	MB1 (185)	0.984	0.989
97	MB1 (186)	0.983	0.989
98	MB1 (187)	0.984	0.989
99	MB1 (188)	0.984	0.989
100	MB1 (189)	0.983	0.989
101	MB1 (19)	0.985	1.000
102	MB1 (190)	0.984	0.990
103	MB1 (191)	0.984	0.989
104	MB1 (192)	0.985	0.990
105	MB1 (193)	0.984	0.990
106	MB1 (194)	0.984	0.990
107	MB1 (195)	0.984	0.990
108	MB1 (196)	0.984	0.990
109	MB1 (197)	0.983	0.990
110	MB1 (198)	0.983	0.989
111	MB1 (199)	0.982	0.987
112	MB1 (2)	0.983	1.000
113	MB1 (20)	0.985	1.000
114	MB1 (200)	0.980	0.986
115	MB1 (201)	0.979	0.989
116	MB1 (202)	0.980	0.991
117	MB1 (203)	0.981	0.993
118	MB1 (204)	0.984	0.995
119	MB1 (205)	0.986	0.998
120	MB1 (206)	0.987	1.000
121	MB1 (207)	0.986	1.000
122	MB1 (208)	0.982	0.999
123	MB1 (209)	0.973	0.999
124	MB1 (21)	0.985	1.000
125	MB1 (210)	0.896	0.998
126	MB1 (211)	1.000	1.000
127	MB1 (212)	1.000	1.000
128	MB1 (213)	1.000	1.000
129	MB1 (214)	1.000	1.000
130	MB1 (215)	1.000	1.000
131	MB1 (216)	1.000	1.000
132	MB1 (217)	1.000	1.000
133	MB1 (218)	1.000	1.000
134	MB1 (219)	1.000	1.000
135	MB1 (22)	0.984	1.000
136	MB1 (220)	1.000	1.000
137	MB1 (221)	1.000	1.000
138	MB1 (222)	1.000	1.000
139	MB1 (223)	1.000	1.000
140	MB1 (224)	1.000	1.000
141	MB1 (225)	1.000	1.000
142	MB1 (226)	1.000	1.000
143	MB1 (227)	1.000	1.000
144	MB1 (228)	1.000	1.000
145	MB1 (229)	1.000	1.000
146	MB1 (23)	0.984	1.000
147	MB1 (230)	1.000	1.000
148	MB1 (231)	1.000	1.000
149	MB1 (232)	1.000	1.000
150	MB1 (233)	1.000	1.000
151	MB1 (234)	1.000	1.000
152	MB1 (235)	1.000	1.000
153	MB1 (236)	1.000	1.000
154	MB1 (237)	0.935	0.948
155	MB1 (238)	0.973	0.977
156	MB1 (239)	0.974	0.977
157	MB1 (24)	0.984	1.000
158	MB1 (240)	0.968	0.971
159	MB1 (241)	0.964	0.965
160	MB1 (242)	0.967	0.968
161	MB1 (243)	0.963	0.969
162	MB1 (244)	0.966	0.971
163	MB1 (245)	0.969	0.976
164	MB1 (246)	0.970	0.975
165	MB1 (247)	0.969	0.974
166	MB1 (248)	0.973	0.977
167	MB1 (249)	0.974	0.978
168	MB1 (25)	0.985	1.000
169	MB1 (250)	0.972	0.978
170	MB1 (251)	0.972	0.980
171	MB1 (252)	0.971	0.976
172	MB1 (253)	0.971	0.977
173	MB1 (254)	0.972	0.976
174	MB1 (255)	0.971	0.976
175	MB1 (256)	0.970	0.977
176	MB1 (257)	0.975	0.979
177	MB1 (258)	0.972	0.976
178	MB1 (259)	0.972	0.979
179	MB1 (26)	0.985	1.000
180	MB1 (260)	0.974	0.978
181	MB1 (261)	0.974	0.979
182	MB1 (262)	0.976	0.981
183	MB1 (263)	0.973	0.979
184	MB1 (264)	0.972	0.979
185	MB1 (265)	0.972	0.979
186	MB1 (266)	0.974	0.978
187	MB1 (267)	0.974	0.978
188	MB1 (268)	0.977	0.982
189	MB1 (269)	0.981	0.986
190	MB1 (27)	0.985	1.000
191	MB1 (270)	0.981	0.988
192	MB1 (271)	0.983	0.989
193	MB1 (272)	0.983	0.989
194	MB1 (273)	0.985	0.990
195	MB1 (274)	0.980	0.983
196	MB1 (275)	0.980	0.983
197	MB1 (276)	0.975	0.977
198	MB1 (277)	0.976	0.978
199	MB1 (278)	0.976	0.978
200	MB1 (279)	0.977	0.990
201	MB1 (28)	0.985	1.000
202	MB1 (280)	0.960	1.000
203	MB1 (281)	0.811	1.000
204	MB1 (282)	1.000	1.000
205	MB1 (283)	1.000	1.000
206	MB1 (284)	1.000	1.000
207	MB1 (285)	1.000	1.000
208	MB1 (286)	1.000	1.000
209	MB1 (287)	1.000	1.000
210	MB1 (288)	1.000	1.000
211	MB1 (289)	1.000	1.000
212	MB1 (29)	0.984	1.000
213	MB1 (290)	1.000	1.000
214	MB1 (291)	1.000	1.000
215	MB1 (292)	1.000	1.000
216	MB1 (293)	1.000	1.000
217	MB1 (294)	1.000	1.000
218	MB1 (295)	1.000	1.000
219	MB1 (296)	1.000	1.000
220	MB1 (297)	0.938	0.949
221	MB1 (298)	0.980	0.985
222	MB1 (299)	0.986	0.988
223	MB1 (3)	0.983	1.000
224	MB1 (30)	0.984	1.000
225	MB1 (300)	0.988	0.991
226	MB1 (301)	0.986	0.991
227	MB1 (302)	0.986	0.992
228	MB1 (303)	0.987	0.992
229	MB1 (304)	0.985	0.990
230	MB1 (305)	0.986	0.993
231	MB1 (306)	0.985	0.992
232	MB1 (307)	0.987	0.994
233	MB1 (308)	0.986	0.994
234	MB1 (309)	0.985	0.993
235	MB1 (31)	0.984	1.000
236	MB1 (310)	0.986	0.994
237	MB1 (311)	0.986	0.994
238	MB1 (312)	0.985	0.992
239	MB1 (313)	0.986	0.991
240	MB1 (314)	0.984	0.989
241	MB1 (315)	0.984	0.990
242	MB1 (316)	0.984	0.990
243	MB1 (317)	0.984	0.990
244	MB1 (318)	0.985	0.990
245	MB1 (319)	0.985	0.990

246	MB1 (32)	0.983	1.000
247	MB1 (320)	0.985	0.991
248	MB1 (321)	0.984	0.990
249	MB1 (322)	0.984	0.989
250	MB1 (323)	0.984	0.999
251	MB1 (324)	0.983	0.999
252	MB1 (325)	0.981	1.000
253	MB1 (326)	0.978	0.999
254	MB1 (327)	0.976	1.000
255	MB1 (328)	0.969	0.999
256	MB1 (329)	0.957	0.999
257	MB1 (33)	0.984	1.000
258	MB1 (330)	0.935	0.998
259	MB1 (331)	0.815	0.991
260	MB1 (332)	1.000	1.000
261	MB1 (333)	1.000	1.000
262	MB1 (334)	1.000	1.000
263	MB1 (335)	0.785	0.999
264	MB1 (336)	0.920	0.998
265	MB1 (337)	0.948	0.999
266	MB1 (338)	0.957	0.999
267	MB1 (339)	0.970	1.000
268	MB1 (34)	0.984	1.000
269	MB1 (340)	0.975	1.000
270	MB1 (341)	0.975	0.999
271	MB1 (342)	0.977	1.000
272	MB1 (343)	0.977	0.999
273	MB1 (344)	0.978	0.999
274	MB1 (345)	0.978	0.999
275	MB1 (346)	0.969	0.990
276	MB1 (347)	0.971	0.987
277	MB1 (348)	0.979	0.991
278	MB1 (349)	0.982	0.992
279	MB1 (35)	0.984	1.000
280	MB1 (350)	0.982	0.993
281	MB1 (351)	0.986	0.996
282	MB1 (352)	0.988	0.998
283	MB1 (353)	0.987	0.995
284	MB1 (354)	0.986	0.992
285	MB1 (355)	0.984	0.990
286	MB1 (356)	0.984	0.990
287	MB1 (357)	0.984	0.991
288	MB1 (358)	0.984	0.990
289	MB1 (359)	0.983	0.989
290	MB1 (36)	0.973	0.989
291	MB1 (360)	0.983	0.988
292	MB1 (361)	0.983	0.988
293	MB1 (362)	0.984	1.000
294	MB1 (363)	0.984	1.000
295	MB1 (364)	0.984	1.000
296	MB1 (365)	0.983	1.000
297	MB1 (366)	0.983	1.000
298	MB1 (367)	0.983	1.000
299	MB1 (368)	0.983	1.000
300	MB1 (369)	0.982	1.000
301	MB1 (37)	0.980	0.992
302	MB1 (370)	0.983	1.000
303	MB1 (371)	0.983	1.000
304	MB1 (372)	0.982	1.000
305	MB1 (373)	0.982	1.000
306	MB1 (374)	0.982	1.000
307	MB1 (375)	0.982	0.997
308	MB1 (376)	0.981	0.995
309	MB1 (377)	0.978	0.992
310	MB1 (378)	0.979	0.985
311	MB1 (379)	0.973	0.980
312	MB1 (38)	0.982	0.993
313	MB1 (380)	0.979	0.981
314	MB1 (381)	0.980	0.984
315	MB1 (382)	0.979	0.983
316	MB1 (383)	0.979	0.981
317	MB1 (39)	0.981	0.993
318	MB1 (4)	0.983	1.000
319	MB1 (40)	0.982	0.994
320	MB1 (41)	0.983	0.995
321	MB1 (42)	0.985	0.998
322	MB1 (43)	0.985	0.998
323	MB1 (44)	0.983	0.997
324	MB1 (45)	0.981	0.997
325	MB1 (46)	0.982	0.996
326	MB1 (47)	0.982	0.996
327	MB1 (48)	0.981	0.995
328	MB1 (49)	0.975	0.993
329	MB1 (5)	0.983	1.000
330	MB1 (50)	0.983	0.992
331	MB1 (51)	0.983	0.990
332	MB1 (52)	0.982	0.988
333	MB1 (53)	0.982	0.987
334	MB1 (54)	0.982	0.987
335	MB1 (55)	0.982	0.988
336	MB1 (56)	0.981	0.988
337	MB1 (57)	0.982	0.988
338	MB1 (58)	0.982	0.987
339	MB1 (59)	0.982	0.988
340	MB1 (6)	0.982	1.000
341	MB1 (60)	0.983	0.989
342	MB1 (61)	0.982	0.988
343	MB1 (62)	0.982	0.988
344	MB1 (63)	0.982	0.988
345	MB1 (64)	0.982	0.988
346	MB1 (65)	0.982	0.988
347	MB1 (66)	0.982	0.989
348	MB1 (67)	0.982	0.989
349	MB1 (68)	0.982	0.992
350	MB1 (69)	0.981	0.993
351	MB1 (7)	0.978	1.000
352	MB1 (70)	0.979	0.993
353	MB1 (71)	0.976	0.994
354	MB1 (72)	0.976	0.997
355	MB1 (73)	0.980	1.000
356	MB1 (74)	0.984	0.998
357	MB1 (75)	0.983	0.997
358	MB1 (76)	0.984	0.998
359	MB1 (77)	0.980	0.999
360	MB1 (78)	0.973	1.000
361	MB1 (79)	0.928	0.998
362	MB1 (8)	0.984	1.000
363	MB1 (80)	0.664	0.994
364	MB1 (81)	1.000	1.000
365	MB1 (82)	1.000	1.000
366	MB1 (83)	1.000	1.000
367	MB1 (84)	1.000	1.000
368	MB1 (85)	1.000	1.000
369	MB1 (86)	1.000	1.000
370	MB1 (87)	1.000	1.000
371	MB1 (88)	1.000	1.000
372	MB1 (89)	1.000	1.000
373	MB1 (9)	0.984	1.000
374	MB1 (90)	1.000	1.000
375	MB1 (91)	1.000	1.000
376	MB1 (92)	1.000	1.000
377	MB1 (93)	1.000	1.000
378	MB1 (94)	1.000	1.000
379	MB1 (95)	1.000	1.000
380	MB1 (96)	1.000	1.000
381	MB1 (97)	1.000	1.000
382	MB1 (98)	1.000	1.000
383	MB1 (99)	1.000	1.000
384	MB2 (1)	0.983	1.000
385	MB2 (10)	0.984	1.000
386	MB2 (100)	1.000	1.000
387	MB2 (101)	1.000	1.000
388	MB2 (102)	1.000	1.000
389	MB2 (103)	1.000	1.000
390	MB2 (104)	1.000	1.000
391	MB2 (105)	1.000	1.000
392	MB2 (106)	1.000	1.000
393	MB2 (107)	1.000	1.000
394	MB2 (108)	1.000	1.000
395	MB2 (109)	1.000	1.000
396	MB2 (11)	0.984	1.000
397	MB2 (110)	1.000	1.000
398	MB2 (111)	1.000	1.000
399	MB2 (112)	1.000	1.000
400	MB2 (113)	1.000	1.000
401	MB2 (114)	0.604	0.679
402	MB2 (115)	0.966	0.973
403	MB2 (116)	0.977	0.979
404	MB2 (117)	0.976	0.979
405	MB2 (118)	0.978	0.980
406	MB2 (119)	0.972	0.974
407	MB2 (12)	0.984	1.000
408	MB2 (120)	0.972	0.974
409	MB2 (121)	0.966	0.967
410	MB2 (122)	0.967	0.967
411	MB2 (123)	0.966	0.971
412	MB2 (124)	0.966	0.971
413	MB2 (125)	0.966	0.973
414	MB2 (126)	0.967	0.974
415	MB2 (127)	0.969	0.975
416	MB2 (128)	0.969	0.975
417	MB2 (129)	0.970	0.975
418	MB2 (13)	0.984	1.000
419	MB2 (130)	0.968	0.976
420	MB2 (131)	0.968	0.974
421	MB2 (132)	0.969	0.975
422	MB2 (133)	0.970	0.975
423	MB2 (134)	0.970	0.974
424	MB2 (135)	0.970	0.975
425	MB2 (136)	0.969	0.975
426	MB2 (137)	0.970	0.976
427	MB2 (138)	0.970	0.976
428	MB2 (139)	0.972	0.978
429	MB2 (14)	0.985	1.000
430	MB2 (140)	0.973	0.976
431	MB2 (141)	0.972	0.977
432	MB2 (142)	0.974	0.980
433	MB2 (143)	0.973	0.979
434	MB2 (144)	0.973	0.979
435	MB2 (145)	0.973	0.979
436	MB2 (146)	0.975	0.980
437	MB2 (147)	0.972	0.979
438	MB2 (148)	0.972	0.978
439	MB2 (149)	0.974	0.979
440	MB2 (15)	0.985	1.000
441	MB2 (150)	0.976	0.983
442	MB2 (151)	0.981	0.988
443	MB2 (152)	0.985	0.991
444	MB2 (153)	0.986	0.991
445	MB2 (154)	0.986	0.990
446	MB2 (155)	0.982	0.985
447	MB2 (156)	0.978	0.980
448	MB2 (157)	0.976	0.979
449	MB2 (158)	0.977	0.979
450	MB2 (159)	0.976	0.979
451	MB2 (16)	0.985	1.000
452	MB2 (160)	0.976	0.985
453	MB2 (161)	0.970	1.000
454	MB2 (162)	0.924	0.999
455	MB2 (163)	1.000	1.000
456	MB2 (164)	1.000	1.000
457	MB2 (165)	1.000	1.000
458	MB2 (166)	1.000	1.000
459	MB2 (167)	1.000	1.000
460	MB2 (168)	1.000	1.000
461	MB2 (169)	1.000	1.000
462	MB2 (17)	0.985	1.000
463	MB2 (170)	1.000	1.000
464	MB2 (171)	1.000	1.000
465	MB2 (172)	1.000	1.000
466	MB2 (173)	1.000	1.000
467	MB2 (174)	1.000	1.000
468	MB2 (175)	1.000	1.000
469	MB2 (176)	1.000	1.000
470	MB2 (177)	1.000	1.000
471	MB2 (178)	1.000	1.000
472	MB2 (179)	1.000	1.000
473	MB2 (18)	0.984	1.000
474	MB2 (180)	1.000	1.000
475	MB2 (181)	1.000	1.000
476	MB2 (182)	1.000	1.000
477	MB2 (183)	1.000	1.000
478	MB2 (184)	1.000	1.000
479	MB2 (185)	0.925	0.939
480	MB2 (186)	0.978	0.984
481	MB2 (187)	0.985	0.988
482	MB2 (188)	0.985	0.990
483	MB2 (189)	0.986	0.992
484	MB2 (19)	0.985	1.000
485	MB2 (190)	0.988	0.994
486	MB2 (191)	0.987	0.992
487	MB2 (192)	0.985	0.990
488	MB2 (193)	0.984	0.990
489	MB2 (194)	0.983	0.989
490	MB2 (195)	0.984	0.988
491	MB2 (196)	0.983	0.987
492	MB2 (197)	0.983	0.988
493	MB2 (198)	0.983	0.988
494	MB2 (199)	0.983	0.987
495	MB2 (2)	0.983	1.000
496	MB2 (20)	0.985	1.000
497	MB2 (200)	0.983	0.988
498	MB2 (201)	0.983	0.989
499	MB2 (202)	0.984	0.989
500	MB2 (203)	0.983	0.990

501	MB2 (204)	0.984	0.989
502	MB2 (205)	0.983	0.989
503	MB2 (206)	0.984	0.989
504	MB2 (207)	0.984	0.990
505	MB2 (208)	0.985	0.991
506	MB2 (209)	0.984	0.989
507	MB2 (21)	0.985	1.000
508	MB2 (210)	0.985	0.991
509	MB2 (211)	0.985	0.990
510	MB2 (212)	0.985	0.990
511	MB2 (213)	0.984	0.990
512	MB2 (214)	0.983	0.990
513	MB2 (215)	0.984	0.990
514	MB2 (216)	0.984	0.990
515	MB2 (217)	0.983	0.990
516	MB2 (218)	0.984	0.990
517	MB2 (219)	0.983	0.989
518	MB2 (22)	0.984	1.000
519	MB2 (220)	0.982	0.987
520	MB2 (221)	0.980	0.987
521	MB2 (222)	0.980	0.988
522	MB2 (223)	0.980	0.990
523	MB2 (224)	0.979	0.992
524	MB2 (225)	0.982	0.994
525	MB2 (226)	0.984	0.995
526	MB2 (227)	0.986	0.996
527	MB2 (228)	0.986	1.000
528	MB2 (229)	0.986	1.000
529	MB2 (23)	0.985	1.000
530	MB2 (230)	0.983	0.999
531	MB2 (231)	0.976	0.999
532	MB2 (232)	0.949	1.000
533	MB2 (233)	1.000	1.000
534	MB2 (234)	1.000	1.000
535	MB2 (235)	1.000	1.000
536	MB2 (236)	1.000	1.000
537	MB2 (237)	1.000	1.000
538	MB2 (238)	1.000	1.000
539	MB2 (239)	1.000	1.000
540	MB2 (24)	0.985	1.000
541	MB2 (240)	1.000	1.000
542	MB2 (241)	1.000	1.000
543	MB2 (242)	1.000	1.000
544	MB2 (243)	1.000	1.000
545	MB2 (244)	1.000	1.000
546	MB2 (245)	1.000	1.000
547	MB2 (246)	1.000	1.000
548	MB2 (247)	1.000	1.000
549	MB2 (248)	1.000	1.000
550	MB2 (249)	1.000	1.000
551	MB2 (25)	0.984	1.000
552	MB2 (250)	1.000	1.000
553	MB2 (251)	1.000	1.000
554	MB2 (252)	1.000	1.000
555	MB2 (253)	1.000	1.000
556	MB2 (254)	1.000	1.000
557	MB2 (255)	1.000	1.000
558	MB2 (256)	1.000	1.000
559	MB2 (257)	1.000	1.000
560	MB2 (258)	1.000	1.000
561	MB2 (259)	1.000	1.000
562	MB2 (26)	0.984	1.000
563	MB2 (260)	0.820	0.854
564	MB2 (261)	0.964	0.972
565	MB2 (262)	0.975	0.977
566	MB2 (263)	0.972	0.975
567	MB2 (264)	0.963	0.965
568	MB2 (265)	0.964	0.965
569	MB2 (266)	0.965	0.969
570	MB2 (267)	0.966	0.970
571	MB2 (268)	0.967	0.973
572	MB2 (269)	0.970	0.976
573	MB2 (27)	0.984	1.000
574	MB2 (270)	0.969	0.977
575	MB2 (271)	0.972	0.977
576	MB2 (272)	0.973	0.976
577	MB2 (273)	0.970	0.977
578	MB2 (274)	0.970	0.977
579	MB2 (275)	0.973	0.979
580	MB2 (276)	0.971	0.976
581	MB2 (277)	0.971	0.976
582	MB2 (278)	0.971	0.976
583	MB2 (279)	0.969	0.976
584	MB2 (28)	0.984	1.000
585	MB2 (280)	0.970	0.977
586	MB2 (281)	0.971	0.979
587	MB2 (282)	0.972	0.978
588	MB2 (283)	0.972	0.977
589	MB2 (284)	0.970	0.977
590	MB2 (285)	0.973	0.977
591	MB2 (286)	0.974	0.979
592	MB2 (287)	0.976	0.980
593	MB2 (288)	0.973	0.980
594	MB2 (289)	0.973	0.979
595	MB2 (29)	0.984	1.000
596	MB2 (290)	0.974	0.981
597	MB2 (291)	0.974	0.981
598	MB2 (292)	0.973	0.979
599	MB2 (293)	0.977	0.983
600	MB2 (294)	0.977	0.983
601	MB2 (295)	0.980	0.985
602	MB2 (296)	0.981	0.988
603	MB2 (297)	0.983	0.989
604	MB2 (298)	0.981	0.987
605	MB2 (299)	0.985	0.989
606	MB2 (3)	0.983	1.000
607	MB2 (30)	0.984	1.000
608	MB2 (300)	0.981	0.983
609	MB2 (301)	0.979	0.982
610	MB2 (302)	0.975	0.977
611	MB2 (303)	0.975	0.978
612	MB2 (304)	0.977	0.980
613	MB2 (305)	0.974	0.976
614	MB2 (306)	0.974	0.993
615	MB2 (307)	0.932	1.000
616	MB2 (308)	1.000	1.000
617	MB2 (309)	1.000	1.000
618	MB2 (31)	0.984	1.000
619	MB2 (310)	1.000	1.000
620	MB2 (311)	1.000	1.000
621	MB2 (312)	1.000	1.000
622	MB2 (313)	1.000	1.000
623	MB2 (314)	1.000	1.000
624	MB2 (315)	1.000	1.000
625	MB2 (316)	1.000	1.000
626	MB2 (317)	1.000	1.000
627	MB2 (318)	1.000	1.000
628	MB2 (319)	1.000	1.000
629	MB2 (32)	0.985	1.000
630	MB2 (320)	1.000	1.000
631	MB2 (321)	1.000	1.000
632	MB2 (322)	1.000	1.000
633	MB2 (323)	1.000	1.000
634	MB2 (324)	1.000	1.000
635	MB2 (325)	0.923	0.935
636	MB2 (326)	0.975	0.980
637	MB2 (327)	0.985	0.987
638	MB2 (328)	0.987	0.990
639	MB2 (329)	0.987	0.991
640	MB2 (33)	0.985	1.000
641	MB2 (330)	0.986	0.992
642	MB2 (331)	0.986	0.993
643	MB2 (332)	0.985	0.991
644	MB2 (333)	0.986	0.992
645	MB2 (334)	0.986	0.992
646	MB2 (335)	0.987	0.994
647	MB2 (336)	0.986	0.994
648	MB2 (337)	0.986	0.994
649	MB2 (338)	0.985	0.994
650	MB2 (339)	0.985	0.993
651	MB2 (34)	0.985	1.000
652	MB2 (340)	0.987	0.994
653	MB2 (341)	0.985	0.992
654	MB2 (342)	0.986	0.991
655	MB2 (343)	0.985	0.990
656	MB2 (344)	0.984	0.989
657	MB2 (345)	0.984	0.990
658	MB2 (346)	0.985	0.990
659	MB2 (347)	0.985	0.989
660	MB2 (348)	0.985	0.990
661	MB2 (349)	0.984	0.989
662	MB2 (35)	0.985	1.000
663	MB2 (350)	0.985	0.990
664	MB2 (351)	0.984	0.989
665	MB2 (352)	0.984	0.999
666	MB2 (353)	0.984	0.999
667	MB2 (354)	0.982	0.999
668	MB2 (355)	0.980	1.000
669	MB2 (356)	0.977	0.999
670	MB2 (357)	0.974	1.000
671	MB2 (358)	0.967	0.999
672	MB2 (359)	0.956	0.999
673	MB2 (36)	0.985	1.000
674	MB2 (360)	0.923	0.998
675	MB2 (361)	0.725	0.992
676	MB2 (362)	1.000	1.000
677	MB2 (363)	1.000	1.000
678	MB2 (364)	1.000	1.000
679	MB2 (365)	0.784	0.998
680	MB2 (366)	0.916	1.000
681	MB2 (367)	0.950	1.000
682	MB2 (368)	0.958	1.000
683	MB2 (369)	0.969	1.000
684	MB2 (37)	0.985	1.000
685	MB2 (370)	0.973	1.000
686	MB2 (371)	0.975	1.000
687	MB2 (372)	0.978	1.000
688	MB2 (373)	0.977	0.999
689	MB2 (374)	0.978	0.999
690	MB2 (375)	0.978	1.000
691	MB2 (376)	0.977	0.997
692	MB2 (377)	0.968	0.986
693	MB2 (378)	0.975	0.989
694	MB2 (379)	0.980	0.992
695	MB2 (38)	0.984	1.000
696	MB2 (380)	0.982	0.993
697	MB2 (381)	0.982	0.994
698	MB2 (382)	0.986	0.997
699	MB2 (383)	0.988	0.998
700	MB2 (384)	0.988	0.998
701	MB2 (385)	0.987	0.995
702	MB2 (386)	0.985	0.993
703	MB2 (387)	0.984	0.991
704	MB2 (388)	0.985	0.991
705	MB2 (389)	0.985	0.991
706	MB2 (39)	0.984	1.000
707	MB2 (390)	0.984	0.991
708	MB2 (391)	0.984	0.991
709	MB2 (392)	0.984	0.990
710	MB2 (393)	0.984	0.990
711	MB2 (394)	0.984	0.990
712	MB2 (395)	0.984	1.000
713	MB2 (396)	0.984	1.000
714	MB2 (397)	0.984	1.000
715	MB2 (398)	0.984	1.000
716	MB2 (399)	0.983	1.000
717	MB2 (4)	0.983	1.000
718	MB2 (40)	0.984	1.000
719	MB2 (400)	0.983	1.000
720	MB2 (401)	0.984	1.000
721	MB2 (402)	0.982	1.000
722	MB2 (403)	0.983	1.000
723	MB2 (404)	0.983	1.000
724	MB2 (405)	0.982	1.000
725	MB2 (406)	0.983	1.000
726	MB2 (407)	0.983	1.000
727	MB2 (408)	0.982	1.000
728	MB2 (409)	0.981	1.000
729	MB2 (41)	0.984	1.000
730	MB2 (410)	0.982	1.000
731	MB2 (411)	0.981	0.997
732	MB2 (412)	0.980	0.994
733	MB2 (413)	0.977	0.991
734	MB2 (414)	0.978	0.992
735	MB2 (415)	0.979	0.991
736	MB2 (416)	0.978	0.988
737	MB2 (417)	0.967	0.976
738	MB2 (418)	0.979	0.983
739	MB2 (419)	0.979	0.985
740	MB2 (42)	0.984	1.000
741	MB2 (420)	0.979	0.984
742	MB2 (421)	0.979	0.985
743	MB2 (422)	0.979	0.984
744	MB2 (423)	0.974	0.981
745	MB2 (424)	0.975	0.982
746	MB2 (425)	0.975	0.981
747	MB2 (426)	0.975	0.980
748	MB2 (427)	0.974	0.981
749	MB2 (428)	0.977	0.982
750	MB2 (429)	0.974	0.980
751	MB2 (43)	0.984	1.000
752	MB2 (430)	0.974	0.981
753	MB2 (431)	0.974	0.981
754	MB2 (432)	0.974	0.978
755	MB2 (433)	0.973	0.979

756	MB2 (434)	0.971	0.978
757	MB2 (435)	0.973	0.978
758	MB2 (436)	0.974	0.981
759	MB2 (437)	0.972	0.979
760	MB2 (438)	0.977	0.982
761	MB2 (439)	0.978	0.983
762	MB2 (44)	0.983	1.000
763	MB2 (440)	0.977	0.981
764	MB2 (441)	0.979	0.984
765	MB2 (442)	0.979	0.983
766	MB2 (443)	0.980	0.985
767	MB2 (444)	0.980	0.987
768	MB2 (445)	0.983	0.991
769	MB2 (446)	0.985	0.993
770	MB2 (447)	0.985	0.994
771	MB2 (448)	0.985	1.000
772	MB2 (449)	0.984	1.000
773	MB2 (45)	0.969	0.988
774	MB2 (450)	0.984	1.000
775	MB2 (451)	0.985	1.000
776	MB2 (452)	0.984	1.000
777	MB2 (453)	0.985	1.000
778	MB2 (454)	0.987	1.000
779	MB2 (455)	0.986	1.000
780	MB2 (456)	0.987	1.000
781	MB2 (457)	0.987	1.000
782	MB2 (458)	0.987	1.000
783	MB2 (459)	0.987	0.998
784	MB2 (46)	0.977	0.991
785	MB2 (460)	0.987	0.998
786	MB2 (461)	0.987	0.997
787	MB2 (462)	0.987	0.997
788	MB2 (463)	0.987	0.997
789	MB2 (464)	0.987	0.997
790	MB2 (465)	0.987	0.997
791	MB2 (466)	0.987	0.997
792	MB2 (467)	0.987	0.999
793	MB2 (468)	0.986	0.999
794	MB2 (469)	0.986	1.000
795	MB2 (47)	0.981	0.992
796	MB2 (470)	0.986	1.000
797	MB2 (471)	0.986	1.000
798	MB2 (472)	0.986	1.000
799	MB2 (473)	0.986	1.000
800	MB2 (474)	0.986	1.000
801	MB2 (475)	0.987	1.000
802	MB2 (476)	0.986	1.000
803	MB2 (477)	0.987	0.999
804	MB2 (478)	0.987	0.998
805	MB2 (479)	0.987	0.997
806	MB2 (48)	0.982	0.993
807	MB2 (480)	0.987	0.996
808	MB2 (481)	0.987	1.000
809	MB2 (482)	0.986	1.000
810	MB2 (483)	0.987	1.000
811	MB2 (484)	0.986	1.000
812	MB2 (485)	0.985	1.000
813	MB2 (486)	0.986	1.000
814	MB2 (487)	0.986	1.000
815	MB2 (488)	0.985	1.000
816	MB2 (489)	0.986	1.000
817	MB2 (49)	0.981	0.992
818	MB2 (490)	0.978	0.991
819	MB2 (491)	0.984	0.994
820	MB2 (492)	0.986	0.995
821	MB2 (493)	0.987	0.995
822	MB2 (494)	0.987	0.995
823	MB2 (495)	0.988	0.995
824	MB2 (496)	0.988	0.995
825	MB2 (497)	0.989	0.996
826	MB2 (498)	0.989	0.996
827	MB2 (5)	0.983	1.000
828	MB2 (50)	0.983	0.995
829	MB2 (51)	0.984	0.996
830	MB2 (52)	0.986	0.997
831	MB2 (53)	0.985	0.998
832	MB2 (54)	0.984	0.997
833	MB2 (55)	0.980	0.997
834	MB2 (56)	0.982	0.996
835	MB2 (57)	0.982	0.996
836	MB2 (58)	0.981	0.996
837	MB2 (59)	0.979	0.995
838	MB2 (6)	0.982	1.000
839	MB2 (60)	0.981	0.991
840	MB2 (61)	0.983	0.989
841	MB2 (62)	0.982	0.988
842	MB2 (63)	0.982	0.988
843	MB2 (64)	0.982	0.987
844	MB2 (65)	0.982	0.988
845	MB2 (66)	0.982	0.987
846	MB2 (67)	0.982	0.988
847	MB2 (68)	0.981	0.987
848	MB2 (69)	0.982	0.987
849	MB2 (7)	0.978	1.000
850	MB2 (70)	0.982	0.988
851	MB2 (71)	0.983	0.988
852	MB2 (72)	0.983	0.988
853	MB2 (73)	0.982	0.988
854	MB2 (74)	0.982	0.988
855	MB2 (75)	0.982	0.988
856	MB2 (76)	0.983	0.989
857	MB2 (77)	0.983	0.988
858	MB2 (78)	0.983	0.988
859	MB2 (79)	0.982	0.989
860	MB2 (8)	0.984	1.000
861	MB2 (80)	0.982	0.990
862	MB2 (81)	0.982	0.993
863	MB2 (82)	0.980	0.993
864	MB2 (83)	0.978	0.993
865	MB2 (84)	0.976	0.995
866	MB2 (85)	0.976	0.997
867	MB2 (86)	0.981	1.000
868	MB2 (87)	0.983	0.998
869	MB2 (88)	0.984	0.997
870	MB2 (89)	0.983	0.999
871	MB2 (9)	0.984	1.000
872	MB2 (90)	0.981	1.000
873	MB2 (91)	0.974	1.000
874	MB2 (92)	0.937	0.998
875	MB2 (93)	0.628	0.994
876	MB2 (94)	1.000	1.000
877	MB2 (95)	1.000	1.000
878	MB2 (96)	1.000	1.000
879	MB2 (97)	1.000	1.000
880	MB2 (98)	1.000	1.000
881	MB2 (99)	1.000	1.000

Lampiran 3. Summerisasi Bentuk Model *UNet*.

Model: "UNet"			
Layer (type)	**Output Shape**	**Param #**	**Connected to**
input_1(InputLayer)	[(None,512,512,3)]	0	[]
conv2d(Conv2D)	(None,512,512,64)	1792	['input_1[0][0]']
batch_normalization(BatchNormalization)	(None,512,512,64)	256	['conv2d[0][0]']
activation(Activation)	(None,512,512,64)	0	['batch_normalization[0][0]']
conv2d_1(Conv2D)	(None,512,512,64)	36928	['activation[0][0]']
batch_normalization_1(BatchNormalization)	(None,512,512,64)	256	['conv2d_1[0][0]']
activation_1(Activation)	(None,512,512,64)	0	['batch_normalization_1[0][0]']
max_pooling2d(MaxPooling2D)	(None,256,256,64)	0	['activation_1[0][0]']
conv2d_2(Conv2D)	(None,256,256,128)	73856	['max_pooling2d[0][0]']
batch_normalization_2(BatchNormalization)	(None,256,256,128)	512	['conv2d_2[0][0]']
activation_2(Activation)	(None,256,256,128)	0	['batch_normalization_2[0][0]']
conv2d_3(Conv2D)	(None,256,256,128)	147584	['activation_2[0][0]']
batch_normalization_3(BatchNormalization)	(None,256,256,128)	512	['conv2d_3[0][0]']
activation_3(Activation)	(None,256,256,128)	0	['batch_normalization_3[0][0]']
max_pooling2d_1(MaxPooling2D)	(None,128,128,128)	0	['activation_3[0][0]']
conv2d_4(Conv2D)	(None,128,128,256)	295168	['max_pooling2d_1[0][0]']
batch_normalization_4(BatchNormalization)	(None,128,128,256)	1024	['conv2d_4[0][0]']
activation_4(Activation)	(None,128,128,256)	0	['batch_normalization_4[0][0]']
conv2d_5(Conv2D)	(None,128,128,256)	590080	['activation_4[0][0]']
batch_normalization_5(BatchNormalization)	(None,128,128,256)	1024	['conv2d_5[0][0]']
activation_5(Activation)	(None,128,128,256)	0	['batch_normalization_5[0][0]']
max_pooling2d_2(MaxPooling2D)	(None,64,64,256)	0	['activation_5[0][0]']
conv2d_6(Conv2D)	(None,64,64,512)	1180160	['max_pooling2d_2[0][0]']
batch_normalization_6(BatchNormalization)	(None,64,64,512)	2048	['conv2d_6[0][0]']
activation_6(Activation)	(None,64,64,512)	0	['batch_normalization_6[0][0]']
conv2d_7(Conv2D)	(None,64,64,512)	2359808	['activation_6[0][0]']
batch_normalization_7(BatchNormalization)	(None,64,64,512)	2048	['conv2d_7[0][0]']
activation_7(Activation)	(None,64,64,512)	0	['batch_normalization_7[0][0]']
max_pooling2d_3(MaxPooling2D)	(None,32,32,512)	0	['activation_7[0][0]']
conv2d_8(Conv2D)	(None,32,32,1024)	4719616	['max_pooling2d_3[0][0]']
batch_normalization_8(BatchNormalization)	(None,32,32,1024)	4096	['conv2d_8[0][0]']
activation_8(Activation)	(None,32,32,1024)	0	['batch_normalization_8[0][0]']
conv2d_9(Conv2D)	(None,32,32,1024)	9438208	['activation_8[0][0]']
batch_normalization_9(BatchNormalization)	(None,32,32,1024)	4096	['conv2d_9[0][0]']
activation_9(Activation)	(None,32,32,1024)	0	['batch_normalization_9[0][0]']
conv2d_transpose(Conv2DTranspose)	(None,64,64,512)	2097664	['activation_9[0][0]']
concatenate(Concatenate)	(None,64,64,1024)	0	['conv2d_transpose[0][0]','activation_7[0][0]']
conv2d_10(Conv2D)	(None,64,64,512)	4719104	['concatenate[0][0]']
batch_normalization_10(BatchNormalization)	(None,64,64,512)	2048	['conv2d_10[0][0]']
activation_10(Activation)	(None,64,64,512)	0	['batch_normalization_10[0][0]']
conv2d_11(Conv2D)	(None,64,64,512)	2359808	['activation_10[0][0]']
batch_normalization_11(BatchNormalization)	(None,64,64,512)	2048	['conv2d_11[0][0]']
activation_11(Activation)	(None,64,64,512)	0	['batch_normalization_11[0][0]']
conv2d_transpose_1(Conv2DTranspose)	(None,128,128,256)	524544	['activation_11[0][0]']
concatenate_1(Concatenate)	(None,128,128,512)	0	['conv2d_transpose_1[0][0]','activation_5[0][0]']
conv2d_12(Conv2D)	(None,128,128,256)	1179904	['concatenate_1[0][0]']

batch_normalization_12(BatchNormalization)	(None,128,128,256)	1024	['conv2d_12[0][0]']
activation_12(Activation)	(None,128,128,256)	0	['batch_normalization_12[0][0]']
conv2d_13(Conv2D)	(None,128,128,256)	590080	['activation_12[0][0]']
batch_normalization_13(BatchNormalization)	(None,128,128,256)	1024	['conv2d_13[0][0]']
activation_13(Activation)	(None,128,128,256)	0	['batch_normalization_13[0][0]']
conv2d_transpose_2(Conv2DTranspose)	(None,256,256,128)	131200	['activation_13[0][0]']
concatenate_2(Concatenate)	(None,256,256,256)	0	['conv2d_transpose_2[0][0]','activation_3[0][0]']
conv2d_14(Conv2D)	(None,256,256,128)	295040	['concatenate_2[0][0]']
batch_normalization_14(BatchNormalization)	(None,256,256,128)	512	['conv2d_14[0][0]']
activation_14(Activation)	(None,256,256,128)	0	['batch_normalization_14[0][0]']
conv2d_15(Conv2D)	(None,256,256,128)	147584	['activation_14[0][0]']
batch_normalization_15(BatchNormalization)	(None,256,256,128)	512	['conv2d_15[0][0]']
activation_15(Activation)	(None,256,256,128)	0	['batch_normalization_15[0][0]']
conv2d_transpose_3(Conv2DTranspose)	(None,512,512,64)	32832	['activation_15[0][0]']
concatenate_3(Concatenate)	(None,512,512,128)	0	['conv2d_transpose_3[0][0]','activation_1[0][0]']
conv2d_16(Conv2D)	(None,512,512,64)	73792	['concatenate_3[0][0]']
batch_normalization_16(BatchNormalization)	(None,512,512,64)	256	['conv2d_16[0][0]']
activation_16(Activation)	(None,512,512,64)	0	['batch_normalization_16[0][0]']
conv2d_17(Conv2D)	(None,512,512,64)	36928	['activation_16[0][0]']
batch_normalization_17(BatchNormalization)	(None,512,512,64)	256	['conv2d_17[0][0]']
activation_17(Activation)	(None,512,512,64)	0	['batch_normalization_17[0][0]']
conv2d_18(Conv2D)	(None,512,512,1)	65	['activation_17[0][0]']
Total params: 31,055,297			
Trainable params: 31,043,521			
Non-trainable params: 11,776			

Lampiran 4. Perbandingan Hasil Uji Model Segmentasi.

1. Perbandingan hasil uji dengan jenis *fold* 1.

NO	IDENTITAS	SCORE (Without-pre)	SCORE (With-pre)
1	Rerata Akurasi	0.99296	0.98676
2	Rerata F1	0.98476	0.96982
3	Rerata Jaccard	0.97027	0.94359
4	Rerata Recall	0.98975	0.98486
5	Rerata Presisi	0.98003	0.95772
6	Waktu Rerata Segmentasi	0.31959s	0.33806s
7	Waktu Total Segmentasi	5.22765s	5.1312s

2. Perbandingan hasil uji dengan jenis *fold* 2.

NO	IDENTITAS	SCORE (Without-pre)	SCORE (With-pre)
1	Rerata Akurasi	0.9921	0.98724
2	Rerata F1	0.98275	0.97011
3	Rerata Jaccard	0.96649	0.9447
4	Rerata Recall	0.99142	0.98602
5	Rerata Presisi	0.97456	0.95618
6	Waktu Rerata Segmentasi	0.32904s	0.33927s
7	Waktu Total Segmentasi	5.17527s	4.9507s

3. Perbandingan hasil uji dengan jenis *fold* 3.

NO	IDENTITAS	SCORE (Without-pre)	SCORE (With-pre)
1	Rerata Akurasi	0.99288	0.98751
2	Rerata F1	0.98294	0.96846
3	Rerata Jaccard	0.96699	0.9433
4	Rerata Recall	0.9899	0.98478
5	Rerata Presisi	0.97639	0.95491
6	Waktu Rerata Segmentasi	0.32096s	0.34088s
7	Waktu Total Segmentasi	5.12995s	4.99658s

4. Perbandingan hasil uji dengan jenis *fold* 4.

NO	IDENTITAS	SCORE (Without-pre)	SCORE (With-pre)
1	Rerata Akurasi	0.99236	0.98401
2	Rerata F1	0.96518	0.96895
3	Rerata Jaccard	0.94849	0.94092
4	Rerata Recall	0.97227	0.98336
5	Rerata Presisi	0.95853	0.95646
6	Waktu Rerata Segmentasi	0.32258s	0.3443s
7	Waktu Total Segmentasi	5.09573s	1.30075s

5. Perbandingan hasil uji dengan jenis *fold* 5.

NO	IDENTITAS	SCORE (Without-pre)	SCORE (With-pre)
1	Rerata Akurasi	0.99253	0.98652
2	Rerata F1	0.9821	0.9736
3	Rerata Jaccard	0.96536	0.94939
4	Rerata Recall	0.98895	0.98562
5	Rerata Presisi	0.97586	0.96288
6	Waktu Rerata Segmentasi	0.3284s	0.33575s
7	Waktu Total Segmentasi	5.1216s	5.09454s

Lampiran 5. *Record Training* Model dengan Deteksi Tepi.

1. Hasil *training* dengan *train set* 50% (440 frame citra) dan *validation set* 25% (220 frame citra).

epoch	dice_coef	iou	loss	lr	precision_9	recall_9	val_dice_coef	val_iou	val_loss	val_precision_9	val_recall_9
1	0.7662	0.6604	0.2338	0.0001	0.8423	0.9530	0.6398	0.5240	0.3602	0.8840	0.9178
2	0.8520	0.7707	0.1480	0.0001	0.9376	0.9588	0.7417	0.6716	0.2583	0.8837	0.9747
3	0.8797	0.8125	0.1203	0.0001	0.9489	0.9616	0.7819	0.7367	0.2181	0.9466	0.9809
4	0.8948	0.8366	0.1052	0.0001	0.9512	0.9620	0.7835	0.7390	0.2165	0.9281	0.9871
5	0.9039	0.8510	0.0961	0.0001	0.9560	0.9620	0.7938	0.7573	0.2062	0.9531	0.9793
6	0.9148	0.8692	0.0852	0.0001	0.9621	0.9652	0.7980	0.7644	0.2020	0.9555	0.9780
7	0.9185	0.8754	0.0815	0.0001	0.9573	0.9649	0.7928	0.7550	0.2072	0.9299	0.9850
8	0.9248	0.8865	0.0752	0.0001	0.9589	0.9667	0.8037	0.7744	0.1963	0.9581	0.9792
9	0.9288	0.8935	0.0712	0.0001	0.9578	0.9693	0.8052	0.7770	0.1948	0.9626	0.9778
10	0.9315	0.8983	0.0685	0.0001	0.9637	0.9697	0.8070	0.7805	0.1930	0.9680	0.9748
11	0.9332	0.9014	0.0668	0.0001	0.9614	0.9701	0.8078	0.7820	0.1922	0.9682	0.9748
12	0.9359	0.9064	0.0641	0.0001	0.9619	0.9714	0.8092	0.7844	0.1908	0.9659	0.9773
13	0.9386	0.9113	0.0614	0.0001	0.9629	0.9730	0.7959	0.7626	0.2041	0.9376	0.9814
14	0.9400	0.9138	0.0600	0.0001	0.9614	0.9735	0.8094	0.7850	0.1906	0.9698	0.9726
15	0.9411	0.9158	0.0589	0.0001	0.9688	0.9739	0.8069	0.7805	0.1931	0.9626	0.9754
16	0.9404	0.9145	0.0596	0.0001	0.9673	0.9736	0.8055	0.7787	0.1945	0.9646	0.9706
17	0.9431	0.9196	0.0569	0.0001	0.9649	0.9754	0.8111	0.7879	0.1889	0.9714	0.9730
18	0.9436	0.9205	0.0564	0.0001	0.9710	0.9753	0.8098	0.7866	0.1902	0.9691	0.9746
19	0.9451	0.9234	0.0549	0.0001	0.9727	0.9767	0.8119	0.7894	0.1881	0.9778	0.9676
20	0.9461	0.9253	0.0539	0.0001	0.9729	0.9773	0.8127	0.7907	0.1873	0.9752	0.9707
21	0.9455	0.9241	0.0545	0.0001	0.9717	0.9761	0.8109	0.7875	0.1891	0.9705	0.9733
22	0.9470	0.9268	0.0530	0.0001	0.9697	0.9777	0.8129	0.7911	0.1871	0.9739	0.9727
23	0.9476	0.9281	0.0524	0.0001	0.9661	0.9776	0.8134	0.7920	0.1866	0.9761	0.9719
24	0.9461	0.9251	0.0539	0.0001	0.9678	0.9763	0.8134	0.7921	0.1866	0.9704	0.9777
25	0.9449	0.9232	0.0551	0.0001	0.9636	0.9753	0.8049	0.7769	0.1951	0.9807	0.9492
26	0.9451	0.9234	0.0549	0.0001	0.9680	0.9763	0.8064	0.7792	0.1936	0.9479	0.9811
27	0.9468	0.9265	0.0532	0.0001	0.9740	0.9774	0.8129	0.7912	0.1871	0.9687	0.9766
28	0.9491	0.9308	0.0509	0.0001	0.9764	0.9787	0.8140	0.7932	0.1860	0.9791	0.9714
29	0.9498	0.9322	0.0502	0.0001	0.9771	0.9790	0.8138	0.7928	0.1862	0.9698	0.9782
30	0.9498	0.9322	0.0502	0.0001	0.9762	0.9791	0.8133	0.7918	0.1867	0.9695	0.9798
31	0.9508	0.9341	0.0492	0.0001	0.9775	0.9798	0.8137	0.7926	0.1863	0.9698	0.9795
32	0.9511	0.9347	0.0489	0.0001	0.9764	0.9803	0.8140	0.7932	0.1860	0.9713	0.9783
33	0.9465	0.9261	0.0535	0.0001	0.9732	0.9743	0.8145	0.7941	0.1855	0.9752	0.9753
34	0.9503	0.9331	0.0497	0.0001	0.9677	0.9795	0.8123	0.7899	0.1877	0.9636	0.9838
35	0.9511	0.9348	0.0489	0.0001	0.9794	0.9802	0.8126	0.7905	0.1874	0.9659	0.9816
36	0.9517	0.9359	0.0483	0.0001	0.9801	0.9808	0.8125	0.7904	0.1875	0.9675	0.9808
37	0.9518	0.9360	0.0482	0.0001	0.9782	0.9806	0.8134	0.7923	0.1866	0.9728	0.9774
38	0.9523	0.9370	0.0477	0.0001	0.9759	0.9807	0.8141	0.7934	0.1859	0.9720	0.9778
39	0.9529	0.9382	0.0471	0.0000	0.9708	0.9811	0.8152	0.7954	0.1848	0.9744	0.9781
40	0.9539	0.9402	0.0461	0.0000	0.9730	0.9820	0.8153	0.7957	0.1847	0.9752	0.9779
41	0.9543	0.9409	0.0457	0.0000	0.9736	0.9824	0.8154	0.7957	0.1846	0.9759	0.9772
42	0.9546	0.9414	0.0454	0.0000	0.9740	0.9826	0.8153	0.7957	0.1847	0.9755	0.9776
43	0.9548	0.9419	0.0452	0.0000	0.9745	0.9828	0.8153	0.7956	0.1847	0.9757	0.9774
44	0.9550	0.9423	0.0450	0.0000	0.9749	0.9830	0.8153	0.7956	0.1847	0.9756	0.9775
45	0.9552	0.9427	0.0448	0.0000	0.9752	0.9831	0.8152	0.7955	0.1848	0.9755	0.9775
46	0.9554	0.9430	0.0446	0.0000	0.9764	0.9835	0.8154	0.7959	0.1846	0.9780	0.9750
47	0.9555	0.9432	0.0445	0.0000	0.9764	0.9833	0.8154	0.7958	0.1846	0.9778	0.9751
48	0.9555	0.9433	0.0445	0.0000	0.9763	0.9834	0.8154	0.7958	0.1846	0.9777	0.9753
49	0.9556	0.9434	0.0444	0.0000	0.9763	0.9834	0.8154	0.7958	0.1846	0.9776	0.9754
50	0.9556	0.9434	0.0444	0.0000	0.9762	0.9834	0.8154	0.7958	0.1846	0.9776	0.9754
51	0.9556	0.9435	0.0444	0.0000	0.9762	0.9834	0.8154	0.7958	0.1846	0.9776	0.9754
52	0.9557	0.9436	0.0443	0.0000	0.9762	0.9834	0.8154	0.7958	0.1846	0.9776	0.9754
53	0.9557	0.9436	0.0443	0.0000	0.9762	0.9835	0.8154	0.7958	0.1846	0.9776	0.9754
54	0.9557	0.9437	0.0443	0.0000	0.9763	0.9835	0.8154	0.7958	0.1846	0.9776	0.9754
55	0.9558	0.9437	0.0442	0.0000	0.9763	0.9835	0.8154	0.7957	0.1846	0.9776	0.9754
56	0.9558	0.9438	0.0442	0.0000	0.9763	0.9835	0.8154	0.7957	0.1846	0.9776	0.9753

2. Hasil *training* dengan *train set* 60% (528 frame citra) dan *validation set* 20% (176 frame citra).

epoch	dice_coef	iou	loss	lr	precision_8	recall_8	val_dice_coef	val_iou	val_loss	val_precision_8	val_recall_8

1	0.7692	0.6666	0.2308	0.0001	0.8598	0.9542	0.6037	0.4633	0.3963	0.9591	0.7689
2	0.8528	0.7788	0.1472	0.0001	0.9381	0.9642	0.8100	0.7508	0.1900	0.9578	0.9561
3	0.8783	0.8173	0.1217	0.0001	0.9399	0.9654	0.8312	0.7863	0.1688	0.9720	0.9591
4	0.8938	0.8422	0.1062	0.0001	0.9403	0.9670	0.8269	0.7810	0.1731	0.9853	0.9301
5	0.9039	0.8589	0.0961	0.0001	0.9458	0.9675	0.7836	0.7095	0.2164	0.8510	0.9739
6	0.9112	0.8712	0.0888	0.0001	0.9462	0.9694	0.8383	0.7997	0.1617	0.9792	0.9448
7	0.9133	0.8750	0.0867	0.0001	0.9396	0.9679	0.8286	0.7849	0.1714	0.9646	0.9424
8	0.9178	0.8827	0.0822	0.0001	0.9523	0.9696	0.8339	0.7932	0.1661	0.9887	0.9200
9	0.9216	0.8896	0.0784	0.0001	0.9518	0.9708	0.8550	0.8266	0.1450	0.9782	0.9658
10	0.9234	0.8923	0.0766	0.0001	0.9529	0.9698	0.8268	0.7811	0.1732	0.9815	0.9104
11	0.9246	0.8941	0.0754	0.0001	0.9525	0.9711	0.8464	0.8110	0.1536	0.9522	0.9845
12	0.9120	0.8740	0.0880	0.0001	0.9517	0.9606	0.8430	0.8085	0.1570	0.9833	0.9424
13	0.9256	0.8962	0.0744	0.0001	0.9542	0.9697	0.8537	0.8242	0.1463	0.9831	0.9521
14	0.9294	0.9026	0.0706	0.0001	0.9572	0.9725	0.8546	0.8256	0.1454	0.9621	0.9775
15	0.9323	0.9080	0.0677	0.0000	0.9679	0.9744	0.8593	0.8345	0.1407	0.9801	0.9680
16	0.9332	0.9097	0.0668	0.0000	0.9668	0.9750	0.8596	0.8350	0.1404	0.9807	0.9674
17	0.9337	0.9105	0.0663	0.0000	0.9658	0.9753	0.8597	0.8353	0.1403	0.9809	0.9673
18	0.9340	0.9113	0.0660	0.0000	0.9649	0.9757	0.8599	0.8356	0.1401	0.9810	0.9675
19	0.9344	0.9119	0.0656	0.0000	0.9639	0.9760	0.8601	0.8359	0.1399	0.9812	0.9676
20	0.9347	0.9125	0.0653	0.0000	0.9642	0.9764	0.8598	0.8355	0.1402	0.9805	0.9686
21	0.9350	0.9131	0.0650	0.0000	0.9635	0.9766	0.8603	0.8363	0.1397	0.9815	0.9676
22	0.9354	0.9138	0.0646	0.0000	0.9625	0.9767	0.8605	0.8367	0.1395	0.9818	0.9674
23	0.9357	0.9145	0.0643	0.0000	0.9622	0.9769	0.8607	0.8371	0.1393	0.9817	0.9679
24	0.9361	0.9151	0.0639	0.0000	0.9621	0.9771	0.8609	0.8374	0.1391	0.9819	0.9680
25	0.9364	0.9157	0.0636	0.0000	0.9624	0.9774	0.8612	0.8379	0.1388	0.9816	0.9687
26	0.9367	0.9163	0.0633	0.0000	0.9622	0.9776	0.8613	0.8381	0.1387	0.9816	0.9686
27	0.9371	0.9170	0.0629	0.0000	0.9622	0.9779	0.8615	0.8384	0.1385	0.9811	0.9695
28	0.9375	0.9177	0.0625	0.0000	0.9622	0.9781	0.8615	0.8385	0.1385	0.9816	0.9686
29	0.9378	0.9184	0.0622	0.0000	0.9623	0.9784	0.8617	0.8388	0.1383	0.9814	0.9693
30	0.9380	0.9187	0.0620	0.0000	0.9636	0.9787	0.8610	0.8376	0.1390	0.9807	0.9696
31	0.9382	0.9191	0.0618	0.0000	0.9624	0.9787	0.8618	0.8390	0.1382	0.9808	0.9703
32	0.9386	0.9199	0.0614	0.0000	0.9618	0.9789	0.8619	0.8392	0.1381	0.9827	0.9678
33	0.9390	0.9206	0.0610	0.0000	0.9627	0.9793	0.8620	0.8394	0.1380	0.9824	0.9687
34	0.9393	0.9213	0.0607	0.0000	0.9627	0.9794	0.8621	0.8395	0.1379	0.9823	0.9690
35	0.9395	0.9215	0.0605	0.0000	0.9641	0.9797	0.8620	0.8393	0.1380	0.9801	0.9717
36	0.9398	0.9222	0.0602	0.0000	0.9644	0.9797	0.8626	0.8405	0.1374	0.9828	0.9693
37	0.9401	0.9228	0.0599	0.0000	0.9642	0.9801	0.8625	0.8402	0.1375	0.9825	0.9695
38	0.9404	0.9232	0.0596	0.0000	0.9655	0.9801	0.8622	0.8398	0.1378	0.9792	0.9730
39	0.9406	0.9236	0.0594	0.0000	0.9651	0.9802	0.8617	0.8387	0.1383	0.9823	0.9675
40	0.9408	0.9241	0.0592	0.0000	0.9658	0.9804	0.8629	0.8410	0.1371	0.9823	0.9705
41	0.9411	0.9247	0.0589	0.0000	0.9668	0.9808	0.8621	0.8395	0.1379	0.9799	0.9729
42	0.9414	0.9252	0.0586	0.0000	0.9666	0.9806	0.8619	0.8392	0.1381	0.9830	0.9669
43	0.9416	0.9256	0.0584	0.0000	0.9665	0.9810	0.8624	0.8402	0.1376	0.9816	0.9708
44	0.9417	0.9259	0.0583	0.0000	0.9670	0.9810	0.8626	0.8404	0.1374	0.9824	0.9694
45	0.9421	0.9265	0.0579	0.0000	0.9671	0.9812	0.8626	0.8404	0.1374	0.9812	0.9710
46	0.9422	0.9267	0.0578	0.0000	0.9687	0.9814	0.8633	0.8418	0.1367	0.9821	0.9715
47	0.9424	0.9271	0.0576	0.0000	0.9687	0.9815	0.8634	0.8419	0.1366	0.9822	0.9714
48	0.9425	0.9273	0.0575	0.0000	0.9685	0.9815	0.8634	0.8419	0.1366	0.9822	0.9713
49	0.9426	0.9274	0.0574	0.0000	0.9684	0.9815	0.8634	0.8419	0.1366	0.9822	0.9713
50	0.9426	0.9276	0.0574	0.0000	0.9682	0.9816	0.8634	0.8419	0.1366	0.9822	0.9712
51	0.9427	0.9277	0.0573	0.0000	0.9681	0.9816	0.8634	0.8419	0.1366	0.9822	0.9712
52	0.9427	0.9278	0.0573	0.0000	0.9680	0.9817	0.8634	0.8419	0.1366	0.9822	0.9712
53	0.9428	0.9278	0.0572	0.0000	0.9679	0.9817	0.8634	0.8418	0.1366	0.9821	0.9712
54	0.9428	0.9279	0.0572	0.0000	0.9678	0.9817	0.8633	0.8418	0.1367	0.9821	0.9712
55	0.9429	0.9280	0.0571	0.0000	0.9677	0.9817	0.8633	0.8418	0.1367	0.9821	0.9712
56	0.9429	0.9281	0.0571	0.0000	0.9676	0.9818	0.8633	0.8418	0.1367	0.9821	0.9712

3. Hasil *training* dengan *train set* 70% (616 frame citra) dan *validation set* 15% (132 frame citra).

epoch	dice_coef	iou	loss	lr	precision_7	recall_7	val_dice_coef	val_iou	val_loss	val_precision_7	val_recall_7
1	0.7912	0.6893	0.2088	0.0001	0.8674	0.9517	0.7149	0.6119	0.2851	0.9489	0.8652
2	0.8735	0.8015	0.1265	0.0001	0.9447	0.9618	0.8134	0.7653	0.1866	0.9584	0.9657
3	0.8959	0.8364	0.1041	0.0001	0.9510	0.9620	0.8152	0.7699	0.1848	0.9764	0.9520
4	0.9133	0.8642	0.0867	0.0001	0.9593	0.9652	0.8045	0.7547	0.1955	0.9844	0.9091
5	0.9222	0.8787	0.0778	0.0001	0.9582	0.9659	0.8309	0.7951	0.1691	0.9764	0.9597
6	0.9302	0.8922	0.0698	0.0001	0.9596	0.9688	0.8387	0.8046	0.1613	0.9794	0.9580
7	0.9327	0.8965	0.0673	0.0001	0.9552	0.9670	0.6044	0.4849	0.3956	0.4485	0.9995
8	0.9331	0.8974	0.0669	0.0001	0.9660	0.9669	0.8165	0.7621	0.1835	0.9723	0.8976

9	0.9388	0.9072	0.0612	0.0001	0.9624	0.9699	0.8277	0.7916	0.1723	0.9422	0.9693
10	0.9411	0.9111	0.0589	0.0001	0.9640	0.9701	0.8009	0.7394	0.1991	0.9631	0.8847
11	0.9413	0.9115	0.0587	0.0001	0.9594	0.9689	0.8485	0.8173	0.1515	0.9648	0.9778
12	0.9455	0.9191	0.0545	0.0001	0.9632	0.9723	0.8427	0.8098	0.1573	0.9594	0.9773
13	0.9469	0.9217	0.0531	0.0001	0.9680	0.9734	0.8485	0.8199	0.1515	0.9759	0.9696
14	0.9465	0.9211	0.0535	0.0001	0.9641	0.9731	0.8348	0.7938	0.1652	0.9636	0.9499
15	0.9407	0.9115	0.0593	0.0001	0.9690	0.9689	0.8459	0.8112	0.1541	0.9700	0.9600
16	0.9477	0.9231	0.0523	0.0001	0.9707	0.9729	0.8418	0.8115	0.1582	0.9585	0.9802
17	0.9505	0.9283	0.0495	0.0000	0.9721	0.9758	0.8565	0.8312	0.1435	0.9836	0.9709
18	0.9513	0.9298	0.0487	0.0000	0.9708	0.9760	0.8581	0.8332	0.1419	0.9825	0.9733
19	0.9517	0.9306	0.0483	0.0000	0.9715	0.9764	0.8587	0.8338	0.1413	0.9826	0.9734
20	0.9520	0.9312	0.0480	0.0000	0.9722	0.9766	0.8589	0.8341	0.1411	0.9827	0.9735
21	0.9523	0.9318	0.0477	0.0000	0.9726	0.9769	0.8590	0.8341	0.1410	0.9829	0.9733
22	0.9526	0.9324	0.0474	0.0000	0.9728	0.9771	0.8577	0.8328	0.1423	0.9831	0.9729
23	0.9530	0.9330	0.0470	0.0000	0.9731	0.9774	0.8575	0.8326	0.1425	0.9833	0.9728
24	0.9533	0.9336	0.0467	0.0000	0.9733	0.9776	0.8575	0.8325	0.1425	0.9842	0.9709
25	0.9536	0.9341	0.0464	0.0000	0.9735	0.9779	0.8589	0.8344	0.1411	0.9839	0.9729
26	0.9540	0.9350	0.0460	0.0000	0.9744	0.9777	0.8599	0.8355	0.1401	0.9807	0.9777
27	0.9541	0.9352	0.0459	0.0000	0.9742	0.9782	0.8600	0.8356	0.1400	0.9806	0.9779
28	0.9542	0.9353	0.0458	0.0000	0.9742	0.9783	0.8599	0.8356	0.1401	0.9807	0.9778
29	0.9542	0.9354	0.0458	0.0000	0.9741	0.9784	0.8599	0.8356	0.1401	0.9807	0.9778
30	0.9543	0.9355	0.0457	0.0000	0.9741	0.9785	0.8598	0.8355	0.1402	0.9807	0.9778
31	0.9543	0.9356	0.0457	0.0000	0.9741	0.9785	0.8597	0.8354	0.1403	0.9807	0.9778
32	0.9544	0.9357	0.0456	0.0000	0.9741	0.9785	0.8597	0.8354	0.1403	0.9807	0.9778
33	0.9544	0.9358	0.0456	0.0000	0.9741	0.9786	0.8596	0.8353	0.1404	0.9807	0.9778
34	0.9545	0.9358	0.0455	0.0000	0.9741	0.9786	0.8595	0.8352	0.1405	0.9807	0.9778
35	0.9545	0.9359	0.0455	0.0000	0.9741	0.9786	0.8595	0.8352	0.1405	0.9807	0.9778
36	0.9545	0.9360	0.0455	0.0000	0.9741	0.9787	0.8594	0.8351	0.1406	0.9807	0.9778
37	0.9546	0.9361	0.0454	0.0000	0.9741	0.9787	0.8594	0.8351	0.1406	0.9807	0.9778

4. Hasil *training* dengan *train set* 80% (704 frame citra) dan *validation set* 10% (89 frame citra).

epoch	dice_coef	iou	loss	lr	precision_6	recall_6	val_dice_coef	val_iou	val_loss	val_precision_6	val_recall_6
1	0.8017	0.7056	0.1983	0.0001	0.8772	0.9556	0.7205	0.6102	0.2795	0.8524	0.9260
2	0.8807	0.8143	0.1193	0.0001	0.9461	0.9629	0.8126	0.7513	0.1874	0.9716	0.9047
3	0.9030	0.8504	0.0970	0.0001	0.9514	0.9632	0.8434	0.8047	0.1566	0.9702	0.9588
4	0.9158	0.8721	0.0842	0.0001	0.9546	0.9658	0.8532	0.8227	0.1468	0.9790	0.9585
5	0.9228	0.8844	0.0772	0.0001	0.9550	0.9668	0.8555	0.8269	0.1445	0.9741	0.9671
6	0.9266	0.8912	0.0734	0.0001	0.9580	0.9671	0.8002	0.7335	0.1998	0.9925	0.8339
7	0.9307	0.8985	0.0693	0.0001	0.9604	0.9688	0.8569	0.8296	0.1431	0.9809	0.9528
8	0.9350	0.9065	0.0650	0.0001	0.9617	0.9715	0.8591	0.8338	0.1409	0.9827	0.9596
9	0.9371	0.9104	0.0629	0.0001	0.9607	0.9723	0.8614	0.8380	0.1386	0.9792	0.9665
10	0.9373	0.9108	0.0627	0.0001	0.9631	0.9716	0.8615	0.8382	0.1385	0.9748	0.9718
11	0.9406	0.9168	0.0594	0.0001	0.9591	0.9744	0.8630	0.8410	0.1370	0.9762	0.9722
12	0.9412	0.9180	0.0588	0.0001	0.9600	0.9740	0.8629	0.8408	0.1371	0.9729	0.9724
13	0.9429	0.9213	0.0571	0.0001	0.9592	0.9759	0.8630	0.8410	0.1370	0.9694	0.9731
14	0.9434	0.9222	0.0566	0.0001	0.9611	0.9759	0.8646	0.8442	0.1354	0.9804	0.9711
15	0.9429	0.9213	0.0571	0.0001	0.9618	0.9748	0.8525	0.8214	0.1475	0.9870	0.9360
16	0.9441	0.9235	0.0559	0.0001	0.9642	0.9763	0.8626	0.8404	0.1374	0.9742	0.9713
17	0.9445	0.9243	0.0555	0.0001	0.9629	0.9764	0.8657	0.8462	0.1343	0.9841	0.9686
18	0.9420	0.9196	0.0580	0.0001	0.9620	0.9730	0.8654	0.8457	0.1346	0.9817	0.9713
19	0.9436	0.9226	0.0563	0.0001	0.9632	0.9753	0.8630	0.8411	0.1370	0.9814	0.9640
20	0.9464	0.9278	0.0536	0.0001	0.9629	0.9780	0.8659	0.8465	0.1341	0.9794	0.9761
21	0.9472	0.9293	0.0528	0.0001	0.9643	0.9784	0.8663	0.8474	0.1337	0.9818	0.9743
22	0.9477	0.9303	0.0523	0.0001	0.9647	0.9788	0.8661	0.8468	0.1339	0.9831	0.9719
23	0.9476	0.9301	0.0524	0.0001	0.9641	0.9787	0.8646	0.8440	0.1354	0.9770	0.9762
24	0.9474	0.9297	0.0526	0.0001	0.9672	0.9785	0.8608	0.8369	0.1392	0.9627	0.9826
25	0.9464	0.9279	0.0536	0.0001	0.9639	0.9779	0.8663	0.8473	0.1337	0.9834	0.9717
26	0.9459	0.9269	0.0541	0.0001	0.9592	0.9773	0.8669	0.8484	0.1331	0.9820	0.9739
27	0.9489	0.9326	0.0511	0.0001	0.9559	0.9799	0.8666	0.8479	0.1334	0.9835	0.9721
28	0.9488	0.9324	0.0512	0.0001	0.9543	0.9796	0.8662	0.8470	0.1338	0.9807	0.9725
29	0.9461	0.9273	0.0539	0.0001	0.9658	0.9766	0.8666	0.8478	0.1334	0.9833	0.9729
30	0.9494	0.9335	0.0506	0.0001	0.9629	0.9800	0.8658	0.8463	0.1342	0.9860	0.9675
31	0.9500	0.9347	0.0500	0.0001	0.9604	0.9806	0.8648	0.8445	0.1352	0.9846	0.9668
32	0.9507	0.9360	0.0493	0.0000	0.9666	0.9808	0.8675	0.8495	0.1325	0.9836	0.9749
33	0.9513	0.9371	0.0487	0.0000	0.9653	0.9815	0.8675	0.8496	0.1325	0.9842	0.9741
34	0.9516	0.9377	0.0484	0.0000	0.9649	0.9817	0.8676	0.8497	0.1324	0.9842	0.9741
35	0.9518	0.9382	0.0482	0.0000	0.9645	0.9820	0.8675	0.8496	0.1325	0.9844	0.9738

36	0.9520	0.9386	0.0480	0.0000	0.9643	0.9822	0.8676	0.8497	0.1324	0.9842	0.9741
37	0.9522	0.9389	0.0478	0.0000	0.9642	0.9824	0.8675	0.8496	0.1325	0.9846	0.9733
38	0.9524	0.9393	0.0476	0.0000	0.9646	0.9828	0.8677	0.8499	0.1323	0.9839	0.9749
39	0.9525	0.9395	0.0475	0.0000	0.9648	0.9826	0.8677	0.8499	0.1323	0.9840	0.9747
40	0.9525	0.9396	0.0475	0.0000	0.9648	0.9826	0.8677	0.8499	0.1323	0.9840	0.9746
41	0.9526	0.9397	0.0474	0.0000	0.9649	0.9826	0.8676	0.8499	0.1324	0.9840	0.9746
42	0.9526	0.9397	0.0474	0.0000	0.9649	0.9826	0.8676	0.8498	0.1324	0.9840	0.9746
43	0.9526	0.9398	0.0474	0.0000	0.9650	0.9827	0.8676	0.8498	0.1324	0.9840	0.9746
44	0.9527	0.9398	0.0473	0.0000	0.9650	0.9827	0.8676	0.8498	0.1324	0.9840	0.9746
45	0.9527	0.9399	0.0473	0.0000	0.9651	0.9827	0.8676	0.8498	0.1324	0.9840	0.9746
46	0.9527	0.9400	0.0473	0.0000	0.9652	0.9827	0.8676	0.8498	0.1324	0.9840	0.9746
47	0.9528	0.9400	0.0472	0.0000	0.9652	0.9828	0.8676	0.8498	0.1324	0.9840	0.9746
48	0.9528	0.9401	0.0472	0.0000	0.9652	0.9828	0.8676	0.8498	0.1324	0.9840	0.9746

5. Hasil *training* dengan *train set* 90% (792 frame citra) dan *validation set* 5% (45 frame citra).

epoch	dice_coef	iou	loss	lr	precision_5	recall_5	val_dice_coef	val_iou	val_loss	val_precision_5	val_recall_5
1	0.8026	0.7094	0.1974	0.0001	0.8855	0.9588	0.8184	0.7239	0.1816	0.9042	0.9441
2	0.8744	0.8126	0.1256	0.0001	0.9359	0.9642	0.8943	0.8426	0.1057	0.9531	0.9743
3	0.8956	0.8473	0.1044	0.0001	0.9488	0.9655	0.9051	0.8617	0.0949	0.9426	0.9827
4	0.9060	0.8651	0.0940	0.0001	0.9519	0.9669	0.9116	0.8729	0.0884	0.9454	0.9880
5	0.9133	0.8778	0.0867	0.0001	0.9569	0.9677	0.9143	0.8780	0.0857	0.9477	0.9848
6	0.9171	0.8845	0.0829	0.0001	0.9630	0.9687	0.9202	0.8885	0.0798	0.9641	0.9732
7	0.9200	0.8894	0.0800	0.0001	0.9649	0.9695	0.9229	0.8937	0.0771	0.9634	0.9797
8	0.9229	0.8942	0.0770	0.0001	0.9612	0.9702	0.9259	0.8992	0.0741	0.9684	0.9793
9	0.9254	0.8979	0.0746	0.0001	0.9568	0.9713	0.9266	0.9006	0.0734	0.9681	0.9776
10	0.9241	0.8963	0.0759	0.0001	0.9649	0.9688	0.9153	0.8797	0.0847	0.9638	0.9592
11	0.9235	0.8953	0.0765	0.0001	0.9661	0.9682	0.9269	0.9011	0.0731	0.9765	0.9675
12	0.9302	0.9058	0.0698	0.0001	0.9693	0.9733	0.9289	0.9050	0.0711	0.9748	0.9748
13	0.9319	0.9089	0.0681	0.0001	0.9713	0.9741	0.9285	0.9041	0.0715	0.9751	0.9749
14	0.9271	0.9008	0.0729	0.0001	0.9666	0.9702	0.9238	0.8952	0.0762	0.9697	0.9696
15	0.9311	0.9075	0.0689	0.0001	0.9740	0.9738	0.9286	0.9044	0.0714	0.9720	0.9777
16	0.9334	0.9115	0.0666	0.0001	0.9765	0.9752	0.9306	0.9082	0.0694	0.9750	0.9779
17	0.9353	0.9148	0.0647	0.0001	0.9717	0.9765	0.9310	0.9088	0.0690	0.9778	0.9751
18	0.9360	0.9161	0.0640	0.0001	0.9746	0.9770	0.9310	0.9089	0.0690	0.9781	0.9743
19	0.9365	0.9170	0.0635	0.0001	0.9759	0.9774	0.9308	0.9085	0.0692	0.9771	0.9743
20	0.9365	0.9171	0.0635	0.0001	0.9742	0.9772	0.9319	0.9106	0.0681	0.9741	0.9809
21	0.9370	0.9180	0.0630	0.0001	0.9790	0.9779	0.9305	0.9080	0.0695	0.9771	0.9741
22	0.9376	0.9191	0.0624	0.0001	0.9730	0.9780	0.9318	0.9105	0.0682	0.9730	0.9813
23	0.9364	0.9169	0.0636	0.0001	0.9654	0.9771	0.9269	0.9011	0.0731	0.9651	0.9816
24	0.9285	0.9038	0.0715	0.0001	0.9663	0.9700	0.9126	0.8746	0.0874	0.9607	0.9549
25	0.9357	0.9156	0.0643	0.0001	0.9651	0.9762	0.9301	0.9071	0.0699	0.9815	0.9683
26	0.9382	0.9203	0.0618	0.0000	0.9788	0.9784	0.9326	0.9120	0.0674	0.9789	0.9763
27	0.9389	0.9216	0.0611	0.0000	0.9783	0.9792	0.9329	0.9125	0.0671	0.9792	0.9768
28	0.9392	0.9222	0.0608	0.0000	0.9783	0.9795	0.9332	0.9130	0.0668	0.9798	0.9767
29	0.9394	0.9226	0.0606	0.0000	0.9783	0.9796	0.9333	0.9132	0.0667	0.9802	0.9766
30	0.9396	0.9230	0.0604	0.0000	0.9784	0.9798	0.9334	0.9135	0.0666	0.9805	0.9765
31	0.9399	0.9234	0.0601	0.0000	0.9784	0.9799	0.9335	0.9136	0.0665	0.9811	0.9761
32	0.9400	0.9238	0.0600	0.0000	0.9787	0.9800	0.9336	0.9138	0.0664	0.9810	0.9764
33	0.9402	0.9241	0.0598	0.0000	0.9787	0.9802	0.9336	0.9138	0.0664	0.9815	0.9758
34	0.9404	0.9245	0.0596	0.0000	0.9789	0.9802	0.9337	0.9140	0.0663	0.9812	0.9764
35	0.9406	0.9248	0.0594	0.0000	0.9787	0.9805	0.9337	0.9141	0.0663	0.9814	0.9763
36	0.9408	0.9253	0.0592	0.0000	0.9792	0.9805	0.9337	0.9140	0.0663	0.9817	0.9758
37	0.9410	0.9256	0.0590	0.0000	0.9788	0.9808	0.9338	0.9141	0.0662	0.9812	0.9766
38	0.9412	0.9260	0.0588	0.0000	0.9788	0.9810	0.9337	0.9140	0.0663	0.9815	0.9760
39	0.9414	0.9264	0.0586	0.0000	0.9786	0.9811	0.9338	0.9141	0.0662	0.9812	0.9766
40	0.9416	0.9267	0.0584	0.0000	0.9791	0.9812	0.9338	0.9141	0.0662	0.9811	0.9764
41	0.9417	0.9270	0.0583	0.0000	0.9787	0.9813	0.9339	0.9144	0.0661	0.9793	0.9791
42	0.9419	0.9273	0.0581	0.0000	0.9790	0.9815	0.9339	0.9144	0.0661	0.9792	0.9790
43	0.9419	0.9274	0.0581	0.0000	0.9791	0.9815	0.9339	0.9143	0.0661	0.9792	0.9789
44	0.9420	0.9275	0.0580	0.0000	0.9792	0.9815	0.9339	0.9143	0.0661	0.9792	0.9789
45	0.9420	0.9276	0.0580	0.0000	0.9793	0.9816	0.9339	0.9143	0.0661	0.9793	0.9789
46	0.9421	0.9276	0.0579	0.0000	0.9793	0.9816	0.9339	0.9144	0.0661	0.9792	0.9789
47	0.9421	0.9277	0.0579	0.0000	0.9793	0.9816	0.9339	0.9143	0.0661	0.9793	0.9788
48	0.9421	0.9277	0.0579	0.0000	0.9793	0.9816	0.9339	0.9143	0.0661	0.9792	0.9789
49	0.9422	0.9278	0.0578	0.0000	0.9794	0.9816	0.9339	0.9143	0.0661	0.9793	0.9788
50	0.9422	0.9279	0.0578	0.0000	0.9794	0.9816	0.9339	0.9143	0.0661	0.9792	0.9789
51	0.9422	0.9279	0.0578	0.0000	0.9794	0.9817	0.9339	0.9143	0.0661	0.9793	0.9788

Lampiran 6. *Record Training* Model tanpa Deteksi Tepi.

1. Hasil *training* dengan *train set* 50% (440 frame citra) dan *validation set* 25% (220 frame citra).

epoch	dice_coef	iou	loss	lr	precision	recall	val_dice_coef	val_iou	val_loss	val_precision	val_recall
1	0.7686	0.6645	0.2314	0.0001	0.8470	0.9566	0.0659	0.0343	0.9341	0.0000	0.0000
2	0.8649	0.7908	0.1351	0.0001	0.9355	0.9694	0.1902	0.1139	0.8098	0.9999	0.1182
3	0.8898	0.8290	0.1102	0.0001	0.9401	0.9716	0.7921	0.7532	0.2079	0.9826	0.9560
4	0.9095	0.8612	0.0905	0.0001	0.9523	0.9763	0.8041	0.7747	0.1959	0.9771	0.9776
5	0.9194	0.8780	0.0806	0.0001	0.9526	0.9768	0.8051	0.7767	0.1949	0.9660	0.9858
6	0.9259	0.8890	0.0741	0.0001	0.9556	0.9770	0.8096	0.7849	0.1904	0.9723	0.9828
7	0.9281	0.8928	0.0719	0.0001	0.9532	0.9748	0.8017	0.7705	0.1983	0.9585	0.9806
8	0.9321	0.8999	0.0679	0.0001	0.9556	0.9755	0.8126	0.7905	0.1874	0.9729	0.9837
9	0.9370	0.9086	0.0630	0.0001	0.9568	0.9777	0.8146	0.7942	0.1854	0.9772	0.9822
10	0.9397	0.9134	0.0603	0.0001	0.9592	0.9780	0.8139	0.7929	0.1861	0.9710	0.9851
11	0.9409	0.9158	0.0591	0.0001	0.9578	0.9782	0.8148	0.7946	0.1852	0.9755	0.9822
12	0.9429	0.9194	0.0571	0.0001	0.9597	0.9787	0.8168	0.7983	0.1832	0.9783	0.9823
13	0.9440	0.9214	0.0560	0.0001	0.9603	0.9788	0.8167	0.7982	0.1833	0.9767	0.9836
14	0.9451	0.9234	0.0549	0.0001	0.9607	0.9787	0.8163	0.7975	0.1837	0.9722	0.9826
15	0.9436	0.9207	0.0564	0.0001	0.9587	0.9773	0.7620	0.7051	0.2380	0.8562	0.9963
16	0.9427	0.9190	0.0573	0.0001	0.9572	0.9766	0.8156	0.7961	0.1844	0.9709	0.9875
17	0.9465	0.9261	0.0535	0.0001	0.9593	0.9788	0.8173	0.7993	0.1827	0.9778	0.9806
18	0.9460	0.9250	0.0540	0.0001	0.9598	0.9777	0.8157	0.7964	0.1843	0.9738	0.9811
19	0.9454	0.9241	0.0546	0.0001	0.9576	0.9776	0.8168	0.7985	0.1832	0.9767	0.9824
20	0.9476	0.9282	0.0524	0.0001	0.9613	0.9786	0.8178	0.8003	0.1822	0.9757	0.9811
21	0.9484	0.9297	0.0516	0.0001	0.9628	0.9789	0.8183	0.8012	0.1817	0.9819	0.9780
22	0.9484	0.9296	0.0516	0.0001	0.9631	0.9795	0.8185	0.8016	0.1815	0.9787	0.9819
23	0.9492	0.9311	0.0508	0.0001	0.9635	0.9793	0.8186	0.8018	0.1814	0.9815	0.9791
24	0.9493	0.9314	0.0507	0.0001	0.9641	0.9793	0.8190	0.8026	0.1810	0.9816	0.9788
25	0.9501	0.9328	0.0499	0.0001	0.9638	0.9799	0.8186	0.8017	0.1814	0.9801	0.9780
26	0.9502	0.9329	0.0498	0.0001	0.9630	0.9798	0.8190	0.8025	0.1810	0.9813	0.9782
27	0.9504	0.9333	0.0496	0.0001	0.9636	0.9798	0.8177	0.8000	0.1823	0.9749	0.9802
28	0.9472	0.9276	0.0528	0.0001	0.9619	0.9766	0.5955	0.4811	0.4045	0.4834	0.9997
29	0.9451	0.9235	0.0549	0.0001	0.9616	0.9754	0.8174	0.7995	0.1826	0.9742	0.9832
30	0.9494	0.9315	0.0506	0.0000	0.9686	0.9794	0.8195	0.8035	0.1805	0.9840	0.9787
31	0.9504	0.9333	0.0496	0.0000	0.9706	0.9797	0.8197	0.8039	0.1803	0.9849	0.9783
32	0.9507	0.9340	0.0493	0.0000	0.9707	0.9800	0.8199	0.8042	0.1801	0.9852	0.9783
33	0.9510	0.9346	0.0490	0.0000	0.9708	0.9802	0.8201	0.8045	0.1799	0.9854	0.9785
34	0.9513	0.9351	0.0487	0.0000	0.9709	0.9803	0.8202	0.8047	0.1798	0.9855	0.9787
35	0.9515	0.9356	0.0485	0.0000	0.9709	0.9805	0.8202	0.8049	0.1798	0.9855	0.9789
36	0.9517	0.9360	0.0483	0.0000	0.9708	0.9807	0.8203	0.8050	0.1797	0.9857	0.9788
37	0.9519	0.9363	0.0481	0.0000	0.9708	0.9809	0.8203	0.8050	0.1797	0.9858	0.9787
38	0.9521	0.9367	0.0479	0.0000	0.9708	0.9810	0.8204	0.8052	0.1796	0.9860	0.9786
39	0.9523	0.9370	0.0477	0.0000	0.9708	0.9811	0.8204	0.8053	0.1796	0.9859	0.9790
40	0.9524	0.9372	0.0476	0.0000	0.9709	0.9811	0.8204	0.8051	0.1796	0.9862	0.9783
41	0.9526	0.9376	0.0474	0.0000	0.9710	0.9813	0.8204	0.8052	0.1796	0.9858	0.9790
42	0.9528	0.9379	0.0472	0.0000	0.9710	0.9814	0.8204	0.8052	0.1796	0.9865	0.9781
43	0.9529	0.9383	0.0471	0.0000	0.9711	0.9815	0.8204	0.8051	0.1796	0.9859	0.9789
44	0.9531	0.9385	0.0469	0.0000	0.9712	0.9815	0.8203	0.8051	0.1797	0.9865	0.9779
45	0.9533	0.9390	0.0467	0.0000	0.9709	0.9822	0.8204	0.8051	0.1796	0.9864	0.9781
46	0.9534	0.9392	0.0466	0.0000	0.9715	0.9818	0.8203	0.8050	0.1797	0.9864	0.9779
47	0.9535	0.9393	0.0465	0.0000	0.9717	0.9817	0.8203	0.8050	0.1797	0.9865	0.9778
48	0.9535	0.9394	0.0465	0.0000	0.9718	0.9817	0.8203	0.8049	0.1797	0.9865	0.9777
49	0.9535	0.9394	0.0465	0.0000	0.9719	0.9817	0.8203	0.8049	0.1797	0.9865	0.9777

2. Hasil *training* dengan *train set* 60% (528 frame citra) dan *validation set* 20% (176 frame citra).

epoch	dice_coef	iou	loss	lr	precision_1	recall_1	val_dice_coef	val_iou	val_loss	val_precision_1	val_recall_1
1	0.7749	0.6760	0.2251	0.0001	0.8545	0.9553	0.0411	0.0211	0.9589	0.0000	0.0000
2	0.8653	0.7983	0.1347	0.0001	0.9272	0.9702	0.8012	0.7352	0.1988	0.9034	0.9737
3	0.8889	0.8353	0.1111	0.0001	0.9364	0.9731	0.8465	0.8114	0.1535	0.9704	0.9526
4	0.9037	0.8596	0.0963	0.0001	0.9420	0.9745	0.8487	0.8151	0.1513	0.9736	0.9726
5	0.9111	0.8720	0.0889	0.0001	0.9432	0.9742	0.8552	0.8270	0.1448	0.9647	0.9800
6	0.9158	0.8798	0.0842	0.0001	0.9475	0.9738	0.8556	0.8276	0.1444	0.9760	0.9715
7	0.9240	0.8937	0.0760	0.0001	0.9515	0.9772	0.8590	0.8336	0.1410	0.9833	0.9705

8	0.9283	0.9012	0.0717	0.0001	0.9535	0.9785	0.8625	0.8402	0.1375	0.9752	0.9867
9	0.9304	0.9049	0.0696	0.0001	0.9517	0.9784	0.8616	0.8387	0.1384	0.9743	0.9797
10	0.9303	0.9046	0.0697	0.0001	0.9430	0.9771	0.7992	0.7369	0.2008	0.8569	0.9848
11	0.9323	0.9083	0.0677	0.0001	0.9486	0.9773	0.8659	0.8466	0.1341	0.9811	0.9822
12	0.9342	0.9118	0.0658	0.0001	0.9532	0.9787	0.8632	0.8415	0.1368	0.9688	0.9880
13	0.9357	0.9145	0.0643	0.0001	0.9522	0.9793	0.8667	0.8481	0.1333	0.9810	0.9827
14	0.9358	0.9148	0.0642	0.0001	0.9508	0.9792	0.8658	0.8463	0.1342	0.9740	0.9895
15	0.9317	0.9075	0.0683	0.0001	0.9491	0.9740	0.6526	0.5331	0.3474	0.6062	0.9996
16	0.9313	0.9066	0.0687	0.0001	0.9470	0.9749	0.8561	0.8286	0.1439	0.9866	0.9471
17	0.9363	0.9156	0.0637	0.0001	0.9528	0.9780	0.8655	0.8458	0.1345	0.9737	0.9877
18	0.9380	0.9188	0.0620	0.0001	0.9538	0.9795	0.8673	0.8492	0.1327	0.9792	0.9845
19	0.9384	0.9195	0.0616	0.0001	0.9510	0.9797	0.8628	0.8407	0.1372	0.9661	0.9913
20	0.9379	0.9186	0.0621	0.0001	0.9528	0.9790	0.8678	0.8501	0.1322	0.9833	0.9792
21	0.9393	0.9213	0.0607	0.0001	0.9529	0.9800	0.8665	0.8477	0.1335	0.9737	0.9896
22	0.9398	0.9222	0.0602	0.0001	0.9545	0.9801	0.8680	0.8505	0.1320	0.9793	0.9851
23	0.9391	0.9208	0.0609	0.0001	0.9486	0.9795	0.8653	0.8455	0.1347	0.9760	0.9841
24	0.9399	0.9223	0.0601	0.0001	0.9560	0.9801	0.8681	0.8508	0.1319	0.9785	0.9866
25	0.9406	0.9237	0.0594	0.0001	0.9528	0.9805	0.8678	0.8503	0.1322	0.9781	0.9865
26	0.9408	0.9242	0.0592	0.0001	0.9542	0.9804	0.8672	0.8490	0.1328	0.9765	0.9871
27	0.9410	0.9245	0.0590	0.0001	0.9524	0.9804	0.8678	0.8502	0.1322	0.9805	0.9831
28	0.9409	0.9243	0.0591	0.0001	0.9478	0.9802	0.8637	0.8425	0.1363	0.9785	0.9751
29	0.9411	0.9246	0.0589	0.0001	0.9522	0.9806	0.8535	0.8241	0.1465	0.9486	0.9861
30	0.9406	0.9238	0.0594	0.0000	0.9508	0.9796	0.8692	0.8528	0.1308	0.9818	0.9836
31	0.9422	0.9267	0.0578	0.0000	0.9532	0.9812	0.8693	0.8531	0.1307	0.9830	0.9823
32	0.9425	0.9273	0.0575	0.0000	0.9529	0.9814	0.8693	0.8531	0.1307	0.9833	0.9820
33	0.9427	0.9278	0.0573	0.0000	0.9523	0.9814	0.8693	0.8531	0.1307	0.9838	0.9814
34	0.9429	0.9281	0.0571	0.0000	0.9524	0.9815	0.8693	0.8531	0.1307	0.9840	0.9812
35	0.9431	0.9284	0.0569	0.0000	0.9521	0.9816	0.8693	0.8531	0.1307	0.9843	0.9808
36	0.9432	0.9287	0.0568	0.0000	0.9520	0.9817	0.8693	0.8531	0.1307	0.9847	0.9803
37	0.9435	0.9293	0.0565	0.0000	0.9525	0.9818	0.8695	0.8534	0.1305	0.9843	0.9812
38	0.9436	0.9294	0.0564	0.0000	0.9524	0.9819	0.8695	0.8534	0.1305	0.9844	0.9812
39	0.9436	0.9294	0.0564	0.0000	0.9524	0.9819	0.8695	0.8534	0.1305	0.9844	0.9811
40	0.9436	0.9295	0.0564	0.0000	0.9525	0.9820	0.8695	0.8534	0.1305	0.9844	0.9810
41	0.9437	0.9295	0.0563	0.0000	0.9525	0.9820	0.8695	0.8534	0.1305	0.9845	0.9810
42	0.9437	0.9296	0.0563	0.0000	0.9525	0.9820	0.8695	0.8534	0.1305	0.9845	0.9809
43	0.9437	0.9296	0.0563	0.0000	0.9525	0.9820	0.8695	0.8534	0.1305	0.9845	0.9809
44	0.9437	0.9297	0.0563	0.0000	0.9525	0.9820	0.8695	0.8534	0.1305	0.9846	0.9808
45	0.9438	0.9297	0.0562	0.0000	0.9525	0.9821	0.8695	0.8534	0.1305	0.9846	0.9808
46	0.9438	0.9298	0.0562	0.0000	0.9525	0.9821	0.8695	0.8533	0.1305	0.9846	0.9808
47	0.9438	0.9298	0.0562	0.0000	0.9525	0.9821	0.8695	0.8533	0.1305	0.9846	0.9807
48	0.9438	0.9299	0.0562	0.0000	0.9525	0.9821	0.8695	0.8533	0.1305	0.9846	0.9807

3. Hasil *training* dengan *train set* 70% (616 frame citra) dan *validation set* 15% (132 frame citra).

epoch	dice_coef	iou	loss	lr	precision_2	recall_2	val_dice_coef	val_iou	val_loss	val_precision_2	val_recall_2
1	0.7983	0.7005	0.2017	0.0001	0.8700	0.9599	0.0409	0.0209	0.9591	0.0000	0.0000
2	0.8856	0.8207	0.1144	0.0001	0.9449	0.9704	0.8211	0.7741	0.1789	0.9811	0.9403
3	0.9125	0.8637	0.0875	0.0001	0.9554	0.9742	0.8298	0.7874	0.1702	0.9705	0.9748
4	0.9254	0.8850	0.0746	0.0001	0.9580	0.9751	0.8508	0.8186	0.1492	0.9698	0.9858
5	0.9336	0.8990	0.0664	0.0001	0.9616	0.9765	0.8363	0.7966	0.1637	0.9816	0.9577
6	0.9389	0.9079	0.0611	0.0001	0.9623	0.9763	0.8592	0.8311	0.1408	0.9821	0.9721
7	0.9430	0.9151	0.0570	0.0001	0.9637	0.9768	0.8344	0.7883	0.1656	0.9198	0.9949
8	0.9434	0.9159	0.0566	0.0001	0.9604	0.9755	0.8053	0.7382	0.1947	0.9849	0.8637
9	0.9467	0.9216	0.0533	0.0001	0.9651	0.9768	0.8634	0.8365	0.1366	0.9852	0.9631
10	0.9497	0.9270	0.0503	0.0001	0.9640	0.9783	0.8698	0.8482	0.1302	0.9812	0.9817
11	0.9508	0.9291	0.0492	0.0001	0.9645	0.9786	0.8702	0.8490	0.1298	0.9796	0.9837
12	0.9430	0.9153	0.0570	0.0001	0.9605	0.9692	0.8534	0.8203	0.1466	0.9753	0.9612
13	0.9498	0.9273	0.0502	0.0001	0.9665	0.9768	0.8659	0.8409	0.1341	0.9848	0.9682
14	0.9519	0.9311	0.0481	0.0001	0.9658	0.9782	0.8723	0.8526	0.1277	0.9832	0.9808
15	0.9531	0.9333	0.0469	0.0001	0.9671	0.9787	0.8725	0.8529	0.1275	0.9849	0.9789
16	0.9531	0.9334	0.0469	0.0001	0.9645	0.9782	0.8656	0.8404	0.1344	0.9638	0.9863
17	0.9539	0.9348	0.0461	0.0001	0.9667	0.9789	0.8716	0.8514	0.1284	0.9876	0.9740
18	0.9546	0.9361	0.0454	0.0001	0.9648	0.9793	0.8698	0.8476	0.1302	0.9725	0.9871
19	0.9546	0.9362	0.0454	0.0001	0.9665	0.9794	0.8716	0.8512	0.1284	0.9883	0.9718
20	0.9551	0.9370	0.0449	0.0001	0.9652	0.9792	0.8732	0.8541	0.1268	0.9820	0.9813
21	0.9554	0.9377	0.0446	0.0001	0.9664	0.9796	0.8738	0.8552	0.1262	0.9855	0.9784
22	0.9533	0.9338	0.0467	0.0001	0.9657	0.9778	0.8471	0.8083	0.1529	0.9826	0.9290
23	0.9527	0.9326	0.0473	0.0001	0.9669	0.9771	0.8702	0.8484	0.1298	0.9895	0.9663

24	0.9556	0.9381	0.0444	0.0001	0.9668	0.9793	0.8735	0.8546	0.1265	0.9810	0.9829
25	0.9562	0.9392	0.0438	0.0001	0.9670	0.9800	0.8733	0.8542	0.1267	0.9872	0.9748
26	0.9564	0.9396	0.0436	0.0001	0.9674	0.9798	0.8644	0.8418	0.1356	0.9750	0.9832
27	0.9569	0.9406	0.0431	0.0000	0.9685	0.9803	0.8753	0.8578	0.1247	0.9860	0.9797
28	0.9576	0.9418	0.0424	0.0000	0.9690	0.9809	0.8755	0.8581	0.1245	0.9858	0.9801
29	0.9578	0.9422	0.0422	0.0000	0.9687	0.9809	0.8754	0.8581	0.1246	0.9858	0.9801
30	0.9579	0.9425	0.0421	0.0000	0.9686	0.9810	0.8754	0.8581	0.1246	0.9857	0.9803
31	0.9581	0.9428	0.0419	0.0000	0.9686	0.9810	0.8754	0.8580	0.1246	0.9857	0.9801
32	0.9582	0.9430	0.0418	0.0000	0.9686	0.9810	0.8755	0.8581	0.1245	0.9854	0.9807
33	0.9583	0.9433	0.0417	0.0000	0.9687	0.9810	0.8754	0.8581	0.1246	0.9854	0.9806
34	0.9585	0.9436	0.0415	0.0000	0.9686	0.9812	0.8756	0.8584	0.1244	0.9857	0.9805
35	0.9586	0.9438	0.0414	0.0000	0.9688	0.9812	0.8757	0.8585	0.1243	0.9856	0.9807
36	0.9586	0.9438	0.0414	0.0000	0.9689	0.9813	0.8757	0.8585	0.1243	0.9856	0.9808
37	0.9587	0.9439	0.0413	0.0000	0.9689	0.9813	0.8757	0.8585	0.1243	0.9855	0.9809
38	0.9587	0.9439	0.0413	0.0000	0.9689	0.9814	0.8756	0.8585	0.1244	0.9855	0.9809
39	0.9587	0.9440	0.0413	0.0000	0.9690	0.9814	0.8756	0.8585	0.1244	0.9855	0.9809
40	0.9587	0.9440	0.0413	0.0000	0.9690	0.9814	0.8756	0.8585	0.1244	0.9855	0.9809
41	0.9587	0.9440	0.0413	0.0000	0.9690	0.9814	0.8756	0.8585	0.1244	0.9855	0.9809
42	0.9588	0.9441	0.0412	0.0000	0.9690	0.9814	0.8756	0.8585	0.1244	0.9855	0.9809
43	0.9588	0.9441	0.0412	0.0000	0.9690	0.9814	0.8756	0.8585	0.1244	0.9855	0.9809
44	0.9588	0.9442	0.0412	0.0000	0.9690	0.9814	0.8756	0.8585	0.1244	0.9855	0.9809
45	0.9588	0.9442	0.0412	0.0000	0.9690	0.9814	0.8756	0.8584	0.1244	0.9855	0.9809
46	0.9588	0.9442	0.0412	0.0000	0.9690	0.9814	0.8756	0.8584	0.1244	0.9855	0.9809

4. Hasil *training* dengan *train set* 80% (704 frame citra) dan *validation set* 10% (89 frame citra).

epoch	dice_coef	iou	loss	lr	precision_3	recall_3	val_dice_coef	val_iou	val_loss	val_precision_3	val_recall_3
1	0.8099	0.7180	0.1901	0.0001	0.8828	0.9616	0.0235	0.0119	0.9765	0.0000	0.0000
2	0.8889	0.8287	0.1111	0.0001	0.9385	0.9688	0.8424	0.8031	0.1576	0.9705	0.9781
3	0.9126	0.8673	0.0874	0.0001	0.9431	0.9732	0.8445	0.8072	0.1555	0.9398	0.9847
4	0.9256	0.8900	0.0744	0.0001	0.9481	0.9763	0.8590	0.8336	0.1410	0.9810	0.9751
5	0.9334	0.9038	0.0666	0.0001	0.9518	0.9778	0.8608	0.8369	0.1392	0.9793	0.9783
6	0.9370	0.9103	0.0630	0.0001	0.9503	0.9779	0.8634	0.8418	0.1366	0.9788	0.9799
7	0.9362	0.9089	0.0638	0.0001	0.9494	0.9748	0.8648	0.8445	0.1352	0.9823	0.9765
8	0.9410	0.9177	0.0590	0.0001	0.9521	0.9779	0.8652	0.8452	0.1348	0.9799	0.9785
9	0.9402	0.9163	0.0597	0.0001	0.9489	0.9760	0.8660	0.8468	0.1340	0.9826	0.9756
10	0.9436	0.9226	0.0564	0.0001	0.9500	0.9787	0.8669	0.8484	0.1331	0.9831	0.9766
11	0.9447	0.9247	0.0553	0.0001	0.9496	0.9791	0.8668	0.8483	0.1332	0.9815	0.9777
12	0.9454	0.9260	0.0546	0.0001	0.9486	0.9790	0.8666	0.8479	0.1334	0.9797	0.9784
13	0.9457	0.9265	0.0543	0.0001	0.9498	0.9786	0.6343	0.5424	0.3657	0.3766	0.9871
14	0.9458	0.9267	0.0542	0.0001	0.9510	0.9789	0.8675	0.8496	0.1325	0.9823	0.9774
15	0.9469	0.9289	0.0531	0.0001	0.9501	0.9793	0.8681	0.8507	0.1319	0.9837	0.9770
16	0.9451	0.9256	0.0549	0.0001	0.9514	0.9769	0.8675	0.8497	0.1325	0.9824	0.9775
17	0.9467	0.9284	0.0533	0.0001	0.9500	0.9789	0.8683	0.8512	0.1317	0.9816	0.9800
18	0.9479	0.9307	0.0521	0.0001	0.9518	0.9796	0.8684	0.8514	0.1316	0.9835	0.9776
19	0.9481	0.9312	0.0519	0.0001	0.9509	0.9797	0.8666	0.8478	0.1334	0.9811	0.9751
20	0.9474	0.9298	0.0526	0.0001	0.9549	0.9789	0.8691	0.8526	0.1309	0.9844	0.9781
21	0.9486	0.9321	0.0514	0.0001	0.9507	0.9798	0.8690	0.8525	0.1310	0.9838	0.9786
22	0.9490	0.9327	0.0510	0.0001	0.9512	0.9801	0.8689	0.8522	0.1311	0.9839	0.9783
23	0.9476	0.9301	0.0524	0.0001	0.9496	0.9785	0.8655	0.8458	0.1345	0.9745	0.9798
24	0.9487	0.9322	0.0513	0.0001	0.9527	0.9797	0.8691	0.8527	0.1309	0.9842	0.9782
25	0.9497	0.9342	0.0503	0.0001	0.9510	0.9805	0.8685	0.8514	0.1315	0.9849	0.9752
26	0.9502	0.9351	0.0498	0.0000	0.9521	0.9809	0.8699	0.8541	0.1301	0.9841	0.9801
27	0.9507	0.9361	0.0493	0.0000	0.9519	0.9811	0.8698	0.8541	0.1302	0.9844	0.9794
28	0.9509	0.9365	0.0491	0.0000	0.9519	0.9813	0.8698	0.8540	0.1302	0.9845	0.9792
29	0.9511	0.9368	0.0489	0.0000	0.9520	0.9814	0.8698	0.8540	0.1302	0.9844	0.9793
30	0.9513	0.9371	0.0487	0.0000	0.9522	0.9815	0.8698	0.8540	0.1302	0.9844	0.9792
31	0.9514	0.9374	0.0486	0.0000	0.9524	0.9815	0.8698	0.8540	0.1302	0.9843	0.9792
32	0.9516	0.9377	0.0484	0.0000	0.9530	0.9817	0.8698	0.8539	0.1302	0.9840	0.9797
33	0.9517	0.9379	0.0483	0.0000	0.9530	0.9817	0.8698	0.8539	0.1302	0.9841	0.9796
34	0.9517	0.9380	0.0483	0.0000	0.9529	0.9818	0.8698	0.8539	0.1302	0.9840	0.9796
35	0.9517	0.9381	0.0483	0.0000	0.9528	0.9818	0.8697	0.8539	0.1303	0.9840	0.9796
36	0.9518	0.9381	0.0482	0.0000	0.9528	0.9818	0.8697	0.8538	0.1303	0.9840	0.9796

5. Hasil *training* dengan *train set* 90% (792 frame citra) dan *validation set* 5% (45 frame citra).

epoch	dice_coef	iou	loss	lr	precision_4	recall_4	val_dice_coef	val_iou	val_loss	val_precision_4	val_recall_4
1	0.8087	0.7192	0.1913	0.0001	0.8753	0.9626	0.0298	0.0152	0.9702	0.0000	0.0000
2	0.8845	0.8296	0.1155	0.0001	0.9320	0.9709	0.9169	0.8828	0.0831	0.9780	0.9722
3	0.9010	0.8574	0.0990	0.0001	0.9408	0.9693	0.9220	0.8920	0.0780	0.9725	0.9786
4	0.9154	0.8818	0.0846	0.0001	0.9496	0.9747	0.9254	0.8985	0.0746	0.9699	0.9811
5	0.9222	0.8934	0.0778	0.0001	0.9550	0.9765	0.9279	0.9032	0.0721	0.9722	0.9817
6	0.9250	0.8979	0.0750	0.0001	0.9521	0.9753	0.9254	0.8987	0.0746	0.9651	0.9828
7	0.9287	0.9043	0.0713	0.0001	0.9551	0.9771	0.9308	0.9085	0.0692	0.9785	0.9784
8	0.9306	0.9076	0.0694	0.0001	0.9548	0.9774	0.9185	0.8859	0.0815	0.9737	0.9599
9	0.9324	0.9105	0.0676	0.0001	0.9553	0.9775	0.9319	0.9106	0.0681	0.9796	0.9777
10	0.9339	0.9129	0.0661	0.0001	0.9565	0.9777	0.9322	0.9112	0.0678	0.9795	0.9781
11	0.9330	0.9112	0.0670	0.0001	0.9528	0.9760	0.9326	0.9119	0.0674	0.9742	0.9833
12	0.9274	0.9017	0.0726	0.0001	0.9484	0.9709	0.9316	0.9101	0.0684	0.9777	0.9760
13	0.9337	0.9126	0.0663	0.0001	0.9580	0.9767	0.9319	0.9107	0.0681	0.9793	0.9750
14	0.9366	0.9174	0.0634	0.0001	0.9583	0.9787	0.9312	0.9094	0.0688	0.9827	0.9707
15	0.9372	0.9186	0.0628	0.0001	0.9605	0.9789	0.9337	0.9141	0.0663	0.9846	0.9731
16	0.9381	0.9201	0.0619	0.0001	0.9593	0.9793	0.9347	0.9159	0.0653	0.9839	0.9768
17	0.9385	0.9209	0.0615	0.0001	0.9583	0.9793	0.9346	0.9157	0.0654	0.9822	0.9780
18	0.9377	0.9193	0.0623	0.0001	0.9556	0.9786	0.8155	0.7503	0.1845	0.7041	0.9944
19	0.9324	0.9105	0.0676	0.0001	0.9558	0.9734	0.9193	0.8872	0.0807	0.9793	0.9495
20	0.9380	0.9199	0.0620	0.0001	0.9633	0.9791	0.9346	0.9158	0.0654	0.9830	0.9771
21	0.9373	0.9186	0.0627	0.0001	0.9603	0.9781	0.9350	0.9166	0.0650	0.9825	0.9783
22	0.9382	0.9203	0.0618	0.0001	0.9584	0.9790	0.9349	0.9163	0.0651	0.9810	0.9800
23	0.9389	0.9215	0.0611	0.0001	0.9587	0.9793	0.9350	0.9165	0.0650	0.9819	0.9788
24	0.9390	0.9219	0.0610	0.0001	0.9571	0.9796	0.9351	0.9168	0.0649	0.9840	0.9771
25	0.9396	0.9230	0.0604	0.0001	0.9596	0.9799	0.9353	0.9172	0.0647	0.9833	0.9782
26	0.9399	0.9236	0.0601	0.0001	0.9588	0.9799	0.9350	0.9165	0.0650	0.9824	0.9793
27	0.9398	0.9234	0.0602	0.0001	0.9581	0.9796	0.9350	0.9165	0.0650	0.9838	0.9773
28	0.9372	0.9185	0.0628	0.0001	0.9544	0.9776	0.9279	0.9035	0.0721	0.9601	0.9905
29	0.9368	0.9181	0.0632	0.0001	0.9503	0.9781	0.9304	0.9081	0.0696	0.9655	0.9841
30	0.9382	0.9204	0.0618	0.0001	0.9625	0.9782	0.9348	0.9161	0.0652	0.9851	0.9739
31	0.9403	0.9242	0.0597	0.0000	0.9650	0.9797	0.9364	0.9191	0.0636	0.9831	0.9809
32	0.9407	0.9250	0.0593	0.0000	0.9637	0.9803	0.9365	0.9192	0.0635	0.9836	0.9807
33	0.9409	0.9254	0.0591	0.0000	0.9626	0.9804	0.9365	0.9193	0.0635	0.9840	0.9805
34	0.9410	0.9257	0.0590	0.0000	0.9613	0.9805	0.9365	0.9192	0.0635	0.9841	0.9803
35	0.9412	0.9259	0.0588	0.0000	0.9604	0.9806	0.9365	0.9192	0.0635	0.9844	0.9801
36	0.9413	0.9261	0.0587	0.0000	0.9596	0.9806	0.9365	0.9193	0.0635	0.9845	0.9800
37	0.9415	0.9265	0.0585	0.0000	0.9594	0.9807	0.9365	0.9194	0.0635	0.9843	0.9802
38	0.9415	0.9266	0.0585	0.0000	0.9591	0.9807	0.9366	0.9194	0.0634	0.9843	0.9803
39	0.9415	0.9266	0.0585	0.0000	0.9590	0.9808	0.9366	0.9194	0.0634	0.9843	0.9802
40	0.9416	0.9267	0.0584	0.0000	0.9588	0.9808	0.9366	0.9194	0.0634	0.9843	0.9803
41	0.9416	0.9267	0.0584	0.0000	0.9587	0.9808	0.9366	0.9194	0.0634	0.9843	0.9803
42	0.9416	0.9267	0.0584	0.0000	0.9586	0.9808	0.9366	0.9194	0.0635	0.9843	0.9803
43	0.9416	0.9268	0.0584	0.0000	0.9586	0.9809	0.9365	0.9194	0.0635	0.9843	0.9803
44	0.9416	0.9268	0.0584	0.0000	0.9585	0.9809	0.9365	0.9194	0.0635	0.9843	0.9803
45	0.9417	0.9268	0.0583	0.0000	0.9585	0.9809	0.9366	0.9194	0.0634	0.9843	0.9803
46	0.9417	0.9269	0.0583	0.0000	0.9584	0.9809	0.9366	0.9194	0.0634	0.9843	0.9803
47	0.9417	0.9269	0.0583	0.0000	0.9584	0.9809	0.9366	0.9194	0.0634	0.9843	0.9803
48	0.9417	0.9269	0.0583	0.0000	0.9583	0.9809	0.9366	0.9194	0.0634	0.9843	0.9803
49	0.9417	0.9270	0.0583	0.0000	0.9582	0.9809	0.9366	0.9194	0.0634	0.9843	0.9803
50	0.9417	0.9270	0.0583	0.0000	0.9582	0.9809	0.9366	0.9194	0.0634	0.9843	0.9803
51	0.9418	0.9270	0.0582	0.0000	0.9581	0.9809	0.9366	0.9194	0.0634	0.9843	0.9803
52	0.9418	0.9271	0.0582	0.0000	0.9581	0.9809	0.9366	0.9194	0.0634	0.9843	0.9803
53	0.9418	0.9271	0.0582	0.0000	0.9580	0.9810	0.9366	0.9194	0.0634	0.9843	0.9803
54	0.9418	0.9271	0.0582	0.0000	0.9580	0.9810	0.9366	0.9195	0.0634	0.9843	0.9803
55	0.9418	0.9272	0.0582	0.0000	0.9579	0.9810	0.9366	0.9195	0.0634	0.9843	0.9803
56	0.9418	0.9272	0.0582	0.0000	0.9579	0.9810	0.9366	0.9195	0.0634	0.9843	0.9803
57	0.9418	0.9272	0.0582	0.0000	0.9578	0.9810	0.9366	0.9195	0.0634	0.9843	0.9803
58	0.9419	0.9272	0.0581	0.0000	0.9578	0.9810	0.9366	0.9195	0.0634	0.9843	0.9803
59	0.9419	0.9273	0.0581	0.0000	0.9577	0.9810	0.9366	0.9195	0.0634	0.9843	0.9803
60	0.9419	0.9273	0.0581	0.0000	0.9577	0.9810	0.9366	0.9195	0.0634	0.9843	0.9803
61	0.9419	0.9273	0.0581	0.0000	0.9576	0.9810	0.9366	0.9195	0.0634	0.9843	0.9803
62	0.9419	0.9274	0.0581	0.0000	0.9576	0.9811	0.9366	0.9195	0.0634	0.9843	0.9803
63	0.9419	0.9274	0.0581	0.0000	0.9575	0.9811	0.9366	0.9195	0.0634	0.9843	0.9803
64	0.9419	0.9274	0.0580	0.0000	0.9575	0.9811	0.9366	0.9195	0.0634	0.9843	0.9803
65	0.9420	0.9274	0.0580	0.0000	0.9574	0.9811	0.9366	0.9195	0.0634	0.9843	0.9803
66	0.9420	0.9275	0.0580	0.0000	0.9573	0.9811	0.9366	0.9195	0.0634	0.9844	0.9803
67	0.9420	0.9275	0.0580	0.0000	0.9573	0.9811	0.9366	0.9195	0.0634	0.9844	0.9803
68	0.9420	0.9275	0.0580	0.0000	0.9572	0.9811	0.9366	0.9195	0.0634	0.9844	0.9803

69	0.9420	0.9275	0.0580	0.0000	0.9572	0.9811	0.9366	0.9196	0.0634	0.9844	0.9803
70	0.9420	0.9276	0.0580	0.0000	0.9571	0.9811	0.9366	0.9196	0.0634	0.9844	0.9803
71	0.9420	0.9276	0.0580	0.0000	0.9571	0.9811	0.9366	0.9196	0.0634	0.9844	0.9803
72	0.9421	0.9276	0.0579	0.0000	0.9570	0.9812	0.9366	0.9196	0.0634	0.9844	0.9803
73	0.9421	0.9276	0.0579	0.0000	0.9570	0.9812	0.9366	0.9196	0.0634	0.9844	0.9803
74	0.9421	0.9277	0.0579	0.0000	0.9569	0.9812	0.9366	0.9196	0.0634	0.9844	0.9803
75	0.9421	0.9277	0.0579	0.0000	0.9569	0.9812	0.9366	0.9196	0.0634	0.9844	0.9803
76	0.9421	0.9277	0.0579	0.0000	0.9568	0.9812	0.9366	0.9196	0.0634	0.9844	0.9803
77	0.9421	0.9277	0.0579	0.0000	0.9568	0.9812	0.9367	0.9196	0.0633	0.9844	0.9803
78	0.9421	0.9278	0.0579	0.0000	0.9568	0.9812	0.9367	0.9196	0.0633	0.9844	0.9803
79	0.9422	0.9278	0.0578	0.0000	0.9567	0.9812	0.9367	0.9196	0.0633	0.9844	0.9803
80	0.9422	0.9278	0.0578	0.0000	0.9567	0.9812	0.9367	0.9196	0.0633	0.9845	0.9803
81	0.9422	0.9278	0.0578	0.0000	0.9567	0.9812	0.9367	0.9196	0.0633	0.9845	0.9803
82	0.9422	0.9279	0.0578	0.0000	0.9566	0.9813	0.9367	0.9197	0.0633	0.9845	0.9803
83	0.9422	0.9279	0.0578	0.0000	0.9566	0.9813	0.9367	0.9197	0.0633	0.9845	0.9803
84	0.9422	0.9279	0.0578	0.0000	0.9566	0.9813	0.9367	0.9197	0.0633	0.9845	0.9803
85	0.9422	0.9279	0.0578	0.0000	0.9565	0.9813	0.9367	0.9197	0.0633	0.9845	0.9802
86	0.9422	0.9280	0.0578	0.0000	0.9565	0.9813	0.9367	0.9197	0.0633	0.9845	0.9802
87	0.9423	0.9280	0.0577	0.0000	0.9564	0.9813	0.9367	0.9197	0.0633	0.9845	0.9802
88	0.9423	0.9280	0.0577	0.0000	0.9564	0.9813	0.9367	0.9197	0.0633	0.9845	0.9802
89	0.9423	0.9280	0.0577	0.0000	0.9564	0.9813	0.9367	0.9197	0.0633	0.9845	0.9802
90	0.9423	0.9281	0.0577	0.0000	0.9563	0.9813	0.9367	0.9197	0.0633	0.9846	0.9802
91	0.9423	0.9281	0.0577	0.0000	0.9563	0.9813	0.9367	0.9197	0.0633	0.9846	0.9802
92	0.9423	0.9281	0.0577	0.0000	0.9563	0.9813	0.9367	0.9197	0.0633	0.9846	0.9802
93	0.9423	0.9281	0.0577	0.0000	0.9562	0.9813	0.9367	0.9197	0.0633	0.9846	0.9802
94	0.9423	0.9282	0.0577	0.0000	0.9562	0.9813	0.9367	0.9197	0.0633	0.9846	0.9801
95	0.9423	0.9282	0.0577	0.0000	0.9561	0.9814	0.9367	0.9197	0.0633	0.9846	0.9801
96	0.9424	0.9282	0.0576	0.0000	0.9561	0.9814	0.9367	0.9197	0.0633	0.9846	0.9801
97	0.9424	0.9282	0.0576	0.0000	0.9561	0.9814	0.9367	0.9197	0.0633	0.9847	0.9801
98	0.9424	0.9282	0.0576	0.0000	0.9560	0.9814	0.9367	0.9197	0.0633	0.9847	0.9800
99	0.9424	0.9283	0.0576	0.0000	0.9560	0.9814	0.9367	0.9197	0.0633	0.9847	0.9800
100	0.9424	0.9283	0.0576	0.0000	0.9559	0.9814	0.9367	0.9197	0.0633	0.9847	0.9800
101	0.9424	0.9283	0.0576	0.0000	0.9559	0.9814	0.9367	0.9197	0.0633	0.9847	0.9800
102	0.9424	0.9283	0.0576	0.0000	0.9558	0.9814	0.9367	0.9197	0.0633	0.9847	0.9800
103	0.9424	0.9284	0.0576	0.0000	0.9558	0.9814	0.9367	0.9197	0.0633	0.9847	0.9800
104	0.9425	0.9284	0.0575	0.0000	0.9557	0.9814	0.9367	0.9197	0.0633	0.9847	0.9799
105	0.9425	0.9284	0.0575	0.0000	0.9557	0.9814	0.9367	0.9197	0.0633	0.9848	0.9799
106	0.9425	0.9284	0.0575	0.0000	0.9557	0.9814	0.9367	0.9197	0.0633	0.9848	0.9799
107	0.9425	0.9284	0.0575	0.0000	0.9556	0.9814	0.9367	0.9197	0.0633	0.9848	0.9799
108	0.9425	0.9285	0.0575	0.0000	0.9556	0.9814	0.9367	0.9197	0.0633	0.9848	0.9799
109	0.9425	0.9285	0.0575	0.0000	0.9555	0.9815	0.9367	0.9197	0.0633	0.9848	0.9799
110	0.9425	0.9285	0.0575	0.0000	0.9555	0.9815	0.9367	0.9197	0.0633	0.9848	0.9799
111	0.9425	0.9285	0.0575	0.0000	0.9554	0.9815	0.9367	0.9197	0.0633	0.9848	0.9799
112	0.9425	0.9286	0.0575	0.0000	0.9554	0.9815	0.9367	0.9197	0.0633	0.9848	0.9799
113	0.9426	0.9286	0.0574	0.0000	0.9554	0.9815	0.9367	0.9197	0.0633	0.9848	0.9799
114	0.9426	0.9286	0.0574	0.0000	0.9553	0.9815	0.9367	0.9197	0.0633	0.9848	0.9799
115	0.9426	0.9286	0.0574	0.0000	0.9553	0.9815	0.9367	0.9197	0.0633	0.9848	0.9798
116	0.9426	0.9286	0.0574	0.0000	0.9553	0.9815	0.9367	0.9197	0.0633	0.9848	0.9798
117	0.9426	0.9287	0.0574	0.0000	0.9552	0.9815	0.9367	0.9197	0.0633	0.9849	0.9798
118	0.9426	0.9287	0.0574	0.0000	0.9552	0.9815	0.9367	0.9197	0.0633	0.9849	0.9798
119	0.9426	0.9287	0.0574	0.0000	0.9552	0.9816	0.9367	0.9197	0.0633	0.9849	0.9798
120	0.9426	0.9287	0.0574	0.0000	0.9551	0.9816	0.9367	0.9197	0.0633	0.9849	0.9798
121	0.9426	0.9287	0.0574	0.0000	0.9551	0.9816	0.9367	0.9197	0.0633	0.9849	0.9798
122	0.9427	0.9288	0.0573	0.0000	0.9551	0.9816	0.9367	0.9198	0.0633	0.9849	0.9798
123	0.9427	0.9288	0.0573	0.0000	0.9551	0.9816	0.9367	0.9198	0.0633	0.9849	0.9798
124	0.9427	0.9288	0.0573	0.0000	0.9551	0.9816	0.9367	0.9198	0.0633	0.9849	0.9798
125	0.9427	0.9288	0.0573	0.0000	0.9550	0.9816	0.9367	0.9198	0.0633	0.9849	0.9798
126	0.9427	0.9289	0.0573	0.0000	0.9550	0.9816	0.9367	0.9198	0.0633	0.9849	0.9797
127	0.9427	0.9289	0.0573	0.0000	0.9550	0.9816	0.9367	0.9198	0.0633	0.9849	0.9797
128	0.9427	0.9289	0.0573	0.0000	0.9550	0.9816	0.9367	0.9198	0.0633	0.9850	0.9797
129	0.9427	0.9289	0.0573	0.0000	0.9549	0.9816	0.9367	0.9198	0.0633	0.9850	0.9797
130	0.9427	0.9289	0.0573	0.0000	0.9549	0.9816	0.9367	0.9198	0.0633	0.9850	0.9797
131	0.9428	0.9290	0.0572	0.0000	0.9549	0.9817	0.9367	0.9198	0.0633	0.9850	0.9797
132	0.9428	0.9290	0.0572	0.0000	0.9549	0.9817	0.9367	0.9198	0.0633	0.9850	0.9797
133	0.9428	0.9290	0.0572	0.0000	0.9549	0.9817	0.9367	0.9198	0.0633	0.9850	0.9797
134	0.9428	0.9290	0.0572	0.0000	0.9549	0.9817	0.9367	0.9198	0.0633	0.9850	0.9797
135	0.9428	0.9290	0.0572	0.0000	0.9549	0.9817	0.9368	0.9198	0.0632	0.9850	0.9797
136	0.9428	0.9291	0.0572	0.0000	0.9549	0.9817	0.9368	0.9198	0.0632	0.9850	0.9797
137	0.9428	0.9291	0.0572	0.0000	0.9549	0.9817	0.9368	0.9198	0.0632	0.9851	0.9796

138	0.9428	0.9291	0.0572	0.0000	0.9549	0.9817	0.9368	0.9198	0.0632	0.9851	0.9796
139	0.9428	0.9291	0.0572	0.0000	0.9549	0.9817	0.9368	0.9198	0.0632	0.9851	0.9796
140	0.9429	0.9292	0.0571	0.0000	0.9548	0.9817	0.9368	0.9198	0.0632	0.9851	0.9796
141	0.9429	0.9292	0.0571	0.0000	0.9548	0.9817	0.9368	0.9198	0.0632	0.9851	0.9796
142	0.9429	0.9292	0.0571	0.0000	0.9548	0.9817	0.9368	0.9198	0.0632	0.9851	0.9796
143	0.9429	0.9292	0.0571	0.0000	0.9548	0.9817	0.9368	0.9198	0.0632	0.9851	0.9796
144	0.9429	0.9292	0.0571	0.0000	0.9548	0.9817	0.9368	0.9198	0.0632	0.9851	0.9796
145	0.9429	0.9293	0.0571	0.0000	0.9548	0.9818	0.9368	0.9198	0.0632	0.9851	0.9796
146	0.9429	0.9293	0.0571	0.0000	0.9548	0.9818	0.9368	0.9198	0.0632	0.9851	0.9796
147	0.9429	0.9293	0.0571	0.0000	0.9548	0.9818	0.9368	0.9198	0.0632	0.9851	0.9796
148	0.9429	0.9293	0.0571	0.0000	0.9548	0.9818	0.9368	0.9199	0.0632	0.9851	0.9796
149	0.9430	0.9293	0.0570	0.0000	0.9548	0.9818	0.9368	0.9199	0.0632	0.9852	0.9795
150	0.9430	0.9294	0.0570	0.0000	0.9548	0.9818	0.9368	0.9199	0.0632	0.9852	0.9795
151	0.9430	0.9294	0.0570	0.0000	0.9548	0.9818	0.9368	0.9199	0.0632	0.9852	0.9795
152	0.9430	0.9294	0.0570	0.0000	0.9548	0.9818	0.9368	0.9199	0.0632	0.9852	0.9795
153	0.9430	0.9294	0.0570	0.0000	0.9548	0.9818	0.9368	0.9199	0.0632	0.9852	0.9795
154	0.9430	0.9294	0.0570	0.0000	0.9548	0.9818	0.9368	0.9199	0.0632	0.9852	0.9795
155	0.9430	0.9295	0.0570	0.0000	0.9548	0.9818	0.9368	0.9199	0.0632	0.9852	0.9794
156	0.9430	0.9295	0.0570	0.0000	0.9548	0.9818	0.9368	0.9199	0.0632	0.9852	0.9794
157	0.9430	0.9295	0.0570	0.0000	0.9548	0.9818	0.9368	0.9199	0.0632	0.9852	0.9794
158	0.9431	0.9295	0.0569	0.0000	0.9548	0.9818	0.9368	0.9199	0.0632	0.9852	0.9794
159	0.9431	0.9295	0.0569	0.0000	0.9548	0.9818	0.9368	0.9199	0.0632	0.9852	0.9794
160	0.9431	0.9296	0.0569	0.0000	0.9548	0.9819	0.9368	0.9199	0.0632	0.9852	0.9794
161	0.9431	0.9296	0.0569	0.0000	0.9548	0.9819	0.9368	0.9199	0.0632	0.9853	0.9794
162	0.9431	0.9296	0.0569	0.0000	0.9548	0.9819	0.9368	0.9199	0.0632	0.9852	0.9794
163	0.9431	0.9296	0.0569	0.0000	0.9548	0.9819	0.9368	0.9199	0.0632	0.9853	0.9794
164	0.9431	0.9297	0.0569	0.0000	0.9548	0.9819	0.9368	0.9199	0.0632	0.9853	0.9794
165	0.9431	0.9297	0.0569	0.0000	0.9548	0.9819	0.9368	0.9199	0.0632	0.9853	0.9794
166	0.9431	0.9297	0.0569	0.0000	0.9548	0.9819	0.9368	0.9199	0.0632	0.9853	0.9794
167	0.9431	0.9297	0.0569	0.0000	0.9548	0.9819	0.9368	0.9199	0.0632	0.9853	0.9794
168	0.9432	0.9297	0.0568	0.0000	0.9548	0.9819	0.9368	0.9199	0.0632	0.9853	0.9793
169	0.9432	0.9298	0.0568	0.0000	0.9548	0.9819	0.9368	0.9199	0.0632	0.9853	0.9793
170	0.9432	0.9298	0.0568	0.0000	0.9548	0.9819	0.9368	0.9199	0.0632	0.9853	0.9793
171	0.9432	0.9298	0.0568	0.0000	0.9548	0.9819	0.9368	0.9199	0.0632	0.9853	0.9793
172	0.9432	0.9298	0.0568	0.0000	0.9548	0.9819	0.9368	0.9199	0.0632	0.9853	0.9793
173	0.9432	0.9298	0.0568	0.0000	0.9548	0.9819	0.9368	0.9199	0.0632	0.9853	0.9793
174	0.9432	0.9299	0.0568	0.0000	0.9548	0.9820	0.9368	0.9199	0.0632	0.9853	0.9793
175	0.9432	0.9299	0.0568	0.0000	0.9548	0.9820	0.9368	0.9199	0.0632	0.9853	0.9793
176	0.9432	0.9299	0.0568	0.0000	0.9548	0.9820	0.9368	0.9199	0.0632	0.9854	0.9793
177	0.9433	0.9299	0.0567	0.0000	0.9548	0.9820	0.9368	0.9199	0.0632	0.9854	0.9793
178	0.9433	0.9299	0.0567	0.0000	0.9549	0.9820	0.9368	0.9199	0.0632	0.9854	0.9793
179	0.9433	0.9300	0.0567	0.0000	0.9549	0.9820	0.9368	0.9199	0.0632	0.9854	0.9793
180	0.9433	0.9300	0.0567	0.0000	0.9549	0.9820	0.9368	0.9199	0.0632	0.9854	0.9793
181	0.9433	0.9300	0.0567	0.0000	0.9549	0.9820	0.9368	0.9199	0.0632	0.9854	0.9793
182	0.9433	0.9300	0.0567	0.0000	0.9549	0.9820	0.9368	0.9199	0.0632	0.9854	0.9793
183	0.9433	0.9300	0.0567	0.0000	0.9549	0.9820	0.9368	0.9200	0.0632	0.9854	0.9793
184	0.9433	0.9301	0.0567	0.0000	0.9549	0.9820	0.9368	0.9200	0.0632	0.9854	0.9793
185	0.9433	0.9301	0.0567	0.0000	0.9549	0.9820	0.9368	0.9200	0.0632	0.9854	0.9793
186	0.9433	0.9301	0.0567	0.0000	0.9549	0.9820	0.9368	0.9200	0.0632	0.9854	0.9793
187	0.9434	0.9301	0.0566	0.0000	0.9549	0.9820	0.9368	0.9200	0.0632	0.9854	0.9793
188	0.9434	0.9301	0.0566	0.0000	0.9549	0.9821	0.9368	0.9200	0.0632	0.9854	0.9793
189	0.9434	0.9302	0.0566	0.0000	0.9549	0.9821	0.9368	0.9200	0.0632	0.9854	0.9792
190	0.9434	0.9302	0.0566	0.0000	0.9549	0.9821	0.9368	0.9200	0.0632	0.9854	0.9792
191	0.9434	0.9302	0.0566	0.0000	0.9549	0.9821	0.9368	0.9200	0.0632	0.9854	0.9793
192	0.9434	0.9302	0.0566	0.0000	0.9549	0.9821	0.9368	0.9200	0.0632	0.9854	0.9792
193	0.9434	0.9302	0.0566	0.0000	0.9549	0.9821	0.9369	0.9200	0.0631	0.9854	0.9792
194	0.9434	0.9303	0.0566	0.0000	0.9549	0.9821	0.9369	0.9200	0.0631	0.9854	0.9792
195	0.9434	0.9303	0.0566	0.0000	0.9549	0.9821	0.9369	0.9200	0.0631	0.9854	0.9793
196	0.9434	0.9303	0.0566	0.0000	0.9549	0.9821	0.9369	0.9200	0.0631	0.9854	0.9792
197	0.9435	0.9303	0.0565	0.0000	0.9549	0.9821	0.9369	0.9200	0.0631	0.9854	0.9792
198	0.9435	0.9303	0.0565	0.0000	0.9549	0.9821	0.9369	0.9200	0.0631	0.9854	0.9792
199	0.9435	0.9304	0.0565	0.0000	0.9549	0.9821	0.9369	0.9200	0.0631	0.9854	0.9792
200	0.9435	0.9304	0.0565	0.0000	0.9549	0.9821	0.9369	0.9200	0.0631	0.9855	0.9792
201	0.9435	0.9304	0.0565	0.0000	0.9549	0.9821	0.9369	0.9200	0.0631	0.9855	0.9792
202	0.9435	0.9304	0.0565	0.0000	0.9549	0.9821	0.9369	0.9200	0.0631	0.9855	0.9792
203	0.9435	0.9304	0.0565	0.0000	0.9549	0.9822	0.9369	0.9200	0.0631	0.9855	0.9792
204	0.9435	0.9304	0.0565	0.0000	0.9549	0.9822	0.9369	0.9200	0.0631	0.9855	0.9792
205	0.9435	0.9305	0.0565	0.0000	0.9549	0.9822	0.9369	0.9200	0.0631	0.9855	0.9792
206	0.9436	0.9305	0.0564	0.0000	0.9549	0.9822	0.9369	0.9200	0.0631	0.9855	0.9792

207	0.9436	0.9305	0.0564	0.0000	0.9549	0.9822	0.9369	0.9200	0.0631	0.9855	0.9792
208	0.9436	0.9305	0.0564	0.0000	0.9549	0.9822	0.9369	0.9200	0.0631	0.9855	0.9792
209	0.9436	0.9305	0.0564	0.0000	0.9549	0.9822	0.9369	0.9200	0.0631	0.9855	0.9792
210	0.9436	0.9306	0.0564	0.0000	0.9549	0.9822	0.9369	0.9200	0.0631	0.9855	0.9791
211	0.9436	0.9306	0.0564	0.0000	0.9549	0.9822	0.9369	0.9200	0.0631	0.9855	0.9791
212	0.9436	0.9306	0.0564	0.0000	0.9550	0.9822	0.9369	0.9200	0.0631	0.9855	0.9791
213	0.9436	0.9306	0.0564	0.0000	0.9550	0.9822	0.9369	0.9200	0.0631	0.9855	0.9791
214	0.9436	0.9306	0.0564	0.0000	0.9550	0.9822	0.9369	0.9200	0.0631	0.9855	0.9791
215	0.9436	0.9307	0.0564	0.0000	0.9550	0.9823	0.9369	0.9200	0.0631	0.9856	0.9791
216	0.9437	0.9307	0.0563	0.0000	0.9550	0.9823	0.9369	0.9200	0.0631	0.9856	0.9791
217	0.9437	0.9307	0.0563	0.0000	0.9550	0.9823	0.9369	0.9200	0.0631	0.9856	0.9791
218	0.9437	0.9307	0.0563	0.0000	0.9550	0.9823	0.9369	0.9200	0.0631	0.9856	0.9791
219	0.9437	0.9308	0.0563	0.0000	0.9550	0.9823	0.9369	0.9200	0.0631	0.9856	0.9791
220	0.9437	0.9308	0.0563	0.0000	0.9550	0.9823	0.9369	0.9200	0.0631	0.9856	0.9791
221	0.9437	0.9308	0.0563	0.0000	0.9550	0.9823	0.9369	0.9200	0.0631	0.9856	0.9791
222	0.9437	0.9308	0.0563	0.0000	0.9550	0.9823	0.9369	0.9200	0.0631	0.9856	0.9791
223	0.9437	0.9308	0.0563	0.0000	0.9551	0.9823	0.9369	0.9200	0.0631	0.9856	0.9791
224	0.9437	0.9309	0.0563	0.0000	0.9551	0.9823	0.9369	0.9201	0.0631	0.9856	0.9790
225	0.9437	0.9309	0.0563	0.0000	0.9551	0.9823	0.9369	0.9201	0.0631	0.9856	0.9790
226	0.9438	0.9309	0.0562	0.0000	0.9551	0.9823	0.9369	0.9201	0.0631	0.9856	0.9790
227	0.9438	0.9309	0.0562	0.0000	0.9551	0.9823	0.9369	0.9201	0.0631	0.9856	0.9790
228	0.9438	0.9309	0.0562	0.0000	0.9551	0.9823	0.9369	0.9201	0.0631	0.9857	0.9790
229	0.9438	0.9310	0.0562	0.0000	0.9551	0.9823	0.9369	0.9201	0.0631	0.9857	0.9790
230	0.9438	0.9310	0.0562	0.0000	0.9551	0.9824	0.9369	0.9201	0.0631	0.9857	0.9790
231	0.9438	0.9310	0.0562	0.0000	0.9551	0.9824	0.9369	0.9201	0.0631	0.9857	0.9790
232	0.9438	0.9310	0.0562	0.0000	0.9551	0.9824	0.9369	0.9201	0.0631	0.9857	0.9790
233	0.9438	0.9310	0.0562	0.0000	0.9551	0.9824	0.9369	0.9201	0.0631	0.9857	0.9789
234	0.9438	0.9311	0.0562	0.0000	0.9551	0.9824	0.9369	0.9201	0.0631	0.9857	0.9789
235	0.9439	0.9311	0.0561	0.0000	0.9551	0.9824	0.9369	0.9201	0.0631	0.9857	0.9789
236	0.9439	0.9311	0.0561	0.0000	0.9551	0.9824	0.9369	0.9200	0.0631	0.9857	0.9789
237	0.9439	0.9311	0.0561	0.0000	0.9551	0.9824	0.9369	0.9200	0.0631	0.9857	0.9789

Lampiran 7. Hasil *Testing* Model dengan Deteksi Tepi.

1. Hasil *testing* dengan *test set* 25% (221 frame citra).

NO	NAMA CITRA	AKURASI	NILAI F1	JACCARD INDEX	RECALL	PRESISI	WAKTU
1	OBanyuning1 (10)	0.9934	0.9877	0.9758	0.9949	0.9807	0.7023
2	OBanyuning1 (100)	0.9938	0.8915	0.8042	0.9852	0.8141	0.2983
3	OBanyuning1 (11)	0.9914	0.9840	0.9684	0.9986	0.9697	0.2890
4	OBanyuning1 (111)	0.9896	0.9635	0.9295	0.9941	0.9346	0.2897
5	OBanyuning1 (115)	0.9900	0.9617	0.9263	0.9872	0.9375	0.2867
6	OBanyuning1 (120)	0.9903	0.9642	0.9309	0.9911	0.9388	0.3159
7	OBanyuning1 (126)	0.9872	0.9567	0.9169	0.9997	0.9172	0.3278
8	OBanyuning1 (127)	0.9847	0.9489	0.9027	0.9905	0.9106	0.3274
9	OBanyuning1 (13)	0.9929	0.9872	0.9748	0.9987	0.9760	0.3516
10	OBanyuning1 (135)	0.9890	0.9630	0.9286	0.9801	0.9465	0.3423
11	OBanyuning1 (140)	0.9750	0.9465	0.8984	0.9969	0.9009	0.3403
12	OBanyuning1 (144)	0.9904	0.9764	0.9539	0.9990	0.9548	0.3279
13	OBanyuning1 (146)	0.9997	1.0000	1.0000	1.0000	1.0000	0.3181
14	OBanyuning1 (149)	0.9936	1.0000	1.0000	1.0000	1.0000	0.3230
15	OBanyuning1 (155)	0.9930	1.0000	1.0000	1.0000	1.0000	0.3231
16	OBanyuning1 (159)	0.9981	1.0000	1.0000	1.0000	1.0000	0.8386
17	OBanyuning1 (163)	0.9987	1.0000	1.0000	1.0000	1.0000	0.3291
18	OBanyuning1 (166)	0.9879	0.9572	0.9180	0.9980	0.9196	0.3377
19	OBanyuning1 (168)	0.9715	0.9600	0.9230	0.9546	0.9654	0.3340
20	OBanyuning1 (174)	0.9880	0.9736	0.9485	0.9895	0.9581	0.3359
21	OBanyuning1 (180)	0.9850	0.9674	0.9369	0.9601	0.9749	0.3353
22	OBanyuning1 (184)	0.9856	0.9700	0.9417	0.9801	0.9600	0.3321
23	OBanyuning1 (187)	0.9826	0.9648	0.9319	0.9855	0.9449	0.3435
24	OBanyuning1 (189)	0.9813	0.9627	0.9280	0.9817	0.9443	0.3361
25	OBanyuning1 (190)	0.9825	0.9659	0.9341	0.9776	0.9546	0.3420
26	OBanyuning1 (200)	0.9822	0.9665	0.9352	0.9786	0.9548	0.3429
27	OBanyuning1 (209)	0.9834	0.9565	0.9167	0.9997	0.9169	0.3345
28	OBanyuning1 (215)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1839
29	OBanyuning1 (224)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1838
30	OBanyuning1 (225)	0.9999	1.0000	1.0000	1.0000	1.0000	0.3329
31	OBanyuning1 (228)	0.9943	1.0000	1.0000	1.0000	1.0000	0.3251
32	OBanyuning1 (236)	0.9999	1.0000	1.0000	1.0000	1.0000	0.3236
33	OBanyuning1 (239)	0.9857	0.9657	0.9337	0.9747	0.9568	0.3321
34	OBanyuning1 (240)	0.9796	0.9503	0.9053	0.9955	0.9091	0.3443
35	OBanyuning1 (243)	0.9821	0.9406	0.8878	0.9984	0.8891	0.3397
36	OBanyuning1 (252)	0.9884	0.9535	0.9111	0.9910	0.9187	0.3332
37	OBanyuning1 (253)	0.9845	0.9375	0.8824	0.9969	0.8848	0.3376
38	OBanyuning1 (261)	0.9814	0.9367	0.8809	0.9909	0.8881	0.3389
39	OBanyuning1 (265)	0.9869	0.9521	0.9085	0.9931	0.9143	0.3318
40	OBanyuning1 (267)	0.9814	0.9316	0.8720	0.9995	0.8724	0.3441
41	OBanyuning1 (268)	0.9812	0.9328	0.8740	0.9968	0.8765	0.3362
42	OBanyuning1 (274)	0.9741	0.9472	0.8997	0.9902	0.9078	0.3363
43	OBanyuning1 (275)	0.9866	0.9732	0.9478	0.9672	0.9793	0.4630
44	OBanyuning1 (277)	0.9721	0.9427	0.8917	0.9970	0.8941	0.3376
45	OBanyuning1 (28)	0.9942	0.9894	0.9791	0.9990	0.9801	0.3436
46	OBanyuning1 (282)	0.9986	1.0000	1.0000	1.0000	1.0000	0.3512
47	OBanyuning1 (292)	0.9923	1.0000	1.0000	1.0000	1.0000	0.3263
48	OBanyuning1 (295)	0.9585	1.0000	1.0000	1.0000	1.0000	0.3243
49	OBanyuning1 (297)	0.9816	0.8987	0.8160	0.8914	0.9061	0.3311
50	OBanyuning1 (30)	0.9943	0.9892	0.9786	0.9995	0.9790	0.3331
51	OBanyuning1 (303)	0.9734	0.9496	0.9040	0.9222	0.9787	0.3366
52	OBanyuning1 (304)	0.9725	0.9451	0.8958	0.9351	0.9552	0.3488
53	OBanyuning1 (308)	0.9808	0.9634	0.9293	0.9420	0.9857	0.3607
54	OBanyuning1 (309)	0.9836	0.9690	0.9398	0.9498	0.9890	0.3362
55	OBanyuning1 (31)	0.9901	0.9812	0.9630	0.9996	0.9634	0.3389
56	OBanyuning1 (310)	0.9799	0.9620	0.9268	0.9335	0.9923	0.3383
57	OBanyuning1 (311)	0.9799	0.9622	0.9271	0.9386	0.9870	0.3377
58	OBanyuning1 (319)	0.9779	0.9587	0.9206	0.9276	0.9919	0.3489
59	OBanyuning1 (32)	0.9932	0.9869	0.9741	0.9994	0.9747	0.3501
60	OBanyuning1 (322)	0.9848	0.9721	0.9456	0.9601	0.9843	0.3494
61	OBanyuning1 (324)	0.9879	0.9749	0.9510	0.9531	0.9977	0.3449
62	OBanyuning1 (325)	0.9940	0.9852	0.9709	0.9858	0.9847	0.3380
63	OBanyuning1 (33)	0.9943	0.9890	0.9783	1.0000	0.9783	0.3577
64	OBanyuning1 (333)	0.9981	1.0000	1.0000	1.0000	1.0000	0.3319

65	OBanyuning1 (338)	0.9942	0.9625	0.9278	0.9631	0.9620	0.3380
66	OBanyuning1 (339)	0.9962	0.9830	0.9666	0.9765	0.9896	0.3305
67	OBanyuning1 (348)	0.9854	0.9802	0.9612	0.9728	0.9877	0.3432
68	OBanyuning1 (349)	0.9808	0.9781	0.9571	0.9745	0.9817	0.3376
69	OBanyuning1 (351)	0.9811	0.9741	0.9494	0.9967	0.9524	0.3381
70	OBanyuning1 (354)	0.9895	0.9834	0.9673	0.9928	0.9741	0.3576
71	OBanyuning1 (358)	0.9679	0.9442	0.8942	0.9937	0.8993	0.3427
72	OBanyuning1 (359)	0.9703	0.9450	0.8957	0.9970	0.8981	0.3541
73	OBanyuning1 (361)	0.9511	0.9075	0.8306	0.9864	0.8402	0.3431
74	OBanyuning1 (362)	0.9907	0.9823	0.9652	0.9656	0.9996	0.3385
75	OBanyuning1 (363)	0.9925	0.9850	0.9704	0.9704	1.0000	0.3416
76	OBanyuning1 (368)	0.9968	0.9930	0.9862	0.9980	0.9882	0.4917
77	OBanyuning1 (37)	0.9761	0.9719	0.9454	0.9996	0.9458	0.3372
78	OBanyuning1 (39)	0.9683	0.9634	0.9294	0.9995	0.9298	0.3464
79	OBanyuning1 (44)	0.9671	0.9541	0.9123	0.9957	0.9160	0.3426
80	OBanyuning1 (45)	0.9708	0.9631	0.9288	0.9743	0.9522	0.3399
81	OBanyuning1 (47)	0.9708	0.9647	0.9319	0.9898	0.9409	0.3435
82	OBanyuning1 (48)	0.9619	0.9504	0.9055	0.9797	0.9228	0.3789
83	OBanyuning1 (51)	0.9823	0.9661	0.9345	0.9808	0.9519	0.3495
84	OBanyuning1 (56)	0.9855	0.9715	0.9446	0.9803	0.9629	0.3402
85	OBanyuning1 (60)	0.9916	0.9841	0.9686	0.9833	0.9848	0.3425
86	OBanyuning1 (63)	0.9879	0.9773	0.9556	0.9836	0.9711	0.3417
87	OBanyuning1 (64)	0.9911	0.9832	0.9670	0.9892	0.9773	0.3401
88	OBanyuning1 (66)	0.9899	0.9806	0.9620	0.9888	0.9726	0.3385
89	OBanyuning1 (68)	0.9901	0.9810	0.9628	0.9837	0.9784	0.3508
90	OBanyuning1 (69)	0.9906	0.9812	0.9630	0.9796	0.9828	0.3411
91	OBanyuning1 (71)	0.9928	0.9827	0.9659	0.9950	0.9707	0.3462
92	OBanyuning1 (72)	0.9923	0.9830	0.9666	0.9865	0.9795	0.3344
93	OBanyuning1 (78)	0.9918	0.9776	0.9561	0.9984	0.9576	0.3342
94	OBanyuning1 (79)	0.9878	0.9140	0.8417	0.9981	0.8430	0.3297
95	OBanyuning1 (85)	1.0000	1.0000	1.0000	1.0000	1.0000	0.3226
96	OBanyuning1 (87)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1866
97	OBanyuning1 (88)	0.9905	1.0000	1.0000	1.0000	1.0000	0.3276
98	OBanyuning1 (92)	0.9982	1.0000	1.0000	1.0000	1.0000	0.3275
99	OBanyuning1 (94)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1900
100	OBanyuning1 (96)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1894
101	OBanyuning2 (102)	0.9964	1.0000	1.0000	1.0000	1.0000	0.3262
102	OBanyuning2 (107)	0.9988	1.0000	1.0000	1.0000	1.0000	0.3298
103	OBanyuning2 (109)	1.0000	1.0000	1.0000	1.0000	1.0000	0.3237
104	OBanyuning2 (118)	0.9730	0.9421	0.8905	0.9609	0.9240	0.3469
105	OBanyuning2 (120)	0.9826	0.9626	0.9279	0.9902	0.9366	0.3353
106	OBanyuning2 (125)	0.9856	0.9507	0.9061	0.9897	0.9148	0.3353
107	OBanyuning2 (126)	0.9880	0.9573	0.9182	0.9956	0.9219	0.3336
108	OBanyuning2 (128)	0.9879	0.9542	0.9124	0.9980	0.9141	0.3407
109	OBanyuning2 (138)	0.9887	0.9585	0.9203	0.9951	0.9245	0.3405
110	OBanyuning2 (15)	0.9938	0.9887	0.9776	0.9987	0.9788	0.3324
111	OBanyuning2 (151)	0.9880	0.9588	0.9209	0.9927	0.9272	0.3390
112	OBanyuning2 (153)	0.9841	0.9632	0.9290	0.9576	0.9688	0.3342
113	OBanyuning2 (155)	0.9827	0.9652	0.9327	0.9680	0.9624	0.3397
114	OBanyuning2 (165)	1.0000	1.0000	1.0000	1.0000	1.0000	0.3321
115	OBanyuning2 (171)	0.9979	1.0000	1.0000	1.0000	1.0000	0.3268
116	OBanyuning2 (175)	0.9910	1.0000	1.0000	1.0000	1.0000	0.3219
117	OBanyuning2 (177)	0.9982	1.0000	1.0000	1.0000	1.0000	0.5064
118	OBanyuning2 (18)	0.9894	0.9813	0.9632	0.9988	0.9643	0.3380
119	OBanyuning2 (184)	0.9989	1.0000	1.0000	1.0000	1.0000	0.3290
120	OBanyuning2 (186)	0.9915	0.9860	0.9725	0.9992	0.9733	0.3531
121	OBanyuning2 (190)	0.9703	0.9442	0.8942	0.9086	0.9826	0.3347
122	OBanyuning2 (191)	0.9845	0.9680	0.9380	0.9492	0.9876	0.3437
123	OBanyuning2 (192)	0.9902	0.9790	0.9588	0.9837	0.9743	0.3338
124	OBanyuning2 (193)	0.9887	0.9752	0.9516	0.9818	0.9686	0.3389
125	OBanyuning2 (194)	0.9822	0.9603	0.9236	0.9550	0.9655	0.3343
126	OBanyuning2 (197)	0.9894	0.9769	0.9548	0.9902	0.9639	0.3429
127	OBanyuning2 (21)	0.9929	0.9874	0.9751	0.9995	0.9756	0.3337
128	OBanyuning2 (212)	0.9849	0.9713	0.9442	0.9614	0.9814	0.3382
129	OBanyuning2 (217)	0.9802	0.9603	0.9236	0.9291	0.9937	0.3591
130	OBanyuning2 (218)	0.9755	0.9498	0.9045	0.9195	0.9823	0.3432
131	OBanyuning2 (223)	0.9803	0.9674	0.9369	0.9870	0.9486	0.3491
132	OBanyuning2 (230)	0.9872	0.9808	0.9623	0.9994	0.9628	0.3477
133	OBanyuning2 (231)	0.9829	0.9624	0.9275	0.9998	0.9276	0.3344

134	OBanyuning2 (232)	0.9905	0.9488	0.9026	0.9049	0.9971	0.3484
135	OBanyuning2 (238)	1.0000	1.0000	1.0000	1.0000	1.0000	0.3283
136	OBanyuning2 (243)	0.9999	1.0000	1.0000	1.0000	1.0000	0.3281
137	OBanyuning2 (247)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1964
138	OBanyuning2 (25)	0.9929	0.9877	0.9756	1.0000	0.9756	0.3315
139	OBanyuning2 (257)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1851
140	OBanyuning2 (258)	0.9998	1.0000	1.0000	1.0000	1.0000	0.3248
141	OBanyuning2 (259)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1932
142	OBanyuning2 (26)	0.9928	0.9874	0.9752	1.0000	0.9752	0.3474
143	OBanyuning2 (262)	0.9853	0.9650	0.9325	0.9624	0.9677	0.3319
144	OBanyuning2 (266)	0.9849	0.9535	0.9112	0.9893	0.9203	0.3409
145	OBanyuning2 (27)	0.9929	0.9876	0.9755	0.9983	0.9772	0.3382
146	OBanyuning2 (277)	0.9863	0.9454	0.8965	0.9987	0.8975	0.3459
147	OBanyuning2 (279)	0.9885	0.9533	0.9109	0.9878	0.9212	0.3614
148	OBanyuning2 (281)	0.9910	0.9660	0.9342	0.9844	0.9483	0.3390
149	OBanyuning2 (282)	0.9899	0.9620	0.9268	0.9919	0.9338	0.3379
150	OBanyuning2 (287)	0.9870	0.9565	0.9166	0.9927	0.9228	0.3344
151	OBanyuning2 (289)	0.9869	0.9534	0.9109	0.9931	0.9168	0.3333
152	OBanyuning2 (294)	0.9869	0.9539	0.9118	0.9985	0.9130	0.3310
153	OBanyuning2 (295)	0.9840	0.9461	0.8977	0.9946	0.9021	0.3318
154	OBanyuning2 (296)	0.9852	0.9522	0.9087	0.9938	0.9139	0.3419
155	OBanyuning2 (306)	0.9788	0.9509	0.9064	0.9980	0.9081	0.3345
156	OBanyuning2 (310)	0.9994	1.0000	1.0000	1.0000	1.0000	0.3354
157	OBanyuning2 (314)	0.9848	1.0000	1.0000	1.0000	1.0000	0.3258
158	OBanyuning2 (322)	0.9863	1.0000	1.0000	1.0000	1.0000	0.3461
159	OBanyuning2 (326)	0.9814	0.9659	0.9341	0.9764	0.9556	0.3680
160	OBanyuning2 (331)	0.9624	0.9292	0.8678	0.8862	0.9766	0.3408
161	OBanyuning2 (336)	0.9767	0.9557	0.9151	0.9231	0.9907	0.3383
162	OBanyuning2 (342)	0.9821	0.9663	0.9348	0.9419	0.9920	0.3357
163	OBanyuning2 (350)	0.9777	0.9584	0.9202	0.9332	0.9850	0.3422
164	OBanyuning2 (356)	0.9907	0.9710	0.9436	0.9552	0.9873	0.3398
165	OBanyuning2 (359)	0.9928	0.9489	0.9028	0.9280	0.9707	0.3384
166	OBanyuning2 (360)	0.9931	0.9125	0.8390	0.9385	0.8878	0.3330
167	OBanyuning2 (362)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1891
168	OBanyuning2 (364)	0.9976	1.0000	1.0000	1.0000	1.0000	0.5437
169	OBanyuning2 (366)	0.9969	0.9563	0.9162	0.9837	0.9303	0.3313
170	OBanyuning2 (367)	0.9962	0.9672	0.9365	0.9568	0.9778	0.3302
171	OBanyuning2 (37)	0.9961	0.9928	0.9857	0.9974	0.9883	0.3329
172	OBanyuning2 (371)	0.9946	0.9815	0.9638	0.9975	0.9661	0.3471
173	OBanyuning2 (377)	0.9782	0.9554	0.9147	0.9361	0.9756	0.3371
174	OBanyuning2 (38)	0.9928	0.9866	0.9736	0.9981	0.9754	0.3376
175	OBanyuning2 (380)	0.9832	0.9812	0.9631	0.9780	0.9844	0.3389
176	OBanyuning2 (393)	0.9671	0.9388	0.8846	0.9951	0.8885	0.3374
177	OBanyuning2 (395)	0.9952	0.9911	0.9823	0.9865	0.9957	0.3343
178	OBanyuning2 (399)	0.9931	0.9853	0.9710	0.9738	0.9971	0.3390
179	OBanyuning2 (40)	0.9951	0.9907	0.9816	0.9967	0.9848	0.3343
180	OBanyuning2 (402)	0.9957	0.9908	0.9819	0.9899	0.9918	0.3326
181	OBanyuning2 (403)	0.9959	0.9912	0.9825	0.9841	0.9984	0.3341
182	OBanyuning2 (404)	0.9960	0.9913	0.9827	0.9858	0.9968	0.3485
183	OBanyuning2 (414)	0.9758	0.9356	0.8790	0.9744	0.8998	0.3459
184	OBanyuning2 (416)	0.9662	0.9097	0.8344	0.9594	0.8649	0.3373
185	OBanyuning2 (420)	0.9427	0.9234	0.8577	0.9986	0.8588	0.3462
186	OBanyuning2 (429)	0.9865	0.9511	0.9068	0.9809	0.9231	0.3461
187	OBanyuning2 (436)	0.9767	0.9337	0.8756	0.9963	0.8785	0.3318
188	OBanyuning2 (438)	0.9823	0.9685	0.9390	0.9858	0.9519	0.3477
189	OBanyuning2 (439)	0.9837	0.9717	0.9450	0.9857	0.9582	0.3395
190	OBanyuning2 (44)	0.9904	0.9810	0.9628	0.9998	0.9630	0.3339
191	OBanyuning2 (441)	0.9826	0.9746	0.9504	0.9883	0.9612	0.3440
192	OBanyuning2 (449)	0.9851	0.9847	0.9698	1.0000	0.9698	0.3510
193	OBanyuning2 (451)	0.9893	0.9894	0.9790	0.9978	0.9811	0.3796
194	OBanyuning2 (452)	0.9865	0.9864	0.9732	0.9993	0.9739	0.3641
195	OBanyuning2 (456)	0.9906	0.9872	0.9746	0.9980	0.9765	0.3471
196	OBanyuning2 (457)	0.9940	0.9917	0.9835	0.9965	0.9869	0.3351
197	OBanyuning2 (460)	0.9795	0.9725	0.9465	0.9986	0.9478	0.3377
198	OBanyuning2 (468)	0.9852	0.9776	0.9562	0.9983	0.9577	0.3398
199	OBanyuning2 (473)	0.9822	0.9723	0.9461	1.0000	0.9461	0.3340
200	OBanyuning2 (478)	0.9835	0.9754	0.9519	0.9981	0.9537	0.3374
201	OBanyuning2 (481)	0.9957	0.9937	0.9874	0.9991	0.9883	0.3320
202	OBanyuning2 (484)	0.9954	0.9928	0.9857	0.9995	0.9862	0.3379

203	OBanyuning2 (49)	0.9702	0.9653	0.9330	0.9982	0.9346	0.3665
204	OBanyuning2 (492)	0.9590	0.9660	0.9343	0.9852	0.9476	0.3336
205	OBanyuning2 (494)	0.9635	0.9714	0.9444	0.9872	0.9562	0.3408
206	OBanyuning2 (495)	0.9528	0.9653	0.9329	0.9987	0.9341	0.3387
207	OBanyuning2 (54)	0.9647	0.9507	0.9061	0.9933	0.9117	0.3411
208	OBanyuning2 (60)	0.9744	0.9559	0.9155	0.9953	0.9194	0.3471
209	OBanyuning2 (63)	0.9854	0.9713	0.9442	0.9856	0.9574	0.3460
210	OBanyuning2 (67)	0.9812	0.9630	0.9286	0.9775	0.9489	0.3361
211	OBanyuning2 (68)	0.9814	0.9625	0.9278	0.9849	0.9411	0.3477
212	OBanyuning2 (70)	0.9875	0.9760	0.9532	0.9700	0.9822	0.3491
213	OBanyuning2 (73)	0.9910	0.9828	0.9663	0.9873	0.9784	0.3436
214	OBanyuning2 (78)	0.9920	0.9848	0.9700	0.9913	0.9783	0.3393
215	OBanyuning2 (84)	0.9920	0.9807	0.9621	0.9919	0.9698	0.3382
216	OBanyuning2 (86)	0.9945	0.9907	0.9816	0.9973	0.9842	0.3339
217	OBanyuning2 (87)	0.9852	0.9755	0.9522	0.9945	0.9572	0.3337
218	OBanyuning2 (9)	0.9952	0.9914	0.9830	0.9995	0.9835	0.3330
219	OBanyuning2 (93)	0.9978	0.4888	0.3235	1.0000	0.3235	0.3367
220	OBanyuning2 (96)	0.9992	1.0000	1.0000	1.0000	1.0000	0.3409
221	OBanyuning2 (97)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1870

2. Hasil *testing* dengan *test set* 20% (177 frame citra).

NO	NAMA CITRA	AKURASI	NILAI F1	JACCARD INDEX	RECALL	PRESISI	WAKTU
1	OBanyuning1 (10)	0.9927	0.9864	0.9732	0.9971	0.9760	0.8397
2	OBanyuning1 (102)	0.9721	0.9379	0.8831	0.9942	0.8877	0.2852
3	OBanyuning1 (110)	0.9819	0.9391	0.8852	0.9931	0.8907	0.2950
4	OBanyuning1 (111)	0.9882	0.9582	0.9198	0.9870	0.9311	0.2915
5	OBanyuning1 (117)	0.9843	0.9396	0.8861	0.9935	0.8913	0.2898
6	OBanyuning1 (118)	0.9812	0.9264	0.8628	0.9995	0.8632	0.3176
7	OBanyuning1 (123)	0.9847	0.9435	0.8930	0.9997	0.8932	0.3328
8	OBanyuning1 (128)	0.9804	0.9349	0.8777	0.9946	0.8819	0.3294
9	OBanyuning1 (13)	0.9966	0.9938	0.9876	0.9992	0.9884	0.3297
10	OBanyuning1 (130)	0.9815	0.9344	0.8769	0.9997	0.8771	0.3434
11	OBanyuning1 (135)	0.9907	0.9688	0.9396	0.9830	0.9551	0.3631
12	OBanyuning1 (141)	0.9812	0.9599	0.9228	0.9868	0.9344	0.3348
13	OBanyuning1 (146)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1804
14	OBanyuning1 (151)	0.9975	1.0000	1.0000	1.0000	1.0000	0.3331
15	OBanyuning1 (155)	0.9983	1.0000	1.0000	1.0000	1.0000	0.3249
16	OBanyuning1 (157)	0.9989	1.0000	1.0000	1.0000	1.0000	0.3331
17	OBanyuning1 (163)	0.9949	1.0000	1.0000	1.0000	1.0000	0.3224
18	OBanyuning1 (171)	0.9850	0.9707	0.9430	0.9903	0.9519	0.3474
19	OBanyuning1 (176)	0.9890	0.9757	0.9525	0.9940	0.9580	0.3332
20	OBanyuning1 (178)	0.9909	0.9803	0.9613	0.9879	0.9728	0.3408
21	OBanyuning1 (181)	0.9844	0.9665	0.9351	0.9863	0.9475	0.3740
22	OBanyuning1 (185)	0.9872	0.9745	0.9502	0.9885	0.9608	0.3463
23	OBanyuning1 (188)	0.9840	0.9677	0.9374	0.9956	0.9413	0.3402
24	OBanyuning1 (189)	0.9814	0.9631	0.9288	0.9887	0.9387	0.3383
25	OBanyuning1 (191)	0.9850	0.9716	0.9447	0.9983	0.9462	0.3363
26	OBanyuning1 (194)	0.9805	0.9624	0.9274	0.9675	0.9572	0.3371
27	OBanyuning1 (195)	0.9867	0.9744	0.9500	0.9860	0.9630	0.3473
28	OBanyuning1 (208)	0.9800	0.9679	0.9377	0.9999	0.9379	0.3349
29	OBanyuning1 (214)	0.9987	1.0000	1.0000	1.0000	1.0000	0.3229
30	OBanyuning1 (216)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1856
31	OBanyuning1 (22)	0.9870	0.9774	0.9558	0.9990	0.9568	0.3361
32	OBanyuning1 (223)	0.9987	0.0000	0.0000	0.0000	0.0000	0.3305
33	OBanyuning1 (24)	0.9917	0.9851	0.9706	0.9954	0.9750	0.7378
34	OBanyuning1 (242)	0.9862	0.9599	0.9228	0.9613	0.9584	0.3462
35	OBanyuning1 (243)	0.9835	0.9449	0.8956	0.9990	0.8964	0.3574
36	OBanyuning1 (244)	0.9865	0.9485	0.9020	0.9923	0.9084	0.3388
37	OBanyuning1 (249)	0.9922	0.9703	0.9422	0.9910	0.9504	0.3337
38	OBanyuning1 (252)	0.9876	0.9508	0.9061	0.9975	0.9082	0.3403
39	OBanyuning1 (268)	0.9817	0.9345	0.8771	0.9998	0.8773	0.3325
40	OBanyuning1 (27)	0.9936	0.9883	0.9770	0.9986	0.9783	0.3626
41	OBanyuning1 (271)	0.9804	0.9450	0.8957	0.9818	0.9108	0.3449
42	OBanyuning1 (28)	0.9930	0.9872	0.9747	0.9985	0.9760	0.3381
43	OBanyuning1 (280)	0.9948	0.9802	0.9612	0.9978	0.9633	0.3319
44	OBanyuning1 (284)	0.9979	1.0000	1.0000	1.0000	1.0000	0.3267
45	OBanyuning1 (285)	0.9998	1.0000	1.0000	1.0000	1.0000	0.3250
46	OBanyuning1 (292)	0.9954	1.0000	1.0000	1.0000	1.0000	0.3491
47	OBanyuning1 (294)	0.9904	1.0000	1.0000	1.0000	1.0000	0.3741

48	OBanyuning1 (295)	0.9789	1.0000	1.0000	1.0000	1.0000	0.3451
49	OBanyuning1 (306)	0.9790	0.9604	0.9237	0.9484	0.9727	0.3384
50	OBanyuning1 (315)	0.9836	0.9691	0.9401	0.9867	0.9522	0.3381
51	OBanyuning1 (316)	0.9901	0.9811	0.9629	0.9842	0.9781	0.3401
52	OBanyuning1 (317)	0.9865	0.9745	0.9502	0.9743	0.9746	0.3424
53	OBanyuning1 (318)	0.9854	0.9722	0.9459	0.9629	0.9816	0.3524
54	OBanyuning1 (325)	0.9907	0.9772	0.9554	0.9834	0.9711	0.3395
55	OBanyuning1 (326)	0.9907	0.9724	0.9463	0.9519	0.9938	0.3328
56	OBanyuning1 (341)	0.9950	0.9835	0.9676	0.9969	0.9705	0.3471
57	OBanyuning1 (342)	0.9952	0.9848	0.9701	0.9957	0.9741	0.3514
58	OBanyuning1 (345)	0.9860	0.9605	0.9241	0.9927	0.9304	0.3403
59	OBanyuning1 (348)	0.9860	0.9810	0.9627	0.9744	0.9876	0.3449
60	OBanyuning1 (359)	0.9672	0.9397	0.8862	0.9989	0.8871	0.3388
61	OBanyuning1 (365)	0.9935	0.9862	0.9728	0.9958	0.9768	0.3371
62	OBanyuning1 (377)	0.9723	0.9275	0.8648	0.9705	0.8881	0.3374
63	OBanyuning1 (381)	0.9487	0.9330	0.8744	0.9981	0.8759	0.3429
64	OBanyuning1 (383)	0.9214	0.8961	0.8118	0.9916	0.8174	0.4790
65	OBanyuning1 (51)	0.9844	0.9699	0.9416	0.9771	0.9629	0.3415
66	OBanyuning1 (58)	0.9862	0.9731	0.9476	0.9996	0.9480	0.3346
67	OBanyuning1 (6)	0.9879	0.9854	0.9712	0.9965	0.9745	0.3587
68	OBanyuning1 (63)	0.9890	0.9793	0.9595	0.9880	0.9708	0.3511
69	OBanyuning1 (65)	0.9854	0.9723	0.9461	0.9981	0.9478	0.3618
70	OBanyuning1 (84)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1861
71	OBanyuning1 (9)	0.9931	0.9877	0.9756	0.9998	0.9758	0.3371
72	OBanyuning1 (95)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1886
73	OBanyuning1 (96)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1870
74	OBanyuning2 (100)	0.9998	1.0000	1.0000	1.0000	1.0000	0.3290
75	OBanyuning2 (102)	0.9991	1.0000	1.0000	1.0000	1.0000	0.3344
76	OBanyuning2 (104)	0.9997	1.0000	1.0000	1.0000	1.0000	0.3434
77	OBanyuning2 (106)	0.9919	1.0000	1.0000	1.0000	1.0000	0.3452
78	OBanyuning2 (107)	0.9998	1.0000	1.0000	1.0000	1.0000	0.3549
79	OBanyuning2 (111)	0.9993	1.0000	1.0000	1.0000	1.0000	0.3247
80	OBanyuning2 (115)	0.9915	0.9772	0.9553	0.9961	0.9589	0.3326
81	OBanyuning2 (12)	0.9929	0.9869	0.9742	0.9998	0.9744	0.3333
82	OBanyuning2 (126)	0.9867	0.9530	0.9102	0.9955	0.9139	0.3396
83	OBanyuning2 (130)	0.9854	0.9434	0.8929	0.9987	0.8940	0.3416
84	OBanyuning2 (139)	0.9856	0.9483	0.9017	0.9829	0.9161	0.3362
85	OBanyuning2 (146)	0.9882	0.9593	0.9217	0.9950	0.9260	0.3354
86	OBanyuning2 (163)	0.9990	1.0000	1.0000	1.0000	1.0000	0.3325
87	OBanyuning2 (164)	0.9998	1.0000	1.0000	1.0000	1.0000	0.3252
88	OBanyuning2 (167)	0.9963	1.0000	1.0000	1.0000	1.0000	0.3251
89	OBanyuning2 (168)	0.9992	1.0000	1.0000	1.0000	1.0000	0.3276
90	OBanyuning2 (169)	0.9973	1.0000	1.0000	1.0000	1.0000	0.3311
91	OBanyuning2 (17)	0.9937	0.9888	0.9778	0.9988	0.9790	0.3571
92	OBanyuning2 (174)	0.9992	1.0000	1.0000	1.0000	1.0000	0.3458
93	OBanyuning2 (179)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1856
94	OBanyuning2 (181)	0.9999	1.0000	1.0000	1.0000	1.0000	0.3296
95	OBanyuning2 (182)	0.9949	1.0000	1.0000	1.0000	1.0000	0.3551
96	OBanyuning2 (183)	0.9940	1.0000	1.0000	1.0000	1.0000	0.3229
97	OBanyuning2 (190)	0.9824	0.9682	0.9383	0.9715	0.9649	0.3384
98	OBanyuning2 (195)	0.9904	0.9791	0.9591	0.9850	0.9733	0.3330
99	OBanyuning2 (197)	0.9894	0.9769	0.9549	0.9919	0.9624	0.3365
100	OBanyuning2 (198)	0.9917	0.9821	0.9648	0.9788	0.9854	0.3302
101	OBanyuning2 (202)	0.9884	0.9757	0.9526	0.9837	0.9679	0.3351
102	OBanyuning2 (206)	0.9882	0.9763	0.9537	0.9734	0.9792	0.5279
103	OBanyuning2 (208)	0.9808	0.9626	0.9279	0.9548	0.9705	0.3800
104	OBanyuning2 (211)	0.9872	0.9756	0.9524	0.9866	0.9649	0.3369
105	OBanyuning2 (213)	0.9897	0.9807	0.9622	0.9868	0.9747	0.3380
106	OBanyuning2 (222)	0.9872	0.9779	0.9568	0.9758	0.9801	0.3408
107	OBanyuning2 (226)	0.9825	0.9765	0.9541	0.9950	0.9587	0.3492
108	OBanyuning2 (240)	0.9988	1.0000	1.0000	1.0000	1.0000	0.3260
109	OBanyuning2 (246)	0.9983	1.0000	1.0000	1.0000	1.0000	0.3263
110	OBanyuning2 (252)	0.9997	1.0000	1.0000	1.0000	1.0000	0.3232
111	OBanyuning2 (254)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1847
112	OBanyuning2 (255)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1883
113	OBanyuning2 (259)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1856
114	OBanyuning2 (26)	0.9926	0.9869	0.9742	0.9990	0.9752	0.3396
115	OBanyuning2 (260)	0.9925	0.8688	0.7680	0.8863	0.8519	0.3357
116	OBanyuning2 (261)	0.9855	0.9607	0.9243	0.9890	0.9339	0.3308

117	OBanyuning2 (262)	0.9846	0.9636	0.9298	0.9700	0.9573	0.3315
118	OBanyuning2 (263)	0.9840	0.9622	0.9271	0.9883	0.9374	0.3421
119	OBanyuning2 (264)	0.9849	0.9586	0.9205	0.9840	0.9345	0.3555
120	OBanyuning2 (270)	0.9880	0.9535	0.9112	0.9940	0.9162	0.3371
121	OBanyuning2 (271)	0.9916	0.9675	0.9370	0.9959	0.9406	0.3336
122	OBanyuning2 (274)	0.9902	0.9617	0.9261	0.9895	0.9354	0.3342
123	OBanyuning2 (288)	0.9824	0.9399	0.8866	0.9960	0.8898	0.3330
124	OBanyuning2 (295)	0.9840	0.9459	0.8974	0.9945	0.9018	0.3410
125	OBanyuning2 (305)	0.9551	0.9066	0.8291	0.9989	0.8299	0.3348
126	OBanyuning2 (307)	0.9958	0.9707	0.9431	0.9902	0.9520	0.3380
127	OBanyuning2 (332)	0.9796	0.9610	0.9250	0.9788	0.9438	0.3523
128	OBanyuning2 (335)	0.9859	0.9740	0.9494	0.9572	0.9915	0.3387
129	OBanyuning2 (336)	0.9852	0.9724	0.9462	0.9596	0.9855	0.3383
130	OBanyuning2 (337)	0.9868	0.9754	0.9520	0.9717	0.9792	0.3365
131	OBanyuning2 (343)	0.9893	0.9799	0.9607	0.9775	0.9824	0.3484
132	OBanyuning2 (35)	0.9934	0.9880	0.9763	0.9985	0.9777	0.3496
133	OBanyuning2 (351)	0.9800	0.9648	0.9319	0.9525	0.9774	0.3471
134	OBanyuning2 (361)	0.9924	0.4738	0.3105	0.3654	0.6737	0.3437
135	OBanyuning2 (368)	0.9947	0.9650	0.9323	0.9500	0.9804	0.3500
136	OBanyuning2 (37)	0.9960	0.9926	0.9852	0.9974	0.9877	0.3508
137	OBanyuning2 (372)	0.9959	0.9871	0.9745	0.9825	0.9917	0.3424
138	OBanyuning2 (376)	0.9879	0.9684	0.9388	0.9632	0.9737	0.3352
139	OBanyuning2 (383)	0.9855	0.9799	0.9606	0.9797	0.9801	0.3407
140	OBanyuning2 (384)	0.9872	0.9813	0.9634	0.9763	0.9864	0.3349
141	OBanyuning2 (385)	0.9835	0.9752	0.9517	0.9947	0.9566	0.3391
142	OBanyuning2 (386)	0.9871	0.9795	0.9597	0.9928	0.9665	0.3469
143	OBanyuning2 (387)	0.9810	0.9694	0.9407	0.9982	0.9423	0.3388
144	OBanyuning2 (401)	0.9931	0.9854	0.9712	0.9723	0.9988	0.3332
145	OBanyuning2 (406)	0.9961	0.9915	0.9832	0.9847	0.9984	0.3357
146	OBanyuning2 (407)	0.9958	0.9911	0.9823	0.9906	0.9915	0.3329
147	OBanyuning2 (408)	0.9957	0.9906	0.9815	0.9896	0.9917	0.3401
148	OBanyuning2 (409)	0.9946	0.9880	0.9763	0.9942	0.9819	0.3369
149	OBanyuning2 (410)	0.9891	0.9752	0.9517	0.9564	0.9948	0.5500
150	OBanyuning2 (419)	0.9428	0.9256	0.8615	0.9971	0.8637	0.3389
151	OBanyuning2 (425)	0.9818	0.9376	0.8825	0.9770	0.9012	0.3284
152	OBanyuning2 (426)	0.9847	0.9473	0.8998	0.9796	0.9171	0.3436
153	OBanyuning2 (427)	0.9814	0.9343	0.8766	0.9778	0.8944	0.3349
154	OBanyuning2 (428)	0.9807	0.9317	0.8722	0.9557	0.9089	0.3348
155	OBanyuning2 (431)	0.9803	0.9294	0.8681	0.9770	0.8862	0.3470
156	OBanyuning2 (433)	0.9778	0.9183	0.8489	0.9842	0.8606	0.3330
157	OBanyuning2 (441)	0.9817	0.9733	0.9479	0.9848	0.9620	0.3378
158	OBanyuning2 (447)	0.9598	0.9522	0.9088	0.9969	0.9113	0.3466
159	OBanyuning2 (449)	0.9845	0.9841	0.9687	0.9999	0.9687	0.3423
160	OBanyuning2 (450)	0.9860	0.9858	0.9720	0.9997	0.9723	0.3508
161	OBanyuning2 (452)	0.9858	0.9857	0.9719	0.9996	0.9722	0.3412
162	OBanyuning2 (453)	0.9921	0.9913	0.9828	0.9928	0.9899	0.3463
163	OBanyuning2 (459)	0.9890	0.9849	0.9702	0.9991	0.9711	0.3596
164	OBanyuning2 (464)	0.9780	0.9691	0.9401	0.9990	0.9409	0.3381
165	OBanyuning2 (474)	0.9849	0.9768	0.9547	1.0000	0.9547	0.3391
166	OBanyuning2 (48)	0.9787	0.9769	0.9548	0.9954	0.9590	0.3382
167	OBanyuning2 (491)	0.9788	0.9790	0.9588	0.9975	0.9612	0.3447
168	OBanyuning2 (496)	0.8843	0.9212	0.8539	0.9887	0.8623	0.3702
169	OBanyuning2 (52)	0.9682	0.9589	0.9211	0.9776	0.9410	0.3581
170	OBanyuning2 (54)	0.9682	0.9552	0.9142	0.9872	0.9251	0.3395
171	OBanyuning2 (63)	0.9837	0.9683	0.9386	0.9924	0.9453	0.3402
172	OBanyuning2 (68)	0.9792	0.9587	0.9207	0.9954	0.9246	0.3385
173	OBanyuning2 (79)	0.9890	0.9792	0.9592	0.9939	0.9649	0.3540
174	OBanyuning2 (80)	0.9920	0.9850	0.9704	0.9930	0.9770	0.3403
175	OBanyuning2 (82)	0.9925	0.9847	0.9699	0.9964	0.9733	0.3388
176	OBanyuning2 (92)	0.9893	0.9339	0.8760	0.9904	0.8835	0.3519
177	OBanyuning2 (96)	0.9980	1.0000	1.0000	1.0000	1.0000	0.3268

3. Hasil *testing* dengan *test set* 15% (133 frame citra).

NO	NAMA CITRA	AKURASI	NILAI F1	JACCARD INDEX	RECALL	PRESISI	WAKTU
1	OBanyuning1 (10)	0.9924	0.9860	0.9723	0.9963	0.9759	0.7035
2	OBanyuning1 (110)	0.9801	0.9338	0.8758	0.9992	0.8764	0.2978
3	OBanyuning1 (111)	0.9872	0.9556	0.9149	0.9965	0.9179	0.3051
4	OBanyuning1 (117)	0.9823	0.9326	0.8737	0.9939	0.8784	0.2888
5	OBanyuning1 (118)	0.9801	0.9224	0.8560	0.9994	0.8565	0.2960

6	OBanyuning1 (123)	0.9825	0.9358	0.8793	1.0000	0.8793	0.3197
7	OBanyuning1 (128)	0.9797	0.9330	0.8745	0.9987	0.8755	0.3271
8	OBanyuning1 (13)	0.9968	0.9941	0.9883	0.9996	0.9887	0.3393
9	OBanyuning1 (135)	0.9894	0.9646	0.9315	0.9858	0.9442	0.3375
10	OBanyuning1 (141)	0.9717	0.9413	0.8892	0.9987	0.8902	0.3472
11	OBanyuning1 (146)	0.9992	1.0000	1.0000	1.0000	1.0000	0.3223
12	OBanyuning1 (151)	0.9975	1.0000	1.0000	1.0000	1.0000	0.3262
13	OBanyuning1 (155)	0.9912	1.0000	1.0000	1.0000	1.0000	0.3223
14	OBanyuning1 (157)	0.9996	1.0000	1.0000	1.0000	1.0000	0.3175
15	OBanyuning1 (163)	0.9997	1.0000	1.0000	1.0000	1.0000	0.3584
16	OBanyuning1 (171)	0.9851	0.9710	0.9436	0.9918	0.9510	0.3686
17	OBanyuning1 (178)	0.9896	0.9773	0.9557	0.9861	0.9688	0.3444
18	OBanyuning1 (181)	0.9861	0.9701	0.9419	0.9885	0.9523	0.3359
19	OBanyuning1 (189)	0.9840	0.9681	0.9381	0.9892	0.9478	0.3494
20	OBanyuning1 (191)	0.9872	0.9755	0.9522	0.9982	0.9538	0.3402
21	OBanyuning1 (194)	0.9807	0.9623	0.9273	0.9567	0.9679	0.3481
22	OBanyuning1 (195)	0.9904	0.9816	0.9638	0.9933	0.9701	0.4416
23	OBanyuning1 (208)	0.9777	0.9644	0.9313	0.9997	0.9315	0.3414
24	OBanyuning1 (214)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1870
25	OBanyuning1 (216)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1829
26	OBanyuning1 (22)	0.9868	0.9771	0.9552	1.0000	0.9552	0.3494
27	OBanyuning1 (223)	0.9997	1.0000	1.0000	1.0000	1.0000	0.3343
28	OBanyuning1 (24)	0.9906	0.9833	0.9672	0.9993	0.9678	0.3515
29	OBanyuning1 (243)	0.9828	0.9426	0.8915	0.9989	0.8924	0.3504
30	OBanyuning1 (244)	0.9860	0.9466	0.8985	0.9936	0.9037	0.3382
31	OBanyuning1 (249)	0.9919	0.9691	0.9400	0.9895	0.9494	0.3477
32	OBanyuning1 (268)	0.9797	0.9279	0.8656	0.9999	0.8657	0.3368
33	OBanyuning1 (27)	0.9927	0.9867	0.9738	0.9996	0.9741	0.3369
34	OBanyuning1 (271)	0.9810	0.9463	0.8981	0.9785	0.9162	0.3371
35	OBanyuning1 (28)	0.9920	0.9854	0.9713	0.9991	0.9721	0.3341
36	OBanyuning1 (280)	0.9934	0.9751	0.9514	0.9994	0.9520	0.3352
37	OBanyuning1 (284)	0.9981	1.0000	1.0000	1.0000	1.0000	0.3404
38	OBanyuning1 (292)	0.9981	1.0000	1.0000	1.0000	1.0000	0.3521
39	OBanyuning1 (294)	0.9944	1.0000	1.0000	1.0000	1.0000	0.3402
40	OBanyuning1 (306)	0.9794	0.9611	0.9252	0.9489	0.9737	0.3385
41	OBanyuning1 (316)	0.9898	0.9804	0.9616	0.9825	0.9784	0.3447
42	OBanyuning1 (318)	0.9864	0.9740	0.9494	0.9643	0.9839	0.3396
43	OBanyuning1 (325)	0.9913	0.9790	0.9588	0.9925	0.9657	0.3398
44	OBanyuning1 (326)	0.9916	0.9755	0.9522	0.9626	0.9887	0.3347
45	OBanyuning1 (341)	0.9941	0.9805	0.9617	0.9963	0.9652	0.3366
46	OBanyuning1 (342)	0.9952	0.9849	0.9702	0.9964	0.9737	0.3352
47	OBanyuning1 (345)	0.9877	0.9650	0.9324	0.9873	0.9438	0.3463
48	OBanyuning1 (348)	0.9828	0.9765	0.9541	0.9652	0.9881	0.3726
49	OBanyuning1 (359)	0.9675	0.9402	0.8872	0.9992	0.8878	0.3471
50	OBanyuning1 (365)	0.9920	0.9829	0.9664	0.9969	0.9692	0.4608
51	OBanyuning1 (377)	0.9766	0.9383	0.8838	0.9778	0.9020	0.3471
52	OBanyuning1 (381)	0.9353	0.9169	0.8466	0.9982	0.8479	0.3570
53	OBanyuning1 (383)	0.9089	0.8817	0.7884	0.9923	0.7932	0.3661
54	OBanyuning1 (51)	0.9856	0.9724	0.9463	0.9829	0.9622	0.3541
55	OBanyuning1 (58)	0.9878	0.9760	0.9532	0.9986	0.9545	0.3421
56	OBanyuning1 (6)	0.9880	0.9856	0.9716	0.9972	0.9742	0.3501
57	OBanyuning1 (63)	0.9901	0.9816	0.9638	0.9932	0.9703	0.3461
58	OBanyuning1 (65)	0.9870	0.9752	0.9517	0.9969	0.9545	0.3531
59	OBanyuning1 (84)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1905
60	OBanyuning1 (9)	0.9934	0.9883	0.9768	0.9999	0.9769	0.3422
61	OBanyuning1 (95)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1885
62	OBanyuning1 (96)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1965
63	OBanyuning2 (100)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1945
64	OBanyuning2 (102)	0.9993	1.0000	1.0000	1.0000	1.0000	0.3683
65	OBanyuning2 (104)	0.9991	1.0000	1.0000	1.0000	1.0000	0.3441
66	OBanyuning2 (106)	0.9962	1.0000	1.0000	1.0000	1.0000	0.3601
67	OBanyuning2 (115)	0.9908	0.9755	0.9522	0.9952	0.9566	0.3500
68	OBanyuning2 (126)	0.9850	0.9476	0.9004	0.9969	0.9029	0.3650
69	OBanyuning2 (130)	0.9827	0.9336	0.8755	0.9982	0.8769	0.3540
70	OBanyuning2 (139)	0.9851	0.9472	0.8997	0.9957	0.9032	0.3614
71	OBanyuning2 (146)	0.9841	0.9462	0.8978	0.9985	0.8990	0.3653
72	OBanyuning2 (163)	0.9994	1.0000	1.0000	1.0000	1.0000	0.3411
73	OBanyuning2 (164)	0.9999	1.0000	1.0000	1.0000	1.0000	0.3531
74	OBanyuning2 (167)	0.9947	1.0000	1.0000	1.0000	1.0000	0.3691

75	OBanyuning2 (168)	0.9984	1.0000	1.0000	1.0000	1.0000	0.3600
76	OBanyuning2 (17)	0.9936	0.9885	0.9773	0.9994	0.9779	0.3408
77	OBanyuning2 (174)	0.9999	1.0000	1.0000	1.0000	1.0000	0.3273
78	OBanyuning2 (179)	0.9994	1.0000	1.0000	1.0000	1.0000	0.3200
79	OBanyuning2 (181)	0.9996	1.0000	1.0000	1.0000	1.0000	0.3242
80	OBanyuning2 (182)	0.9997	1.0000	1.0000	1.0000	1.0000	0.3444
81	OBanyuning2 (183)	0.9979	1.0000	1.0000	1.0000	1.0000	0.3314
82	OBanyuning2 (190)	0.9869	0.9765	0.9541	0.9864	0.9669	0.3579
83	OBanyuning2 (195)	0.9894	0.9771	0.9551	0.9837	0.9705	0.3364
84	OBanyuning2 (197)	0.9894	0.9769	0.9548	0.9922	0.9621	0.3371
85	OBanyuning2 (198)	0.9907	0.9801	0.9609	0.9780	0.9821	0.5014
86	OBanyuning2 (202)	0.9851	0.9689	0.9397	0.9773	0.9606	0.3497
87	OBanyuning2 (208)	0.9773	0.9556	0.9149	0.9418	0.9697	0.3669
88	OBanyuning2 (211)	0.9874	0.9760	0.9531	0.9856	0.9666	0.3467
89	OBanyuning2 (213)	0.9862	0.9740	0.9493	0.9659	0.9822	0.3396
90	OBanyuning2 (222)	0.9869	0.9773	0.9557	0.9713	0.9834	0.3410
91	OBanyuning2 (254)	0.9995	1.0000	1.0000	1.0000	1.0000	0.3263
92	OBanyuning2 (259)	0.9998	1.0000	1.0000	1.0000	1.0000	0.3381
93	OBanyuning2 (26)	0.9905	0.9833	0.9672	1.0000	0.9672	0.3387
94	OBanyuning2 (260)	0.9947	0.9071	0.8300	0.9283	0.8868	0.3316
95	OBanyuning2 (262)	0.9809	0.9560	0.9158	0.9862	0.9277	0.3321
96	OBanyuning2 (263)	0.9765	0.9456	0.8968	0.9917	0.9035	0.3349
97	OBanyuning2 (264)	0.9838	0.9563	0.9163	0.9983	0.9177	0.3335
98	OBanyuning2 (288)	0.9818	0.9378	0.8828	0.9970	0.8852	0.3372
99	OBanyuning2 (295)	0.9838	0.9455	0.8966	0.9945	0.9011	0.3457
100	OBanyuning2 (307)	0.9938	0.9573	0.9181	0.9839	0.9321	0.3511
101	OBanyuning2 (336)	0.9801	0.9624	0.9275	0.9388	0.9871	0.3396
102	OBanyuning2 (337)	0.9867	0.9753	0.9517	0.9683	0.9823	0.3464
103	OBanyuning2 (35)	0.9922	0.9859	0.9721	0.9994	0.9727	0.3561
104	OBanyuning2 (351)	0.9780	0.9608	0.9246	0.9388	0.9839	0.3754
105	OBanyuning2 (361)	0.9913	0.3382	0.2035	0.2375	0.5873	0.3372
106	OBanyuning2 (368)	0.9956	0.9713	0.9442	0.9667	0.9760	0.3454
107	OBanyuning2 (372)	0.9960	0.9876	0.9755	0.9823	0.9930	0.3460
108	OBanyuning2 (384)	0.9912	0.9873	0.9750	0.9893	0.9853	0.3391
109	OBanyuning2 (385)	0.9834	0.9750	0.9512	0.9943	0.9564	0.3429
110	OBanyuning2 (386)	0.9876	0.9804	0.9615	0.9976	0.9637	0.3358
111	OBanyuning2 (387)	0.9780	0.9647	0.9318	0.9992	0.9325	0.3366
112	OBanyuning2 (401)	0.9939	0.9872	0.9747	0.9831	0.9913	0.3454
113	OBanyuning2 (406)	0.9954	0.9901	0.9804	0.9839	0.9965	0.3369
114	OBanyuning2 (408)	0.9953	0.9899	0.9800	0.9889	0.9909	0.3466
115	OBanyuning2 (410)	0.9874	0.9714	0.9443	0.9514	0.9922	0.3402
116	OBanyuning2 (427)	0.9825	0.9378	0.8828	0.9775	0.9012	0.3357
117	OBanyuning2 (428)	0.9820	0.9363	0.8802	0.9569	0.9166	0.3328
118	OBanyuning2 (441)	0.9821	0.9739	0.9492	0.9912	0.9573	0.3365
119	OBanyuning2 (447)	0.9560	0.9476	0.9005	0.9931	0.9061	0.3402
120	OBanyuning2 (449)	0.9833	0.9828	0.9662	1.0000	0.9662	0.3383
121	OBanyuning2 (450)	0.9872	0.9870	0.9744	0.9999	0.9745	0.3480
122	OBanyuning2 (452)	0.9857	0.9857	0.9717	0.9999	0.9718	0.3494
123	OBanyuning2 (453)	0.9939	0.9933	0.9867	0.9918	0.9948	0.3436
124	OBanyuning2 (459)	0.9895	0.9856	0.9716	0.9993	0.9722	0.3414
125	OBanyuning2 (48)	0.9827	0.9811	0.9630	0.9963	0.9664	0.3431
126	OBanyuning2 (491)	0.9798	0.9799	0.9606	0.9952	0.9650	0.3560
127	OBanyuning2 (496)	0.9136	0.9398	0.8864	0.9851	0.8985	0.3462
128	OBanyuning2 (54)	0.9689	0.9563	0.9163	0.9922	0.9230	0.5237
129	OBanyuning2 (79)	0.9896	0.9803	0.9613	0.9949	0.9661	0.3389
130	OBanyuning2 (80)	0.9910	0.9832	0.9669	0.9890	0.9774	0.3469
131	OBanyuning2 (82)	0.9933	0.9865	0.9733	0.9968	0.9764	0.3386
132	OBanyuning2 (92)	0.9879	0.9257	0.8616	0.9922	0.8675	0.3407
133	OBanyuning2 (96)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1865

4. Hasil *testing* dengan *test set* 10% (89 frame citra).

NO	NAMA CITRA	AKURASI	NILAI F1	JACCARD INDEX	RECALL	PRESISI	WAKTU
1	OBanyuning1 (10)	0.9936	0.9880	0.9763	0.9974	0.9788	0.8209
2	OBanyuning1 (110)	0.9808	0.9361	0.8799	0.9982	0.8813	0.2923
3	OBanyuning1 (117)	0.9860	0.9459	0.8974	0.9904	0.9053	0.2899
4	OBanyuning1 (118)	0.9832	0.9337	0.8756	0.9963	0.8784	0.2924
5	OBanyuning1 (13)	0.9937	0.9885	0.9773	0.9990	0.9782	0.2893
6	OBanyuning1 (151)	0.9961	1.0000	1.0000	1.0000	1.0000	0.3047
7	OBanyuning1 (163)	0.9959	1.0000	1.0000	1.0000	1.0000	0.3186

8	OBanyuning1 (171)	0.9802	0.9608	0.9246	0.9636	0.9580	0.3274
9	OBanyuning1 (178)	0.9872	0.9719	0.9453	0.9707	0.9731	0.5429
10	OBanyuning1 (181)	0.9754	0.9443	0.8945	0.9150	0.9756	0.3521
11	OBanyuning1 (189)	0.9786	0.9572	0.9178	0.9729	0.9419	0.3387
12	OBanyuning1 (191)	0.9849	0.9710	0.9437	0.9864	0.9562	0.3365
13	OBanyuning1 (194)	0.9710	0.9414	0.8892	0.9046	0.9812	0.3351
14	OBanyuning1 (195)	0.9732	0.9461	0.8977	0.9164	0.9778	0.3487
15	OBanyuning1 (208)	0.9827	0.9722	0.9459	0.9998	0.9460	0.3366
16	OBanyuning1 (216)	1.0000	1.0000	1.0000	1.0000	1.0000	0.3228
17	OBanyuning1 (243)	0.9784	0.9290	0.8674	0.9997	0.8676	0.3447
18	OBanyuning1 (244)	0.9861	0.9471	0.8995	0.9948	0.9038	0.3466
19	OBanyuning1 (249)	0.9937	0.9754	0.9521	0.9855	0.9656	0.3530
20	OBanyuning1 (27)	0.9928	0.9868	0.9740	0.9999	0.9741	0.3372
21	OBanyuning1 (271)	0.9802	0.9446	0.8950	0.9851	0.9073	0.3649
22	OBanyuning1 (280)	0.9941	0.9777	0.9563	0.9981	0.9580	0.3451
23	OBanyuning1 (284)	0.9939	1.0000	1.0000	1.0000	1.0000	0.3301
24	OBanyuning1 (292)	0.9925	1.0000	1.0000	1.0000	1.0000	0.3213
25	OBanyuning1 (316)	0.9796	0.9597	0.9225	0.9318	0.9893	0.3714
26	OBanyuning1 (318)	0.9711	0.9427	0.8917	0.8994	0.9905	0.3539
27	OBanyuning1 (326)	0.9928	0.9789	0.9587	0.9683	0.9897	0.3486
28	OBanyuning1 (342)	0.9954	0.9855	0.9715	0.9914	0.9798	0.3414
29	OBanyuning1 (345)	0.9900	0.9716	0.9448	0.9985	0.9462	0.3304
30	OBanyuning1 (348)	0.9867	0.9819	0.9645	0.9757	0.9882	0.3321
31	OBanyuning1 (377)	0.9732	0.9297	0.8686	0.9703	0.8923	0.3318
32	OBanyuning1 (381)	0.9465	0.9303	0.8697	0.9979	0.8713	0.3466
33	OBanyuning1 (383)	0.9097	0.8824	0.7895	0.9907	0.7954	0.3522
34	OBanyuning1 (51)	0.9735	0.9498	0.9044	0.9730	0.9276	0.4476
35	OBanyuning1 (6)	0.9887	0.9863	0.9730	0.9965	0.9763	0.3424
36	OBanyuning1 (63)	0.9851	0.9721	0.9457	0.9793	0.9649	0.3403
37	OBanyuning1 (65)	0.9840	0.9697	0.9411	0.9945	0.9460	0.3450
38	OBanyuning1 (84)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1823
39	OBanyuning1 (9)	0.9938	0.9890	0.9782	0.9998	0.9784	0.3360
40	OBanyuning2 (100)	0.9999	1.0000	1.0000	1.0000	1.0000	0.3332
41	OBanyuning2 (102)	0.9984	1.0000	1.0000	1.0000	1.0000	0.3301
42	OBanyuning2 (104)	0.9973	1.0000	1.0000	1.0000	1.0000	0.3254
43	OBanyuning2 (115)	0.9889	0.9706	0.9428	0.9996	0.9431	0.3490
44	OBanyuning2 (126)	0.9878	0.9568	0.9172	0.9957	0.9209	0.3344
45	OBanyuning2 (139)	0.9849	0.9466	0.8985	0.9944	0.9031	0.3361
46	OBanyuning2 (146)	0.9887	0.9612	0.9253	0.9975	0.9275	0.3418
47	OBanyuning2 (163)	1.0000	1.0000	1.0000	1.0000	1.0000	0.3216
48	OBanyuning2 (167)	0.9912	1.0000	1.0000	1.0000	1.0000	0.3366
49	OBanyuning2 (168)	0.9980	1.0000	1.0000	1.0000	1.0000	0.3294
50	OBanyuning2 (174)	0.9972	1.0000	1.0000	1.0000	1.0000	0.3234
51	OBanyuning2 (181)	0.9964	1.0000	1.0000	1.0000	1.0000	0.3199
52	OBanyuning2 (182)	0.9959	1.0000	1.0000	1.0000	1.0000	0.3225
53	OBanyuning2 (183)	0.9871	1.0000	1.0000	1.0000	1.0000	0.3215
54	OBanyuning2 (190)	0.9830	0.9692	0.9401	0.9665	0.9718	0.3394
55	OBanyuning2 (197)	0.9895	0.9770	0.9551	0.9890	0.9653	0.3344
56	OBanyuning2 (208)	0.9698	0.9400	0.8868	0.9117	0.9701	0.3373
57	OBanyuning2 (211)	0.9878	0.9769	0.9548	0.9871	0.9668	0.3375
58	OBanyuning2 (213)	0.9775	0.9564	0.9165	0.9247	0.9904	0.3400
59	OBanyuning2 (254)	0.9998	1.0000	1.0000	1.0000	1.0000	0.3441
60	OBanyuning2 (259)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1899
61	OBanyuning2 (26)	0.9916	0.9853	0.9709	1.0000	0.9710	0.3350
62	OBanyuning2 (260)	0.9935	0.8929	0.8066	0.9728	0.8252	0.3308
63	OBanyuning2 (262)	0.9837	0.9619	0.9265	0.9760	0.9482	0.3334
64	OBanyuning2 (263)	0.9783	0.9495	0.9038	0.9918	0.9107	0.3478
65	OBanyuning2 (264)	0.9833	0.9548	0.9135	0.9964	0.9165	0.5175
66	OBanyuning2 (295)	0.9827	0.9419	0.8901	0.9929	0.8958	0.3601
67	OBanyuning2 (307)	0.9941	0.9595	0.9221	0.9930	0.9281	0.3314
68	OBanyuning2 (336)	0.9798	0.9617	0.9262	0.9325	0.9928	0.3411
69	OBanyuning2 (35)	0.9925	0.9864	0.9732	0.9996	0.9737	0.3294
70	OBanyuning2 (351)	0.9767	0.9588	0.9209	0.9449	0.9731	0.3652
71	OBanyuning2 (368)	0.9947	0.9650	0.9323	0.9432	0.9877	0.3293
72	OBanyuning2 (372)	0.9950	0.9844	0.9693	0.9769	0.9920	0.3321
73	OBanyuning2 (384)	0.9819	0.9734	0.9482	0.9597	0.9875	0.3479
74	OBanyuning2 (385)	0.9817	0.9718	0.9452	0.9666	0.9771	0.3361
75	OBanyuning2 (387)	0.9749	0.9597	0.9225	0.9907	0.9306	0.3401
76	OBanyuning2 (410)	0.9904	0.9784	0.9578	0.9645	0.9928	0.3368

77	OBanyuning2 (427)	0.9868	0.9528	0.9099	0.9862	0.9216	0.3338
78	OBanyuning2 (447)	0.9515	0.9429	0.8919	0.9986	0.8930	0.3621
79	OBanyuning2 (449)	0.9854	0.9849	0.9703	0.9996	0.9706	0.3664
80	OBanyuning2 (452)	0.9878	0.9877	0.9757	0.9994	0.9763	0.3481
81	OBanyuning2 (453)	0.9945	0.9940	0.9880	0.9922	0.9957	0.3468
82	OBanyuning2 (459)	0.9898	0.9860	0.9724	0.9990	0.9734	0.3377
83	OBanyuning2 (48)	0.9753	0.9731	0.9477	0.9911	0.9558	0.3543
84	OBanyuning2 (491)	0.9773	0.9775	0.9560	0.9991	0.9569	0.3368
85	OBanyuning2 (496)	0.8569	0.9035	0.8240	0.9793	0.8386	0.3486
86	OBanyuning2 (54)	0.9645	0.9505	0.9057	0.9941	0.9105	0.3414
87	OBanyuning2 (80)	0.9884	0.9784	0.9578	0.9883	0.9688	0.3380
88	OBanyuning2 (82)	0.9900	0.9796	0.9600	0.9880	0.9714	0.3409
89	OBanyuning2 (92)	0.9900	0.9379	0.8831	0.9956	0.8866	0.3325

5. Hasil *testing* dengan *test set* 5% (45 frame citra).

NO	NAMA CITRA	AKURASI	NILAI F1	JACCARD INDEX	RECALL	PRESISI	WAKTU
1	OBanyuning1 (117)	0.9850	0.9418	0.8899	0.9854	0.9018	0.7457
2	OBanyuning1 (118)	0.9856	0.9427	0.8917	0.9983	0.8930	0.2882
3	OBanyuning1 (151)	0.9937	1.0000	1.0000	1.0000	1.0000	0.2768
4	OBanyuning1 (163)	0.9928	1.0000	1.0000	1.0000	1.0000	0.2845
5	OBanyuning1 (178)	0.9899	0.9779	0.9568	0.9822	0.9737	0.2901
6	OBanyuning1 (189)	0.9800	0.9599	0.9228	0.9756	0.9446	0.3117
7	OBanyuning1 (191)	0.9858	0.9729	0.9471	0.9953	0.9514	0.3252
8	OBanyuning1 (195)	0.9756	0.9510	0.9066	0.9261	0.9774	0.3234
9	OBanyuning1 (208)	0.9829	0.9724	0.9463	0.9998	0.9465	0.3308
10	OBanyuning1 (216)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1915
11	OBanyuning1 (243)	0.9805	0.9355	0.8789	0.9996	0.8792	0.3429
12	OBanyuning1 (27)	0.9944	0.9898	0.9799	0.9993	0.9806	0.3343
13	OBanyuning1 (271)	0.9806	0.9454	0.8965	0.9828	0.9108	0.4678
14	OBanyuning1 (292)	0.9776	1.0000	1.0000	1.0000	1.0000	0.3238
15	OBanyuning1 (326)	0.9922	0.9771	0.9552	0.9631	0.9915	0.3341
16	OBanyuning1 (342)	0.9955	0.9859	0.9721	0.9910	0.9807	0.3460
17	OBanyuning1 (348)	0.9893	0.9855	0.9714	0.9803	0.9908	0.3330
18	OBanyuning1 (377)	0.9730	0.9283	0.8663	0.9588	0.8998	0.3315
19	OBanyuning1 (381)	0.9526	0.9378	0.8828	0.9985	0.8840	0.3312
20	OBanyuning1 (51)	0.9826	0.9665	0.9351	0.9737	0.9593	0.3281
21	OBanyuning1 (63)	0.9878	0.9771	0.9552	0.9857	0.9685	0.3537
22	OBanyuning1 (9)	0.9940	0.9893	0.9788	0.9998	0.9790	0.3511
23	OBanyuning2 (100)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1855
24	OBanyuning2 (126)	0.9863	0.9517	0.9079	0.9975	0.9100	0.3348
25	OBanyuning2 (146)	0.9890	0.9620	0.9268	0.9973	0.9292	0.3346
26	OBanyuning2 (167)	0.9842	1.0000	1.0000	1.0000	1.0000	0.3231
27	OBanyuning2 (168)	0.9973	1.0000	1.0000	1.0000	1.0000	0.3200
28	OBanyuning2 (174)	1.0000	1.0000	1.0000	1.0000	1.0000	0.3277
29	OBanyuning2 (181)	0.9895	1.0000	1.0000	1.0000	1.0000	0.3192
30	OBanyuning2 (182)	0.9928	1.0000	1.0000	1.0000	1.0000	0.3178
31	OBanyuning2 (197)	0.9894	0.9770	0.9550	0.9926	0.9618	0.3465
32	OBanyuning2 (213)	0.9824	0.9662	0.9346	0.9439	0.9895	0.3551
33	OBanyuning2 (259)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1950
34	OBanyuning2 (307)	0.9919	0.9449	0.8956	0.9927	0.9015	0.3434
35	OBanyuning2 (35)	0.9936	0.9884	0.9770	0.9987	0.9782	0.3367
36	OBanyuning2 (351)	0.9754	0.9558	0.9154	0.9263	0.9873	0.3380
37	OBanyuning2 (368)	0.9934	0.9558	0.9153	0.9296	0.9835	0.3337
38	OBanyuning2 (372)	0.9954	0.9855	0.9714	0.9779	0.9932	0.4472
39	OBanyuning2 (384)	0.9810	0.9721	0.9457	0.9562	0.9885	0.3524
40	OBanyuning2 (385)	0.9838	0.9752	0.9517	0.9759	0.9746	0.3467
41	OBanyuning2 (427)	0.9872	0.9545	0.9129	0.9897	0.9217	0.3317
42	OBanyuning2 (447)	0.9565	0.9482	0.9015	0.9920	0.9081	0.3408
43	OBanyuning2 (459)	0.9888	0.9847	0.9699	0.9996	0.9703	0.3289
44	OBanyuning2 (48)	0.9749	0.9729	0.9472	0.9973	0.9496	0.3308
45	OBanyuning2 (80)	0.9894	0.9803	0.9614	0.9906	0.9702	0.3740

Lampiran 8. Hasil *Testing* Model tanpa Deteksi Tepi.

1. Hasil *testing* dengan *test set* 25% (221 frame citra).

NO	NAMA CITRA	AKURASI	NILAI F1	JACCARD INDEX	RECALL	PRESISI	WAKTU
1	OBanyuning1 (10)	0.9944	0.9894	0.9791	0.9909	0.9879	2.4454
2	OBanyuning1 (100)	0.9960	0.9263	0.8627	0.9707	0.8858	0.2822
3	OBanyuning1 (11)	0.9954	0.9915	0.9831	0.9985	0.9845	0.2892
4	OBanyuning1 (111)	0.9898	0.9629	0.9285	0.9586	0.9673	0.3007
5	OBanyuning1 (115)	0.9921	0.9688	0.9395	0.9665	0.9711	0.2891
6	OBanyuning1 (120)	0.9894	0.9593	0.9218	0.9458	0.9732	0.3322
7	OBanyuning1 (126)	0.9932	0.9761	0.9532	0.9899	0.9626	0.3291
8	OBanyuning1 (127)	0.9930	0.9759	0.9529	0.9851	0.9669	0.3391
9	OBanyuning1 (13)	0.9980	0.9964	0.9928	0.9996	0.9933	0.3561
10	OBanyuning1 (135)	0.9921	0.9729	0.9472	0.9709	0.9749	0.3466
11	OBanyuning1 (140)	0.9794	0.9553	0.9144	0.9949	0.9187	0.3471
12	OBanyuning1 (144)	0.9916	0.9793	0.9594	0.9959	0.9631	0.3361
13	OBanyuning1 (146)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1935
14	OBanyuning1 (149)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1955
15	OBanyuning1 (155)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1875
16	OBanyuning1 (159)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1905
17	OBanyuning1 (163)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1885
18	OBanyuning1 (166)	0.9907	0.9666	0.9353	0.9956	0.9392	0.3382
19	OBanyuning1 (168)	0.9891	0.9850	0.9704	0.9943	0.9758	0.3491
20	OBanyuning1 (174)	0.9907	0.9794	0.9597	0.9942	0.9651	0.3501
21	OBanyuning1 (180)	0.9928	0.9846	0.9697	0.9902	0.9791	0.4372
22	OBanyuning1 (184)	0.9894	0.9781	0.9572	0.9987	0.9583	0.3481
23	OBanyuning1 (187)	0.9883	0.9762	0.9536	0.9966	0.9567	0.3518
24	OBanyuning1 (189)	0.9885	0.9772	0.9554	0.9994	0.9559	0.3478
25	OBanyuning1 (190)	0.9910	0.9824	0.9655	0.9980	0.9673	0.3421
26	OBanyuning1 (200)	0.9883	0.9782	0.9574	0.9965	0.9606	0.3491
27	OBanyuning1 (209)	0.9844	0.9590	0.9213	0.9996	0.9217	0.3391
28	OBanyuning1 (215)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1895
29	OBanyuning1 (224)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1925
30	OBanyuning1 (225)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1905
31	OBanyuning1 (228)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1905
32	OBanyuning1 (236)	1.0000	1.0000	1.0000	1.0000	1.0000	0.2055
33	OBanyuning1 (239)	0.9852	0.9638	0.9302	0.9553	0.9725	0.3391
34	OBanyuning1 (240)	0.9866	0.9666	0.9353	0.9921	0.9423	0.3421
35	OBanyuning1 (243)	0.9898	0.9649	0.9322	0.9899	0.9411	0.3472
36	OBanyuning1 (252)	0.9926	0.9696	0.9410	0.9877	0.9522	0.3461
37	OBanyuning1 (253)	0.9926	0.9688	0.9395	0.9868	0.9514	0.3501
38	OBanyuning1 (261)	0.9897	0.9638	0.9302	0.9920	0.9372	0.3516
39	OBanyuning1 (265)	0.9910	0.9666	0.9354	0.9905	0.9438	0.3507
40	OBanyuning1 (267)	0.9884	0.9563	0.9163	0.9989	0.9173	0.3405
41	OBanyuning1 (268)	0.9880	0.9559	0.9155	0.9976	0.9175	0.3418
42	OBanyuning1 (274)	0.9799	0.9578	0.9189	0.9724	0.9435	0.3400
43	OBanyuning1 (275)	0.9806	0.9604	0.9237	0.9297	0.9931	0.3329
44	OBanyuning1 (277)	0.9893	0.9771	0.9551	0.9871	0.9672	0.3399
45	OBanyuning1 (28)	0.9977	0.9958	0.9916	0.9976	0.9940	0.3389
46	OBanyuning1 (282)	1.0000	1.0000	1.0000	1.0000	1.0000	0.2208
47	OBanyuning1 (292)	1.0000	1.0000	1.0000	1.0000	1.0000	0.3091
48	OBanyuning1 (295)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1939
49	OBanyuning1 (297)	0.9936	0.9647	0.9317	0.9481	0.9818	0.3388
50	OBanyuning1 (30)	0.9965	0.9933	0.9866	0.9970	0.9896	0.3352
51	OBanyuning1 (303)	0.9893	0.9803	0.9613	0.9805	0.9800	0.3406
52	OBanyuning1 (304)	0.9858	0.9727	0.9469	0.9975	0.9491	0.3487
53	OBanyuning1 (308)	0.9917	0.9847	0.9699	0.9988	0.9710	0.3507
54	OBanyuning1 (309)	0.9914	0.9842	0.9689	0.9947	0.9739	0.3699
55	OBanyuning1 (31)	0.9966	0.9935	0.9870	0.9996	0.9874	0.3670
56	OBanyuning1 (310)	0.9898	0.9814	0.9635	0.9867	0.9761	0.3531
57	OBanyuning1 (311)	0.9926	0.9865	0.9733	0.9965	0.9766	0.3423
58	OBanyuning1 (319)	0.9929	0.9871	0.9744	0.9858	0.9883	0.3466
59	OBanyuning1 (32)	0.9966	0.9934	0.9870	0.9965	0.9904	0.3659
60	OBanyuning1 (322)	0.9888	0.9801	0.9611	0.9964	0.9644	0.3436
61	OBanyuning1 (324)	0.9975	0.9950	0.9900	0.9974	0.9926	0.3335
62	OBanyuning1 (325)	0.9922	0.9813	0.9632	0.9995	0.9637	0.3358
63	OBanyuning1 (33)	0.9968	0.9939	0.9878	0.9935	0.9942	0.3345
64	OBanyuning1 (333)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1954

65	OBanyuning1 (338)	0.9965	0.9777	0.9564	0.9994	0.9569	0.3417
66	OBanyuning1 (339)	0.9981	0.9915	0.9832	0.9917	0.9913	0.3526
67	OBanyuning1 (348)	0.9868	0.9821	0.9649	0.9780	0.9863	0.3612
68	OBanyuning1 (349)	0.9874	0.9857	0.9718	0.9878	0.9836	0.3472
69	OBanyuning1 (351)	0.9750	0.9661	0.9343	0.9993	0.9350	0.3447
70	OBanyuning1 (354)	0.9928	0.9884	0.9771	0.9907	0.9862	0.3431
71	OBanyuning1 (358)	0.9860	0.9750	0.9512	0.9978	0.9532	0.3581
72	OBanyuning1 (359)	0.9839	0.9694	0.9406	0.9968	0.9435	0.3406
73	OBanyuning1 (361)	0.9717	0.9442	0.8943	0.9857	0.9061	0.3433
74	OBanyuning1 (362)	0.9946	0.9897	0.9796	0.9823	0.9973	0.3552
75	OBanyuning1 (363)	0.9957	0.9915	0.9832	0.9832	1.0000	0.3387
76	OBanyuning1 (368)	0.9955	0.9901	0.9804	0.9988	0.9815	0.3398
77	OBanyuning1 (37)	0.9890	0.9868	0.9740	0.9980	0.9759	0.3405
78	OBanyuning1 (39)	0.9853	0.9827	0.9659	0.9963	0.9693	0.3457
79	OBanyuning1 (44)	0.9857	0.9795	0.9599	0.9938	0.9657	0.4815
80	OBanyuning1 (45)	0.9896	0.9867	0.9737	0.9844	0.9889	0.3416
81	OBanyuning1 (47)	0.9898	0.9874	0.9752	0.9925	0.9824	0.3461
82	OBanyuning1 (48)	0.9847	0.9797	0.9602	0.9933	0.9665	0.3570
83	OBanyuning1 (51)	0.9894	0.9796	0.9601	0.9889	0.9705	0.3880
84	OBanyuning1 (56)	0.9844	0.9692	0.9402	0.9735	0.9648	0.3387
85	OBanyuning1 (60)	0.9924	0.9856	0.9716	0.9829	0.9882	0.3417
86	OBanyuning1 (63)	0.9928	0.9865	0.9734	0.9954	0.9779	0.3398
87	OBanyuning1 (64)	0.9921	0.9851	0.9707	0.9912	0.9791	0.3502
88	OBanyuning1 (66)	0.9930	0.9865	0.9734	0.9982	0.9751	0.3441
89	OBanyuning1 (68)	0.9933	0.9873	0.9748	0.9970	0.9777	0.3418
90	OBanyuning1 (69)	0.9932	0.9865	0.9734	0.9930	0.9801	0.3410
91	OBanyuning1 (71)	0.9938	0.9852	0.9708	0.9941	0.9764	0.3383
92	OBanyuning1 (72)	0.9916	0.9814	0.9634	0.9824	0.9804	0.3868
93	OBanyuning1 (78)	0.9947	0.9853	0.9711	0.9986	0.9724	0.3393
94	OBanyuning1 (79)	0.9919	0.9417	0.8898	0.9988	0.8907	0.3335
95	OBanyuning1 (85)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1940
96	OBanyuning1 (87)	1.0000	1.0000	1.0000	1.0000	1.0000	0.2054
97	OBanyuning1 (88)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1937
98	OBanyuning1 (92)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1951
99	OBanyuning1 (94)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1892
100	OBanyuning1 (96)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1909
101	OBanyuning2 (102)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1902
102	OBanyuning2 (107)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1927
103	OBanyuning2 (109)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1919
104	OBanyuning2 (118)	0.9855	0.9679	0.9378	0.9579	0.9781	0.3356
105	OBanyuning2 (120)	0.9889	0.9754	0.9520	0.9696	0.9814	0.3445
106	OBanyuning2 (125)	0.9888	0.9607	0.9243	0.9735	0.9482	0.3603
107	OBanyuning2 (126)	0.9910	0.9669	0.9359	0.9673	0.9665	0.3564
108	OBanyuning2 (128)	0.9948	0.9797	0.9603	0.9893	0.9704	0.3385
109	OBanyuning2 (138)	0.9924	0.9713	0.9441	0.9794	0.9632	0.3390
110	OBanyuning2 (15)	0.9976	0.9955	0.9911	0.9966	0.9945	0.3395
111	OBanyuning2 (151)	0.9919	0.9714	0.9443	0.9764	0.9664	0.3377
112	OBanyuning2 (153)	0.9859	0.9667	0.9356	0.9484	0.9858	0.3628
113	OBanyuning2 (155)	0.9851	0.9698	0.9414	0.9646	0.9750	0.3543
114	OBanyuning2 (165)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1870
115	OBanyuning2 (171)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1883
116	OBanyuning2 (175)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1885
117	OBanyuning2 (177)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1846
118	OBanyuning2 (18)	0.9979	0.9962	0.9925	0.9996	0.9929	0.3351
119	OBanyuning2 (184)	1.0000	1.0000	1.0000	1.0000	1.0000	0.3700
120	OBanyuning2 (186)	0.9940	0.9901	0.9803	0.9864	0.9937	0.3331
121	OBanyuning2 (190)	0.9919	0.9852	0.9708	0.9802	0.9902	0.3406
122	OBanyuning2 (191)	0.9907	0.9810	0.9627	0.9687	0.9936	0.3495
123	OBanyuning2 (192)	0.9934	0.9857	0.9718	0.9901	0.9813	0.3427
124	OBanyuning2 (193)	0.9924	0.9834	0.9674	0.9951	0.9720	0.3561
125	OBanyuning2 (194)	0.9921	0.9825	0.9657	0.9883	0.9769	0.3357
126	OBanyuning2 (197)	0.9925	0.9834	0.9674	0.9854	0.9815	0.3356
127	OBanyuning2 (21)	0.9973	0.9952	0.9905	0.9991	0.9914	0.3423
128	OBanyuning2 (212)	0.9920	0.9850	0.9704	0.9844	0.9855	0.3474
129	OBanyuning2 (217)	0.9910	0.9825	0.9655	0.9746	0.9904	0.3468
130	OBanyuning2 (218)	0.9913	0.9828	0.9661	0.9813	0.9843	0.3371
131	OBanyuning2 (223)	0.9841	0.9734	0.9482	0.9834	0.9636	0.3420
132	OBanyuning2 (230)	0.9893	0.9838	0.9682	0.9983	0.9698	0.3397
133	OBanyuning2 (231)	0.9842	0.9650	0.9325	0.9996	0.9328	0.3369

134	OBanyuning2 (232)	0.9892	0.9410	0.8885	0.8889	0.9996	0.3390
135	OBanyuning2 (238)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1900
136	OBanyuning2 (243)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1885
137	OBanyuning2 (247)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1936
138	OBanyuning2 (25)	0.9977	0.9959	0.9917	0.9960	0.9957	0.3351
139	OBanyuning2 (257)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1896
140	OBanyuning2 (258)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1871
141	OBanyuning2 (259)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1887
142	OBanyuning2 (26)	0.9969	0.9945	0.9890	0.9971	0.9918	0.3364
143	OBanyuning2 (262)	0.9832	0.9594	0.9219	0.9432	0.9761	0.3471
144	OBanyuning2 (266)	0.9910	0.9714	0.9444	0.9790	0.9639	0.3427
145	OBanyuning2 (27)	0.9984	0.9971	0.9943	0.9986	0.9957	0.3404
146	OBanyuning2 (277)	0.9930	0.9708	0.9432	0.9783	0.9634	0.3510
147	OBanyuning2 (279)	0.9910	0.9622	0.9272	0.9608	0.9637	0.3394
148	OBanyuning2 (281)	0.9910	0.9648	0.9320	0.9540	0.9759	0.3510
149	OBanyuning2 (282)	0.9914	0.9668	0.9357	0.9704	0.9632	0.3412
150	OBanyuning2 (287)	0.9927	0.9748	0.9508	0.9869	0.9630	0.3475
151	OBanyuning2 (289)	0.9917	0.9699	0.9415	0.9934	0.9474	0.3490
152	OBanyuning2 (294)	0.9927	0.9738	0.9490	0.9961	0.9525	0.3392
153	OBanyuning2 (295)	0.9918	0.9714	0.9444	0.9913	0.9523	0.3381
154	OBanyuning2 (296)	0.9907	0.9691	0.9401	0.9850	0.9538	0.3387
155	OBanyuning2 (306)	0.9858	0.9666	0.9353	0.9979	0.9372	0.3411
156	OBanyuning2 (310)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1970
157	OBanyuning2 (314)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1985
158	OBanyuning2 (322)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1939
159	OBanyuning2 (326)	0.9897	0.9810	0.9627	0.9806	0.9814	0.3493
160	OBanyuning2 (331)	0.9875	0.9777	0.9563	0.9817	0.9736	0.3369
161	OBanyuning2 (336)	0.9932	0.9876	0.9755	0.9935	0.9817	0.3441
162	OBanyuning2 (342)	0.9945	0.9899	0.9800	0.9895	0.9904	0.3343
163	OBanyuning2 (350)	0.9884	0.9792	0.9593	0.9904	0.9683	0.3642
164	OBanyuning2 (356)	0.9974	0.9922	0.9844	0.9944	0.9900	0.3550
165	OBanyuning2 (359)	0.9966	0.9761	0.9533	0.9708	0.9815	0.3368
166	OBanyuning2 (360)	0.9974	0.9669	0.9360	0.9728	0.9612	0.3328
167	OBanyuning2 (362)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1913
168	OBanyuning2 (364)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1945
169	OBanyuning2 (366)	0.9979	0.9687	0.9394	0.9737	0.9638	0.5482
170	OBanyuning2 (367)	0.9984	0.9868	0.9739	0.9924	0.9812	0.3393
171	OBanyuning2 (37)	0.9964	0.9934	0.9868	0.9902	0.9965	0.3396
172	OBanyuning2 (371)	0.9952	0.9835	0.9674	0.9989	0.9685	0.3371
173	OBanyuning2 (377)	0.9842	0.9684	0.9387	0.9669	0.9699	0.3430
174	OBanyuning2 (38)	0.9959	0.9922	0.9846	0.9938	0.9906	0.3392
175	OBanyuning2 (380)	0.9878	0.9863	0.9730	0.9861	0.9865	0.3417
176	OBanyuning2 (393)	0.9900	0.9802	0.9611	0.9770	0.9834	0.3526
177	OBanyuning2 (395)	0.9865	0.9748	0.9508	0.9657	0.9841	0.3392
178	OBanyuning2 (399)	0.9942	0.9877	0.9758	0.9852	0.9903	0.3370
179	OBanyuning2 (40)	0.9969	0.9940	0.9881	0.9926	0.9954	0.3444
180	OBanyuning2 (402)	0.9961	0.9917	0.9835	0.9894	0.9940	0.3405
181	OBanyuning2 (403)	0.9965	0.9924	0.9848	0.9894	0.9953	0.3409
182	OBanyuning2 (404)	0.9963	0.9918	0.9837	0.9913	0.9923	0.3377
183	OBanyuning2 (414)	0.9828	0.9541	0.9122	0.9924	0.9186	0.3442
184	OBanyuning2 (416)	0.9858	0.9612	0.9252	0.9902	0.9338	0.3355
185	OBanyuning2 (420)	0.9657	0.9521	0.9086	0.9857	0.9208	0.3661
186	OBanyuning2 (429)	0.9922	0.9714	0.9444	0.9871	0.9562	0.3461
187	OBanyuning2 (436)	0.9874	0.9626	0.9279	0.9813	0.9445	0.3422
188	OBanyuning2 (438)	0.9887	0.9796	0.9599	0.9774	0.9817	0.3410
189	OBanyuning2 (439)	0.9854	0.9742	0.9497	0.9685	0.9799	0.3435
190	OBanyuning2 (44)	0.9982	0.9965	0.9930	0.9989	0.9941	0.3441
191	OBanyuning2 (441)	0.9868	0.9803	0.9614	0.9757	0.9849	0.3464
192	OBanyuning2 (449)	0.9900	0.9897	0.9795	0.9979	0.9816	0.3544
193	OBanyuning2 (451)	0.9919	0.9919	0.9839	0.9910	0.9928	0.3616
194	OBanyuning2 (452)	0.9931	0.9930	0.9861	0.9982	0.9879	0.3470
195	OBanyuning2 (456)	0.9952	0.9934	0.9868	0.9946	0.9921	0.3445
196	OBanyuning2 (457)	0.9958	0.9941	0.9883	0.9899	0.9983	0.3405
197	OBanyuning2 (460)	0.9911	0.9878	0.9760	0.9985	0.9774	0.3498
198	OBanyuning2 (468)	0.9956	0.9932	0.9864	0.9945	0.9918	0.3356
199	OBanyuning2 (473)	0.9963	0.9941	0.9882	0.9988	0.9893	0.3349
200	OBanyuning2 (478)	0.9959	0.9937	0.9875	0.9943	0.9931	0.3740
201	OBanyuning2 (481)	0.9938	0.9908	0.9818	0.9860	0.9957	0.3790
202	OBanyuning2 (484)	0.9963	0.9942	0.9885	0.9964	0.9920	0.3421

203	OBanyuning2 (49)	0.9854	0.9827	0.9660	0.9952	0.9705	0.3482
204	OBanyuning2 (492)	0.9892	0.9909	0.9819	0.9929	0.9889	0.3372
205	OBanyuning2 (494)	0.9822	0.9857	0.9718	0.9790	0.9926	0.3391
206	OBanyuning2 (495)	0.9722	0.9788	0.9584	0.9749	0.9826	0.3391
207	OBanyuning2 (54)	0.9843	0.9775	0.9560	0.9933	0.9622	0.3432
208	OBanyuning2 (60)	0.9845	0.9728	0.9471	0.9985	0.9485	0.3650
209	OBanyuning2 (63)	0.9907	0.9817	0.9640	0.9942	0.9695	0.3460
210	OBanyuning2 (67)	0.9858	0.9719	0.9453	0.9826	0.9613	0.3396
211	OBanyuning2 (68)	0.9831	0.9660	0.9342	0.9876	0.9453	0.3445
212	OBanyuning2 (70)	0.9857	0.9724	0.9463	0.9577	0.9876	0.3392
213	OBanyuning2 (73)	0.9939	0.9884	0.9771	0.9915	0.9854	0.3437
214	OBanyuning2 (78)	0.9937	0.9879	0.9761	0.9957	0.9803	0.3476
215	OBanyuning2 (84)	0.9949	0.9878	0.9759	0.9970	0.9788	0.3397
216	OBanyuning2 (86)	0.9960	0.9932	0.9865	0.9955	0.9909	0.3389
217	OBanyuning2 (87)	0.9911	0.9852	0.9709	0.9952	0.9754	0.3455
218	OBanyuning2 (9)	0.9956	0.9922	0.9844	0.9926	0.9917	0.3389
219	OBanyuning2 (93)	0.9996	0.8349	0.7165	0.9964	0.7184	0.3353
220	OBanyuning2 (96)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1926
221	OBanyuning2 (97)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1899

2. Hasil *testing* dengan *test set* 20% (177 frame citra).

NO	NAMA CITRA	AKURASI	NILAI F1	JACCARD INDEX	RECALL	PRESISI	WAKTU
1	OBanyuning1 (10)	0.9948	0.9903	0.9808	0.9927	0.9879	0.7785
2	OBanyuning1 (102)	0.9820	0.9591	0.9215	0.9932	0.9273	0.3062
3	OBanyuning1 (110)	0.9893	0.9625	0.9276	0.9728	0.9524	0.3133
4	OBanyuning1 (111)	0.9879	0.9554	0.9146	0.9394	0.9720	0.2968
5	OBanyuning1 (117)	0.9926	0.9695	0.9409	0.9582	0.9811	0.2967
6	OBanyuning1 (118)	0.9895	0.9560	0.9158	0.9671	0.9453	0.3222
7	OBanyuning1 (123)	0.9912	0.9660	0.9342	0.9841	0.9486	0.3221
8	OBanyuning1 (128)	0.9917	0.9708	0.9432	0.9774	0.9643	0.3382
9	OBanyuning1 (13)	0.9984	0.9971	0.9941	0.9999	0.9943	0.3422
10	OBanyuning1 (130)	0.9928	0.9732	0.9477	0.9907	0.9562	0.3448
11	OBanyuning1 (135)	0.9918	0.9724	0.9462	0.9825	0.9624	0.3378
12	OBanyuning1 (141)	0.9791	0.9558	0.9154	0.9951	0.9195	0.3419
13	OBanyuning1 (146)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1855
14	OBanyuning1 (151)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1879
15	OBanyuning1 (155)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1978
16	OBanyuning1 (157)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1945
17	OBanyuning1 (163)	1.0000	1.0000	1.0000	1.0000	1.0000	0.2310
18	OBanyuning1 (171)	0.9898	0.9801	0.9609	0.9939	0.9665	0.5176
19	OBanyuning1 (176)	0.9904	0.9787	0.9583	0.9895	0.9681	0.3481
20	OBanyuning1 (178)	0.9921	0.9826	0.9659	0.9841	0.9812	0.3484
21	OBanyuning1 (181)	0.9877	0.9737	0.9487	0.9958	0.9525	0.3395
22	OBanyuning1 (185)	0.9906	0.9810	0.9627	0.9897	0.9725	0.3463
23	OBanyuning1 (188)	0.9869	0.9735	0.9484	0.9977	0.9505	0.3549
24	OBanyuning1 (189)	0.9877	0.9755	0.9522	0.9998	0.9524	0.3411
25	OBanyuning1 (191)	0.9903	0.9813	0.9633	0.9980	0.9652	0.3476
26	OBanyuning1 (194)	0.9929	0.9864	0.9731	0.9922	0.9806	0.3393
27	OBanyuning1 (195)	0.9935	0.9874	0.9752	0.9893	0.9856	0.3436
28	OBanyuning1 (208)	0.9845	0.9750	0.9512	0.9993	0.9518	0.3421
29	OBanyuning1 (214)	1.0000	1.0000	1.0000	1.0000	1.0000	0.2061
30	OBanyuning1 (216)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1925
31	OBanyuning1 (22)	0.9980	0.9964	0.9929	0.9997	0.9932	0.3389
32	OBanyuning1 (223)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1925
33	OBanyuning1 (24)	0.9962	0.9931	0.9863	0.9990	0.9874	0.3943
34	OBanyuning1 (242)	0.9876	0.9630	0.9286	0.9355	0.9921	0.3270
35	OBanyuning1 (243)	0.9901	0.9656	0.9335	0.9836	0.9482	0.3368
36	OBanyuning1 (244)	0.9914	0.9661	0.9344	0.9816	0.9510	0.3482
37	OBanyuning1 (249)	0.9935	0.9744	0.9501	0.9646	0.9844	0.3542
38	OBanyuning1 (252)	0.9926	0.9696	0.9411	0.9812	0.9584	0.3750
39	OBanyuning1 (268)	0.9876	0.9547	0.9134	0.9991	0.9141	0.3735
40	OBanyuning1 (27)	0.9973	0.9950	0.9901	0.9994	0.9907	0.3670
41	OBanyuning1 (271)	0.9899	0.9707	0.9430	0.9752	0.9662	0.3641
42	OBanyuning1 (28)	0.9977	0.9957	0.9914	0.9984	0.9930	0.3394
43	OBanyuning1 (280)	0.9962	0.9855	0.9714	0.9976	0.9736	0.3315
44	OBanyuning1 (284)	1.0000	1.0000	1.0000	1.0000	1.0000	0.3415
45	OBanyuning1 (285)	1.0000	0.0000	0.0000	0.0000	0.0000	0.3778
46	OBanyuning1 (292)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1812
47	OBanyuning1 (294)	0.9999	0.0000	0.0000	0.0000	0.0000	0.3156

48	OBanyuning1 (295)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1801
49	OBanyuning1 (306)	0.9895	0.9807	0.9621	0.9967	0.9652	0.3492
50	OBanyuning1 (315)	0.9911	0.9831	0.9669	0.9984	0.9683	0.3342
51	OBanyuning1 (316)	0.9911	0.9831	0.9668	0.9986	0.9681	0.3713
52	OBanyuning1 (317)	0.9926	0.9862	0.9728	0.9961	0.9765	0.3677
53	OBanyuning1 (318)	0.9899	0.9812	0.9631	0.9950	0.9678	0.3516
54	OBanyuning1 (325)	0.9917	0.9801	0.9610	0.9998	0.9612	0.3329
55	OBanyuning1 (326)	0.9965	0.9900	0.9802	0.9977	0.9824	0.3356
56	OBanyuning1 (341)	0.9961	0.9868	0.9740	0.9937	0.9800	0.3410
57	OBanyuning1 (342)	0.9962	0.9879	0.9761	0.9906	0.9853	0.3376
58	OBanyuning1 (345)	0.9846	0.9570	0.9175	0.9995	0.9179	0.3830
59	OBanyuning1 (348)	0.9875	0.9831	0.9667	0.9813	0.9848	0.3358
60	OBanyuning1 (359)	0.9804	0.9631	0.9288	0.9960	0.9322	0.4067
61	OBanyuning1 (365)	0.9944	0.9880	0.9763	0.9983	0.9779	0.3252
62	OBanyuning1 (377)	0.9850	0.9604	0.9238	0.9997	0.9240	0.3316
63	OBanyuning1 (381)	0.9713	0.9611	0.9251	0.9888	0.9349	0.3324
64	OBanyuning1 (383)	0.9556	0.9384	0.8839	0.9886	0.8930	0.3212
65	OBanyuning1 (51)	0.9883	0.9775	0.9560	0.9883	0.9669	0.3526
66	OBanyuning1 (58)	0.9915	0.9832	0.9670	0.9986	0.9683	0.3497
67	OBanyuning1 (6)	0.9909	0.9890	0.9782	0.9956	0.9824	0.3660
68	OBanyuning1 (63)	0.9913	0.9838	0.9681	0.9952	0.9726	0.3290
69	OBanyuning1 (65)	0.9906	0.9819	0.9645	0.9989	0.9655	0.3355
70	OBanyuning1 (84)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1777
71	OBanyuning1 (9)	0.9977	0.9958	0.9917	0.9983	0.9934	0.3272
72	OBanyuning1 (95)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1968
73	OBanyuning1 (96)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1994
74	OBanyuning2 (100)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1932
75	OBanyuning2 (102)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1904
76	OBanyuning2 (104)	1.0000	1.0000	1.0000	1.0000	1.0000	0.3427
77	OBanyuning2 (106)	0.9997	0.0000	0.0000	0.0000	0.0000	0.3601
78	OBanyuning2 (107)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1905
79	OBanyuning2 (111)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1795
80	OBanyuning2 (115)	0.9920	0.9786	0.9581	0.9984	0.9596	0.3531
81	OBanyuning2 (12)	0.9974	0.9952	0.9904	0.9984	0.9920	0.3450
82	OBanyuning2 (126)	0.9914	0.9679	0.9378	0.9573	0.9788	0.3480
83	OBanyuning2 (130)	0.9928	0.9706	0.9429	0.9738	0.9675	0.3675
84	OBanyuning2 (139)	0.9918	0.9693	0.9404	0.9654	0.9732	0.3755
85	OBanyuning2 (146)	0.9932	0.9755	0.9522	0.9642	0.9871	0.3444
86	OBanyuning2 (163)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1855
87	OBanyuning2 (164)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1971
88	OBanyuning2 (167)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1853
89	OBanyuning2 (168)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1795
90	OBanyuning2 (169)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1835
91	OBanyuning2 (17)	0.9984	0.9971	0.9942	0.9990	0.9952	0.3373
92	OBanyuning2 (174)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1991
93	OBanyuning2 (179)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1926
94	OBanyuning2 (181)	1.0000	1.0000	1.0000	1.0000	1.0000	0.2124
95	OBanyuning2 (182)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1873
96	OBanyuning2 (183)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1863
97	OBanyuning2 (190)	0.9923	0.9860	0.9724	0.9859	0.9862	0.3420
98	OBanyuning2 (195)	0.9905	0.9791	0.9591	0.9717	0.9866	0.3506
99	OBanyuning2 (197)	0.9930	0.9845	0.9695	0.9881	0.9810	0.3369
100	OBanyuning2 (198)	0.9924	0.9834	0.9674	0.9752	0.9918	0.3404
101	OBanyuning2 (202)	0.9908	0.9807	0.9621	0.9875	0.9740	0.3490
102	OBanyuning2 (206)	0.9906	0.9813	0.9633	0.9831	0.9795	0.3482
103	OBanyuning2 (208)	0.9824	0.9655	0.9334	0.9536	0.9778	0.3490
104	OBanyuning2 (211)	0.9881	0.9772	0.9555	0.9843	0.9703	0.3489
105	OBanyuning2 (213)	0.9924	0.9857	0.9718	0.9813	0.9902	0.3479
106	OBanyuning2 (222)	0.9880	0.9791	0.9590	0.9723	0.9860	0.3572
107	OBanyuning2 (226)	0.9867	0.9819	0.9645	0.9851	0.9788	0.3439
108	OBanyuning2 (240)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1986
109	OBanyuning2 (246)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1943
110	OBanyuning2 (252)	1.0000	1.0000	1.0000	1.0000	1.0000	0.2055
111	OBanyuning2 (254)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1908
112	OBanyuning2 (255)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1871
113	OBanyuning2 (259)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1904
114	OBanyuning2 (26)	0.9968	0.9944	0.9888	0.9976	0.9911	0.3390
115	OBanyuning2 (260)	0.9957	0.9265	0.8631	0.9704	0.8864	0.3391
116	OBanyuning2 (261)	0.9870	0.9649	0.9321	0.9944	0.9370	0.3611

117	OBanyuning2 (262)	0.9854	0.9652	0.9328	0.9628	0.9677	0.5298
118	OBanyuning2 (263)	0.9862	0.9668	0.9358	0.9763	0.9576	0.3473
119	OBanyuning2 (264)	0.9916	0.9765	0.9541	0.9858	0.9674	0.3410
120	OBanyuning2 (270)	0.9937	0.9748	0.9508	0.9754	0.9742	0.3621
121	OBanyuning2 (271)	0.9948	0.9790	0.9590	0.9749	0.9832	0.3505
122	OBanyuning2 (274)	0.9894	0.9572	0.9180	0.9550	0.9595	0.3620
123	OBanyuning2 (288)	0.9920	0.9714	0.9445	0.9879	0.9555	0.3507
124	OBanyuning2 (295)	0.9907	0.9679	0.9378	0.9900	0.9467	0.3563
125	OBanyuning2 (305)	0.9711	0.9379	0.8830	0.9990	0.8838	0.3387
126	OBanyuning2 (307)	0.9975	0.9822	0.9650	0.9904	0.9741	0.3364
127	OBanyuning2 (332)	0.9858	0.9730	0.9474	0.9961	0.9509	0.3658
128	OBanyuning2 (335)	0.9937	0.9886	0.9774	0.9929	0.9843	0.3590
129	OBanyuning2 (336)	0.9932	0.9876	0.9756	0.9967	0.9787	0.3725
130	OBanyuning2 (337)	0.9919	0.9852	0.9709	0.9971	0.9737	0.3493
131	OBanyuning2 (343)	0.9946	0.9900	0.9802	0.9922	0.9878	0.3441
132	OBanyuning2 (35)	0.9973	0.9951	0.9903	0.9988	0.9915	0.3522
133	OBanyuning2 (351)	0.9832	0.9707	0.9431	0.9671	0.9743	0.3737
134	OBanyuning2 (361)	0.9974	0.8561	0.7483	0.8222	0.8929	0.3444
135	OBanyuning2 (368)	0.9985	0.9902	0.9805	0.9929	0.9874	0.3261
136	OBanyuning2 (37)	0.9975	0.9955	0.9910	0.9952	0.9957	0.3590
137	OBanyuning2 (372)	0.9952	0.9847	0.9699	0.9734	0.9963	0.3228
138	OBanyuning2 (376)	0.9894	0.9729	0.9473	0.9921	0.9544	0.3189
139	OBanyuning2 (383)	0.9859	0.9805	0.9618	0.9862	0.9749	0.3130
140	OBanyuning2 (384)	0.9870	0.9812	0.9631	0.9855	0.9770	0.3260
141	OBanyuning2 (385)	0.9861	0.9788	0.9584	0.9844	0.9732	0.3365
142	OBanyuning2 (386)	0.9926	0.9880	0.9763	0.9849	0.9911	0.3325
143	OBanyuning2 (387)	0.9919	0.9867	0.9737	0.9924	0.9810	0.3544
144	OBanyuning2 (401)	0.9951	0.9898	0.9797	0.9819	0.9977	0.3268
145	OBanyuning2 (406)	0.9964	0.9923	0.9848	0.9896	0.9950	0.3597
146	OBanyuning2 (407)	0.9966	0.9928	0.9857	0.9942	0.9914	0.3605
147	OBanyuning2 (408)	0.9963	0.9920	0.9841	0.9980	0.9861	0.3495
148	OBanyuning2 (409)	0.9928	0.9843	0.9691	0.9995	0.9696	0.3375
149	OBanyuning2 (410)	0.9959	0.9908	0.9818	0.9923	0.9893	0.3386
150	OBanyuning2 (419)	0.9734	0.9638	0.9301	0.9914	0.9377	0.3405
151	OBanyuning2 (425)	0.9920	0.9717	0.9450	0.9818	0.9618	0.3471
152	OBanyuning2 (426)	0.9928	0.9741	0.9495	0.9724	0.9758	0.3424
153	OBanyuning2 (427)	0.9936	0.9763	0.9537	0.9799	0.9727	0.3715
154	OBanyuning2 (428)	0.9900	0.9632	0.9290	0.9464	0.9806	0.3215
155	OBanyuning2 (431)	0.9917	0.9684	0.9387	0.9638	0.9731	0.3580
156	OBanyuning2 (433)	0.9912	0.9659	0.9341	0.9842	0.9483	0.3152
157	OBanyuning2 (441)	0.9897	0.9848	0.9700	0.9821	0.9875	0.3214
158	OBanyuning2 (447)	0.9664	0.9596	0.9223	0.9952	0.9264	0.3610
159	OBanyuning2 (449)	0.9891	0.9887	0.9777	0.9993	0.9784	0.3632
160	OBanyuning2 (450)	0.9908	0.9906	0.9815	0.9965	0.9849	0.3591
161	OBanyuning2 (452)	0.9906	0.9905	0.9812	0.9988	0.9824	0.3800
162	OBanyuning2 (453)	0.9940	0.9934	0.9868	0.9889	0.9978	0.3532
163	OBanyuning2 (459)	0.9918	0.9888	0.9778	0.9985	0.9792	0.3447
164	OBanyuning2 (464)	0.9948	0.9925	0.9852	0.9970	0.9881	0.3500
165	OBanyuning2 (474)	0.9970	0.9953	0.9907	0.9950	0.9957	0.3559
166	OBanyuning2 (48)	0.9914	0.9906	0.9813	0.9978	0.9834	0.3565
167	OBanyuning2 (491)	0.9897	0.9896	0.9795	0.9969	0.9825	0.6098
168	OBanyuning2 (496)	0.9484	0.9633	0.9293	0.9904	0.9377	0.3494
169	OBanyuning2 (52)	0.9805	0.9748	0.9509	0.9941	0.9563	0.3399
170	OBanyuning2 (54)	0.9824	0.9749	0.9511	0.9944	0.9562	0.3937
171	OBanyuning2 (63)	0.9899	0.9802	0.9611	0.9944	0.9663	0.3266
172	OBanyuning2 (68)	0.9840	0.9678	0.9377	0.9930	0.9440	0.3569
173	OBanyuning2 (79)	0.9931	0.9868	0.9740	0.9969	0.9769	0.3393
174	OBanyuning2 (80)	0.9931	0.9870	0.9744	0.9898	0.9843	0.3542
175	OBanyuning2 (82)	0.9935	0.9869	0.9741	0.9982	0.9758	0.3700
176	OBanyuning2 (92)	0.9941	0.9628	0.9283	0.9934	0.9340	0.3311
177	OBanyuning2 (96)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1982

3. Hasil *testing* dengan *test set* 15% (133 frame citra).

NO	NAMA CITRA	AKURASI	NILAI F1	JACCARD INDEX	RECALL	PRESISI	WAKTU
1	OBanyuning1 (10)	0.9951	0.9907	0.9817	0.9936	0.9880	0.7807
2	OBanyuning1 (110)	0.9879	0.9585	0.9203	0.9932	0.9261	0.3012
3	OBanyuning1 (111)	0.9903	0.9649	0.9322	0.9698	0.9601	0.3025
4	OBanyuning1 (117)	0.9925	0.9698	0.9413	0.9763	0.9633	0.2935
5	OBanyuning1 (118)	0.9906	0.9613	0.9255	0.9818	0.9417	0.2962

6	OBanyuning1 (123)	0.9901	0.9622	0.9272	0.9925	0.9337	0.3243
7	OBanyuning1 (128)	0.9898	0.9648	0.9321	0.9882	0.9425	0.3285
8	OBanyuning1 (13)	0.9981	0.9965	0.9930	0.9999	0.9932	0.3481
9	OBanyuning1 (135)	0.9917	0.9720	0.9455	0.9860	0.9583	0.3598
10	OBanyuning1 (141)	0.9803	0.9582	0.9198	0.9929	0.9258	0.3462
11	OBanyuning1 (146)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1889
12	OBanyuning1 (151)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1915
13	OBanyuning1 (155)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1905
14	OBanyuning1 (157)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1899
15	OBanyuning1 (163)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1882
16	OBanyuning1 (171)	0.9907	0.9817	0.9640	0.9935	0.9702	0.3586
17	OBanyuning1 (178)	0.9921	0.9825	0.9656	0.9786	0.9865	0.3602
18	OBanyuning1 (181)	0.9891	0.9764	0.9540	0.9949	0.9587	0.3479
19	OBanyuning1 (189)	0.9896	0.9792	0.9592	0.9997	0.9596	0.3497
20	OBanyuning1 (191)	0.9910	0.9827	0.9660	0.9984	0.9675	0.3397
21	OBanyuning1 (194)	0.9931	0.9867	0.9738	0.9906	0.9829	0.3551
22	OBanyuning1 (195)	0.9937	0.9878	0.9759	0.9885	0.9871	0.3432
23	OBanyuning1 (208)	0.9859	0.9771	0.9552	0.9990	0.9561	0.3381
24	OBanyuning1 (214)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1870
25	OBanyuning1 (216)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1939
26	OBanyuning1 (22)	0.9985	0.9973	0.9946	0.9997	0.9949	0.3551
27	OBanyuning1 (223)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1934
28	OBanyuning1 (24)	0.9966	0.9939	0.9878	0.9992	0.9886	0.3446
29	OBanyuning1 (243)	0.9892	0.9629	0.9284	0.9927	0.9348	0.3465
30	OBanyuning1 (244)	0.9905	0.9630	0.9287	0.9907	0.9369	0.3404
31	OBanyuning1 (249)	0.9939	0.9761	0.9533	0.9744	0.9778	0.3492
32	OBanyuning1 (268)	0.9889	0.9591	0.9214	0.9965	0.9244	0.3549
33	OBanyuning1 (27)	0.9975	0.9954	0.9908	0.9991	0.9917	0.3532
34	OBanyuning1 (271)	0.9899	0.9706	0.9428	0.9726	0.9685	0.3386
35	OBanyuning1 (28)	0.9980	0.9962	0.9925	0.9981	0.9944	0.3401
36	OBanyuning1 (280)	0.9949	0.9809	0.9625	0.9992	0.9632	0.3348
37	OBanyuning1 (284)	1.0000	1.0000	1.0000	1.0000	1.0000	0.6955
38	OBanyuning1 (292)	1.0000	1.0000	1.0000	1.0000	1.0000	0.2075
39	OBanyuning1 (294)	1.0000	1.0000	1.0000	1.0000	1.0000	0.2024
40	OBanyuning1 (306)	0.9910	0.9835	0.9676	0.9975	0.9700	0.3423
41	OBanyuning1 (316)	0.9921	0.9850	0.9705	0.9983	0.9721	0.3489
42	OBanyuning1 (318)	0.9912	0.9835	0.9675	0.9937	0.9734	0.3468
43	OBanyuning1 (325)	0.9926	0.9823	0.9651	0.9997	0.9654	0.3620
44	OBanyuning1 (326)	0.9967	0.9906	0.9814	0.9959	0.9854	0.3453
45	OBanyuning1 (341)	0.9955	0.9850	0.9704	0.9935	0.9765	0.3441
46	OBanyuning1 (342)	0.9964	0.9886	0.9774	0.9915	0.9856	0.3432
47	OBanyuning1 (345)	0.9855	0.9594	0.9220	0.9989	0.9230	0.3588
48	OBanyuning1 (348)	0.9867	0.9820	0.9646	0.9783	0.9857	0.3747
49	OBanyuning1 (359)	0.9816	0.9653	0.9329	0.9958	0.9365	0.3457
50	OBanyuning1 (365)	0.9944	0.9880	0.9763	0.9973	0.9789	0.3445
51	OBanyuning1 (377)	0.9881	0.9684	0.9388	0.9983	0.9403	0.3491
52	OBanyuning1 (381)	0.9710	0.9604	0.9239	0.9844	0.9377	0.3544
53	OBanyuning1 (383)	0.9593	0.9431	0.8923	0.9869	0.9031	0.3739
54	OBanyuning1 (51)	0.9891	0.9791	0.9590	0.9856	0.9726	0.3700
55	OBanyuning1 (58)	0.9933	0.9868	0.9739	0.9973	0.9764	0.3498
56	OBanyuning1 (6)	0.9923	0.9906	0.9815	0.9946	0.9868	0.3470
57	OBanyuning1 (63)	0.9921	0.9851	0.9707	0.9922	0.9781	0.3424
58	OBanyuning1 (65)	0.9921	0.9848	0.9701	0.9971	0.9728	0.3613
59	OBanyuning1 (84)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1925
60	OBanyuning1 (9)	0.9979	0.9962	0.9924	0.9981	0.9943	0.3466
61	OBanyuning1 (95)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1848
62	OBanyuning1 (96)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1845
63	OBanyuning2 (100)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1852
64	OBanyuning2 (102)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1870
65	OBanyuning2 (104)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1876
66	OBanyuning2 (106)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1928
67	OBanyuning2 (115)	0.9914	0.9769	0.9549	0.9989	0.9560	0.3530
68	OBanyuning2 (126)	0.9900	0.9636	0.9297	0.9739	0.9535	0.4812
69	OBanyuning2 (130)	0.9908	0.9634	0.9294	0.9942	0.9345	0.3402
70	OBanyuning2 (139)	0.9926	0.9728	0.9471	0.9825	0.9633	0.3386
71	OBanyuning2 (146)	0.9951	0.9827	0.9659	0.9847	0.9806	0.3371
72	OBanyuning2 (163)	1.0000	1.0000	1.0000	1.0000	1.0000	0.2104
73	OBanyuning2 (164)	1.0000	1.0000	1.0000	1.0000	1.0000	0.2133
74	OBanyuning2 (167)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1916

75	OBanyuning2 (168)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1947
76	OBanyuning2 (17)	0.9984	0.9970	0.9941	0.9987	0.9953	0.3432
77	OBanyuning2 (174)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1911
78	OBanyuning2 (179)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1834
79	OBanyuning2 (181)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1877
80	OBanyuning2 (182)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1850
81	OBanyuning2 (183)	1.0000	1.0000	1.0000	1.0000	1.0000	0.2004
82	OBanyuning2 (190)	0.9927	0.9868	0.9740	0.9865	0.9872	0.3350
83	OBanyuning2 (195)	0.9902	0.9785	0.9579	0.9678	0.9894	0.3313
84	OBanyuning2 (197)	0.9929	0.9842	0.9688	0.9836	0.9847	0.3327
85	OBanyuning2 (198)	0.9910	0.9805	0.9617	0.9675	0.9938	0.3306
86	OBanyuning2 (202)	0.9900	0.9791	0.9591	0.9849	0.9733	0.3523
87	OBanyuning2 (208)	0.9823	0.9655	0.9333	0.9530	0.9783	0.3372
88	OBanyuning2 (211)	0.9882	0.9774	0.9558	0.9841	0.9708	0.3370
89	OBanyuning2 (213)	0.9926	0.9861	0.9727	0.9810	0.9914	0.3505
90	OBanyuning2 (222)	0.9883	0.9796	0.9600	0.9664	0.9932	0.3601
91	OBanyuning2 (254)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1915
92	OBanyuning2 (259)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1876
93	OBanyuning2 (26)	0.9969	0.9945	0.9891	0.9969	0.9921	0.3328
94	OBanyuning2 (260)	0.9955	0.9238	0.8583	0.9664	0.8847	0.3311
95	OBanyuning2 (262)	0.9827	0.9585	0.9203	0.9482	0.9690	0.3450
96	OBanyuning2 (263)	0.9855	0.9651	0.9325	0.9717	0.9585	0.3636
97	OBanyuning2 (264)	0.9918	0.9772	0.9555	0.9891	0.9656	0.3942
98	OBanyuning2 (288)	0.9925	0.9733	0.9479	0.9886	0.9584	0.3458
99	OBanyuning2 (295)	0.9916	0.9707	0.9430	0.9867	0.9551	0.3471
100	OBanyuning2 (307)	0.9965	0.9757	0.9526	0.9973	0.9550	0.3426
101	OBanyuning2 (336)	0.9934	0.9880	0.9762	0.9957	0.9803	0.3503
102	OBanyuning2 (337)	0.9928	0.9868	0.9739	0.9966	0.9771	0.3451
103	OBanyuning2 (35)	0.9976	0.9956	0.9912	0.9984	0.9928	0.3526
104	OBanyuning2 (351)	0.9844	0.9727	0.9468	0.9679	0.9775	0.3417
105	OBanyuning2 (361)	0.9977	0.8751	0.7780	0.8494	0.9025	0.3546
106	OBanyuning2 (368)	0.9984	0.9898	0.9799	0.9956	0.9841	0.5066
107	OBanyuning2 (372)	0.9951	0.9847	0.9698	0.9735	0.9961	0.3496
108	OBanyuning2 (384)	0.9849	0.9781	0.9571	0.9743	0.9820	0.3408
109	OBanyuning2 (385)	0.9850	0.9770	0.9551	0.9780	0.9761	0.3459
110	OBanyuning2 (386)	0.9944	0.9909	0.9821	0.9935	0.9884	0.3425
111	OBanyuning2 (387)	0.9924	0.9875	0.9753	0.9944	0.9807	0.3444
112	OBanyuning2 (401)	0.9942	0.9878	0.9759	0.9785	0.9972	0.3411
113	OBanyuning2 (406)	0.9962	0.9919	0.9839	0.9869	0.9969	0.3412
114	OBanyuning2 (408)	0.9967	0.9928	0.9857	0.9959	0.9897	0.3389
115	OBanyuning2 (410)	0.9939	0.9863	0.9731	0.9796	0.9932	0.3396
116	OBanyuning2 (427)	0.9935	0.9763	0.9536	0.9823	0.9702	0.3790
117	OBanyuning2 (428)	0.9920	0.9707	0.9431	0.9582	0.9836	0.3322
118	OBanyuning2 (441)	0.9892	0.9840	0.9684	0.9822	0.9857	0.3374
119	OBanyuning2 (447)	0.9715	0.9655	0.9334	0.9952	0.9376	0.3420
120	OBanyuning2 (449)	0.9905	0.9901	0.9804	0.9985	0.9818	0.3717
121	OBanyuning2 (450)	0.9926	0.9924	0.9849	0.9962	0.9886	0.3389
122	OBanyuning2 (452)	0.9924	0.9923	0.9846	0.9984	0.9862	0.3682
123	OBanyuning2 (453)	0.9918	0.9910	0.9822	0.9831	0.9990	0.3620
124	OBanyuning2 (459)	0.9931	0.9905	0.9812	0.9986	0.9826	0.3650
125	OBanyuning2 (48)	0.9923	0.9915	0.9831	0.9966	0.9864	0.3391
126	OBanyuning2 (491)	0.9900	0.9899	0.9800	0.9968	0.9831	0.3561
127	OBanyuning2 (496)	0.9616	0.9721	0.9457	0.9776	0.9666	0.3431
128	OBanyuning2 (54)	0.9838	0.9768	0.9547	0.9943	0.9600	0.3421
129	OBanyuning2 (79)	0.9939	0.9883	0.9770	0.9939	0.9829	0.3670
130	OBanyuning2 (80)	0.9930	0.9867	0.9738	0.9854	0.9880	0.3640
131	OBanyuning2 (82)	0.9947	0.9892	0.9786	0.9963	0.9822	0.3975
132	OBanyuning2 (92)	0.9919	0.9494	0.9038	0.9971	0.9061	0.3321
133	OBanyuning2 (96)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1915

4. Hasil *testing* dengan *test set* 10% (89 frame citra).

NO	NAMA CITRA	AKURASI	NILAI F1	JACCARD INDEX	RECALL	PRESISI	WAKTU
1	OBanyuning1 (10)	0.9948	0.9903	0.9808	0.9932	0.9874	0.8174
2	OBanyuning1 (110)	0.9902	0.9660	0.9342	0.9923	0.9410	0.3154
3	OBanyuning1 (117)	0.9929	0.9710	0.9437	0.9669	0.9752	0.3082
4	OBanyuning1 (118)	0.9902	0.9594	0.9220	0.9773	0.9422	0.7333
5	OBanyuning1 (13)	0.9981	0.9964	0.9929	0.9997	0.9932	0.3313
6	OBanyuning1 (151)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1753
7	OBanyuning1 (163)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1736

8	OBanyuning1 (171)	0.9904	0.9811	0.9629	0.9933	0.9692	0.3543
9	OBanyuning1 (178)	0.9927	0.9841	0.9686	0.9824	0.9858	0.3374
10	OBanyuning1 (181)	0.9877	0.9737	0.9487	0.9947	0.9535	0.3438
11	OBanyuning1 (189)	0.9866	0.9735	0.9483	0.9998	0.9484	0.3541
12	OBanyuning1 (191)	0.9890	0.9789	0.9587	0.9986	0.9600	0.3777
13	OBanyuning1 (194)	0.9927	0.9860	0.9724	0.9931	0.9790	0.3549
14	OBanyuning1 (195)	0.9934	0.9872	0.9748	0.9910	0.9835	0.3596
15	OBanyuning1 (208)	0.9843	0.9746	0.9505	0.9996	0.9509	0.3426
16	OBanyuning1 (216)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1906
17	OBanyuning1 (243)	0.9905	0.9673	0.9367	0.9917	0.9441	0.3537
18	OBanyuning1 (244)	0.9910	0.9648	0.9320	0.9878	0.9429	0.3783
19	OBanyuning1 (249)	0.9941	0.9766	0.9544	0.9695	0.9839	0.3890
20	OBanyuning1 (27)	0.9973	0.9950	0.9900	0.9995	0.9905	0.3605
21	OBanyuning1 (271)	0.9890	0.9682	0.9384	0.9765	0.9601	0.3551
22	OBanyuning1 (280)	0.9962	0.9855	0.9715	0.9978	0.9736	0.3190
23	OBanyuning1 (284)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1915
24	OBanyuning1 (292)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1773
25	OBanyuning1 (316)	0.9928	0.9863	0.9730	0.9976	0.9753	0.3398
26	OBanyuning1 (318)	0.9917	0.9845	0.9695	0.9936	0.9756	0.3381
27	OBanyuning1 (326)	0.9970	0.9912	0.9826	0.9959	0.9867	0.4413
28	OBanyuning1 (342)	0.9964	0.9887	0.9776	0.9907	0.9867	0.3554
29	OBanyuning1 (345)	0.9801	0.9452	0.8961	0.9988	0.8971	0.3670
30	OBanyuning1 (348)	0.9892	0.9855	0.9714	0.9878	0.9832	0.3680
31	OBanyuning1 (377)	0.9811	0.9507	0.9060	0.9999	0.9062	0.3531
32	OBanyuning1 (381)	0.9748	0.9657	0.9336	0.9916	0.9410	0.3545
33	OBanyuning1 (383)	0.9589	0.9427	0.8916	0.9895	0.9001	0.3543
34	OBanyuning1 (51)	0.9879	0.9768	0.9547	0.9859	0.9679	0.3560
35	OBanyuning1 (6)	0.9924	0.9907	0.9816	0.9952	0.9863	0.3450
36	OBanyuning1 (63)	0.9914	0.9840	0.9684	0.9931	0.9750	0.3460
37	OBanyuning1 (65)	0.9917	0.9840	0.9685	0.9985	0.9700	0.3479
38	OBanyuning1 (84)	1.0000	1.0000	1.0000	1.0000	1.0000	0.2020
39	OBanyuning1 (9)	0.9978	0.9960	0.9921	0.9976	0.9945	0.3689
40	OBanyuning2 (100)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1961
41	OBanyuning2 (102)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1928
42	OBanyuning2 (104)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1899
43	OBanyuning2 (115)	0.9918	0.9780	0.9570	0.9984	0.9584	0.3379
44	OBanyuning2 (126)	0.9913	0.9681	0.9382	0.9687	0.9675	0.3640
45	OBanyuning2 (139)	0.9929	0.9739	0.9491	0.9801	0.9677	0.3538
46	OBanyuning2 (146)	0.9947	0.9811	0.9629	0.9790	0.9832	0.3433
47	OBanyuning2 (163)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1872
48	OBanyuning2 (167)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1853
49	OBanyuning2 (168)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1880
50	OBanyuning2 (174)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1983
51	OBanyuning2 (181)	1.0000	1.0000	1.0000	1.0000	1.0000	0.2026
52	OBanyuning2 (182)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1855
53	OBanyuning2 (183)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1855
54	OBanyuning2 (190)	0.9925	0.9864	0.9731	0.9870	0.9857	0.3414
55	OBanyuning2 (197)	0.9933	0.9853	0.9710	0.9875	0.9831	0.4954
56	OBanyuning2 (208)	0.9817	0.9645	0.9314	0.9566	0.9724	0.3311
57	OBanyuning2 (211)	0.9875	0.9762	0.9536	0.9851	0.9675	0.3294
58	OBanyuning2 (213)	0.9919	0.9848	0.9701	0.9830	0.9866	0.3451
59	OBanyuning2 (254)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1773
60	OBanyuning2 (259)	1.0000	1.0000	1.0000	1.0000	1.0000	0.2140
61	OBanyuning2 (26)	0.9969	0.9946	0.9892	0.9979	0.9913	0.3478
62	OBanyuning2 (260)	0.9956	0.9251	0.8606	0.9683	0.8855	0.3394
63	OBanyuning2 (262)	0.9872	0.9697	0.9413	0.9737	0.9658	0.3700
64	OBanyuning2 (263)	0.9865	0.9680	0.9379	0.9913	0.9457	0.3690
65	OBanyuning2 (264)	0.9894	0.9707	0.9431	0.9961	0.9467	0.3540
66	OBanyuning2 (295)	0.9917	0.9710	0.9437	0.9891	0.9536	0.3278
67	OBanyuning2 (307)	0.9973	0.9811	0.9629	0.9888	0.9735	0.3307
68	OBanyuning2 (336)	0.9937	0.9885	0.9773	0.9943	0.9828	0.3322
69	OBanyuning2 (35)	0.9974	0.9952	0.9904	0.9988	0.9917	0.3817
70	OBanyuning2 (351)	0.9840	0.9720	0.9454	0.9646	0.9794	0.3649
71	OBanyuning2 (368)	0.9980	0.9873	0.9750	0.9898	0.9849	0.3295
72	OBanyuning2 (372)	0.9946	0.9830	0.9667	0.9695	0.9969	0.3433
73	OBanyuning2 (384)	0.9896	0.9851	0.9706	0.9909	0.9793	0.3364
74	OBanyuning2 (385)	0.9878	0.9814	0.9635	0.9899	0.9730	0.3521
75	OBanyuning2 (387)	0.9913	0.9857	0.9718	0.9965	0.9751	0.3492
76	OBanyuning2 (410)	0.9942	0.9870	0.9743	0.9854	0.9886	0.3458

77	OBanyuning2 (427)	0.9931	0.9749	0.9510	0.9832	0.9667	0.3423
78	OBanyuning2 (447)	0.9688	0.9625	0.9276	0.9982	0.9292	0.3597
79	OBanyuning2 (449)	0.9901	0.9897	0.9796	0.9994	0.9802	0.3541
80	OBanyuning2 (452)	0.9916	0.9915	0.9832	0.9982	0.9849	0.3415
81	OBanyuning2 (453)	0.9922	0.9914	0.9829	0.9838	0.9990	0.3377
82	OBanyuning2 (459)	0.9917	0.9886	0.9774	0.9987	0.9787	0.3531
83	OBanyuning2 (48)	0.9926	0.9919	0.9839	0.9942	0.9895	0.3426
84	OBanyuning2 (491)	0.9904	0.9904	0.9809	0.9968	0.9840	0.3561
85	OBanyuning2 (496)	0.9617	0.9722	0.9460	0.9802	0.9645	0.3460
86	OBanyuning2 (54)	0.9847	0.9780	0.9570	0.9946	0.9620	0.3511
87	OBanyuning2 (80)	0.9937	0.9880	0.9764	0.9873	0.9888	0.3411
88	OBanyuning2 (82)	0.9952	0.9902	0.9805	0.9959	0.9845	0.3466
89	OBanyuning2 (92)	0.9937	0.9602	0.9234	0.9948	0.9278	0.3641

5. Hasil *testing* dengan *test set* 5% (45 frame citra).

NO	NAMA CITRA	AKURASI	NILAI F1	JACCARD INDEX	RECALL	PRESISI	WAKTU
1	OBanyuning1 (117)	0.9933	0.9727	0.9469	0.9710	0.9745	0.7440
2	OBanyuning1 (118)	0.9911	0.9630	0.9286	0.9800	0.9466	0.4233
3	OBanyuning1 (151)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1451
4	OBanyuning1 (163)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1556
5	OBanyuning1 (178)	0.9921	0.9826	0.9657	0.9821	0.9830	0.3201
6	OBanyuning1 (189)	0.9902	0.9804	0.9615	0.9995	0.9620	0.3342
7	OBanyuning1 (191)	0.9911	0.9828	0.9663	0.9979	0.9683	0.3332
8	OBanyuning1 (195)	0.9941	0.9885	0.9773	0.9898	0.9873	0.3468
9	OBanyuning1 (208)	0.9848	0.9755	0.9521	0.9995	0.9526	0.3436
10	OBanyuning1 (216)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1925
11	OBanyuning1 (243)	0.9895	0.9641	0.9307	0.9942	0.9358	0.3530
12	OBanyuning1 (27)	0.9973	0.9951	0.9903	0.9997	0.9906	0.3420
13	OBanyuning1 (271)	0.9898	0.9701	0.9419	0.9688	0.9714	0.3420
14	OBanyuning1 (292)	1.0000	1.0000	1.0000	1.0000	1.0000	0.2017
15	OBanyuning1 (326)	0.9974	0.9924	0.9849	0.9964	0.9884	0.3579
16	OBanyuning1 (342)	0.9961	0.9876	0.9756	0.9899	0.9853	0.3435
17	OBanyuning1 (348)	0.9895	0.9859	0.9722	0.9895	0.9824	0.3468
18	OBanyuning1 (377)	0.9865	0.9643	0.9311	0.9990	0.9320	0.3533
19	OBanyuning1 (381)	0.9748	0.9654	0.9332	0.9815	0.9498	0.3491
20	OBanyuning1 (51)	0.9902	0.9811	0.9630	0.9861	0.9762	0.3491
21	OBanyuning1 (63)	0.9921	0.9852	0.9709	0.9944	0.9762	0.3596
22	OBanyuning1 (9)	0.9977	0.9959	0.9918	0.9977	0.9940	0.3451
23	OBanyuning2 (100)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1893
24	OBanyuning2 (126)	0.9908	0.9664	0.9349	0.9741	0.9588	0.4393
25	OBanyuning2 (146)	0.9937	0.9774	0.9559	0.9676	0.9874	0.3487
26	OBanyuning2 (167)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1869
27	OBanyuning2 (168)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1950
28	OBanyuning2 (174)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1988
29	OBanyuning2 (181)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1879
30	OBanyuning2 (182)	1.0000	1.0000	1.0000	1.0000	1.0000	0.2049
31	OBanyuning2 (197)	0.9924	0.9831	0.9668	0.9848	0.9814	0.3370
32	OBanyuning2 (213)	0.9927	0.9862	0.9728	0.9803	0.9922	0.3342
33	OBanyuning2 (259)	1.0000	1.0000	1.0000	1.0000	1.0000	0.1942
34	OBanyuning2 (307)	0.9970	0.9786	0.9581	0.9848	0.9725	0.3311
35	OBanyuning2 (35)	0.9973	0.9951	0.9903	0.9987	0.9915	0.3412
36	OBanyuning2 (351)	0.9830	0.9703	0.9424	0.9662	0.9745	0.3710
37	OBanyuning2 (368)	0.9979	0.9867	0.9738	0.9904	0.9831	0.3586
38	OBanyuning2 (372)	0.9947	0.9834	0.9673	0.9712	0.9958	0.3450
39	OBanyuning2 (384)	0.9856	0.9791	0.9590	0.9768	0.9814	0.3434
40	OBanyuning2 (385)	0.9815	0.9715	0.9447	0.9697	0.9734	0.3488
41	OBanyuning2 (427)	0.9926	0.9730	0.9475	0.9805	0.9657	0.3399
42	OBanyuning2 (447)	0.9665	0.9598	0.9227	0.9977	0.9247	0.3497
43	OBanyuning2 (459)	0.9927	0.9899	0.9800	0.9992	0.9808	0.3646
44	OBanyuning2 (48)	0.9933	0.9926	0.9854	0.9931	0.9922	0.3474
45	OBanyuning2 (80)	0.9937	0.9882	0.9766	0.9868	0.9895	0.3431