



LAMPIRAN

Lampiran hasil *training kombinasi* parameter
Hasil MobileNet

<i>No</i>	<i>epochs</i>	<i>batch size</i>	<i>learning rate</i>	<i>dropout rate</i>	<i>dense neurons</i>	<i>vall accuracy</i>
1	50	32	0.01	0.2	32	0.9819444418
2	50	32	0.01	0.2	64	0.9777777791
3	50	32	0.01	0.2	128	0.9875000119
4	50	32	0.01	0.5	32	0.9791666865
5	50	32	0.01	0.5	64	0.965277791
6	50	32	0.01	0.5	128	0.9680555463
7	50	32	0.01	0.8	32	0.9694444537
8	50	32	0.01	0.8	64	0.972222209
9	50	32	0.01	0.8	128	0.8902778029
10	50	32	0.001	0.2	32	0.972222209
11	50	32	0.001	0.2	64	0.972222209
12	50	32	0.001	0.2	128	0.9611111283
13	50	32	0.001	0.5	32	0.9750000238
14	50	32	0.001	0.5	64	0.9805555344
15	50	32	0.001	0.5	128	0.9624999762
16	50	32	0.001	0.8	32	0.9694444537
17	50	32	0.001	0.8	64	0.9694444537
18	50	32	0.001	0.8	128	0.972222209
19	50	32	0.0001	0.2	32	0.9638888836
20	50	32	0.0001	0.2	64	0.965277791
21	50	32	0.0001	0.2	128	0.965277791
22	50	32	0.0001	0.5	32	0.965277791
23	50	32	0.0001	0.5	64	0.9624999762
24	50	32	0.0001	0.5	128	0.9694444537
25	50	32	0.0001	0.8	32	0.8999999762
26	50	32	0.0001	0.8	64	0.9611111283
27	50	32	0.0001	0.8	128	0.9624999762
28	50	64	0.01	0.2	32	0.9916666746
29	50	64	0.01	0.2	64	0.9694444537
30	50	64	0.01	0.2	128	0.9944444299
31	50	64	0.01	0.5	32	0.9902777672
32	50	64	0.01	0.5	64	0.9847221971
33	50	64	0.01	0.5	128	0.9638888836
34	50	64	0.01	0.8	32	0.9791666865
35	50	64	0.01	0.8	64	0.9666666389
36	50	64	0.01	0.8	128	0.9611111283
37	50	64	0.001	0.2	32	0.9763888717
38	50	64	0.001	0.2	64	0.9777777791
39	50	64	0.001	0.2	128	0.9777777791
40	50	64	0.001	0.5	32	0.9736111164

<i>No</i>	<i>epochs</i>	<i>batch size</i>	<i>learning rate</i>	<i>dropout rate</i>	<i>dense neurons</i>	<i>vall accuracy</i>
41	50	64	0.001	0.5	64	0.9680555463
42	50	64	0.001	0.5	128	0.965277791
43	50	64	0.001	0.8	32	0.9666666389
44	50	64	0.001	0.8	64	0.9624999762
45	50	64	0.001	0.8	128	0.9611111283
46	50	64	0.0001	0.2	32	0.9611111283
47	50	64	0.0001	0.2	64	0.9666666389
48	50	64	0.0001	0.2	128	0.9666666389
49	50	64	0.0001	0.5	32	0.9555555582
50	50	64	0.0001	0.5	64	0.9611111283
51	50	64	0.0001	0.5	128	0.9611111283
52	50	64	0.0001	0.8	32	0.8763889074
53	50	64	0.0001	0.8	64	0.9263888597
54	50	64	0.0001	0.8	128	0.9597222209
55	50	128	0.01	0.2	32	0.9736111164
56	50	128	0.01	0.2	64	0.9638888836
57	50	128	0.01	0.2	128	0.9888888597
58	50	128	0.01	0.5	32	0.9611111283
59	50	128	0.01	0.5	64	0.9875000119
60	50	128	0.01	0.5	128	0.9722222209
61	50	128	0.01	0.8	32	0.9611111283
62	50	128	0.01	0.8	64	0.9305555582
63	50	128	0.01	0.8	128	0.9763888717
64	50	128	0.001	0.2	32	0.9722222209
65	50	128	0.001	0.2	64	0.9638888836
66	50	128	0.001	0.2	128	0.9624999762
67	50	128	0.001	0.5	32	0.9694444537
68	50	128	0.001	0.5	64	0.9736111164
69	50	128	0.001	0.5	128	0.9611111283
70	50	128	0.001	0.8	32	0.9638888836
71	50	128	0.001	0.8	64	0.9638888836
72	50	128	0.001	0.8	128	0.9708333611
73	50	128	0.0001	0.2	32	0.9319444299
74	50	128	0.0001	0.2	64	0.9611111283
75	50	128	0.0001	0.2	128	0.965277791
76	50	128	0.0001	0.5	32	0.840277791
77	50	128	0.0001	0.5	64	0.9388889074
78	50	128	0.0001	0.5	128	0.9402777553
79	50	128	0.0001	0.8	32	0.8069444299
80	50	128	0.0001	0.8	64	0.7930555344
81	50	128	0.0001	0.8	128	0.8972222209
82	75	32	0.01	0.2	32	0.9736111164
83	75	32	0.01	0.2	64	0.9791666865

<i>No</i>	<i>epochs</i>	<i>batch size</i>	<i>learning rate</i>	<i>dropout rate</i>	<i>dense neurons</i>	<i>vall accuracy</i>
84	75	32	0.01	0.2	128	0.9750000238
85	75	32	0.01	0.5	32	0.972222209
86	75	32	0.01	0.5	64	0.9791666865
87	75	32	0.01	0.5	128	0.9736111164
88	75	32	0.01	0.8	32	0.9777777791
89	75	32	0.01	0.8	64	0.9819444418
90	75	32	0.01	0.8	128	0.9736111164
91	75	32	0.001	0.2	32	0.9833333492
92	75	32	0.001	0.2	64	0.9847221971
93	75	32	0.001	0.2	128	0.9750000238
94	75	32	0.001	0.5	32	0.9708333611
95	75	32	0.001	0.5	64	0.972222209
96	75	32	0.001	0.5	128	0.9833333492
97	75	32	0.001	0.8	32	0.9611111283
98	75	32	0.001	0.8	64	0.9624999762
99	75	32	0.001	0.8	128	0.965277791
100	75	32	0.0001	0.2	32	0.9708333611
101	75	32	0.0001	0.2	64	0.9638888836
102	75	32	0.0001	0.2	128	0.9736111164
103	75	32	0.0001	0.5	32	0.9611111283
104	75	32	0.0001	0.5	64	0.9638888836
105	75	32	0.0001	0.5	128	0.9638888836
106	75	32	0.0001	0.8	32	0.9513888955
107	75	32	0.0001	0.8	64	0.9624999762
108	75	32	0.0001	0.8	128	0.9611111283
109	75	64	0.01	0.2	32	0.9638888836
110	75	64	0.01	0.2	64	0.9750000238
111	75	64	0.01	0.2	128	0.9694444537
112	75	64	0.01	0.5	32	0.9819444418
113	75	64	0.01	0.5	64	0.993055582
114	75	64	0.01	0.5	128	0.9805555344
115	75	64	0.01	0.8	32	0.965277791
116	75	64	0.01	0.8	64	0.9763888717
117	75	64	0.01	0.8	128	0.9597222209
118	75	64	0.001	0.2	32	0.9736111164
119	75	64	0.001	0.2	64	0.9708333611
120	75	64	0.001	0.2	128	0.9624999762
121	75	64	0.001	0.5	32	0.9736111164
122	75	64	0.001	0.5	64	0.9694444537
123	75	64	0.001	0.5	128	0.9763888717
124	75	64	0.001	0.8	32	0.9624999762
125	75	64	0.001	0.8	64	0.9694444537
126	75	64	0.001	0.8	128	0.9708333611

<i>No</i>	<i>epochs</i>	<i>batch size</i>	<i>learning rate</i>	<i>dropout rate</i>	<i>dense neurons</i>	<i>vall accuracy</i>
127	75	64	0.0001	0.2	32	0.9680555463
128	75	64	0.0001	0.2	64	0.965277791
129	75	64	0.0001	0.2	128	0.9680555463
130	75	64	0.0001	0.5	32	0.9624999762
131	75	64	0.0001	0.5	64	0.9638888836
132	75	64	0.0001	0.5	128	0.9624999762
133	75	64	0.0001	0.8	32	0.9180555344
134	75	64	0.0001	0.8	64	0.9347222447
135	75	64	0.0001	0.8	128	0.9624999762
136	75	128	0.01	0.2	32	0.965277791
137	75	128	0.01	0.2	64	0.9750000238
138	75	128	0.01	0.2	128	0.9819444418
139	75	128	0.01	0.5	32	0.972222209
140	75	128	0.01	0.5	64	0.9680555463
141	75	128	0.01	0.5	128	0.9736111164
142	75	128	0.01	0.8	32	0.965277791
143	75	128	0.01	0.8	64	0.9624999762
144	75	128	0.01	0.8	128	0.9694444537
145	75	128	0.001	0.2	32	0.9638888836
146	75	128	0.001	0.2	64	0.9638888836
147	75	128	0.001	0.2	128	0.9736111164
148	75	128	0.001	0.5	32	0.965277791
149	75	128	0.001	0.5	64	0.9638888836
150	75	128	0.001	0.5	128	0.965277791
151	75	128	0.001	0.8	32	0.9611111283
152	75	128	0.001	0.8	64	0.9624999762
153	75	128	0.001	0.8	128	0.9624999762
154	75	128	0.0001	0.2	32	0.9611111283
155	75	128	0.0001	0.2	64	0.9624999762
156	75	128	0.0001	0.2	128	0.9611111283
157	75	128	0.0001	0.5	32	0.9166666865
158	75	128	0.0001	0.5	64	0.9611111283
159	75	128	0.0001	0.5	128	0.9611111283
160	75	128	0.0001	0.8	32	0.8444444537
161	75	128	0.0001	0.8	64	0.8847222328
162	75	128	0.0001	0.8	128	0.9263888597
163	100	32	0.01	0.2	32	0.9638888836
164	100	32	0.01	0.2	64	0.9777777791
165	100	32	0.01	0.2	128	0.9777777791
166	100	32	0.01	0.5	32	0.9888888597
167	100	32	0.01	0.5	64	0.9611111283
168	100	32	0.01	0.5	128	0.9611111283
169	100	32	0.01	0.8	32	0.9750000238

<i>No</i>	<i>epochs</i>	<i>batch size</i>	<i>learning rate</i>	<i>dropout rate</i>	<i>dense neurons</i>	<i>vall accuracy</i>
170	100	32	0.01	0.8	64	0.965277791
171	100	32	0.01	0.8	128	0.972222209
172	100	32	0.001	0.2	32	0.9847221971
173	100	32	0.001	0.2	64	0.9875000119
174	100	32	0.001	0.2	128	0.9777777791
175	100	32	0.001	0.5	32	0.9666666389
176	100	32	0.001	0.5	64	0.972222209
177	100	32	0.001	0.5	128	0.9763888717
178	100	32	0.001	0.8	32	0.9624999762
179	100	32	0.001	0.8	64	0.9736111164
180	100	32	0.001	0.8	128	0.9611111283
181	100	32	0.0001	0.2	32	0.9680555463
182	100	32	0.0001	0.2	64	0.9694444537
183	100	32	0.0001	0.2	128	0.9680555463
184	100	32	0.0001	0.5	32	0.9611111283
185	100	32	0.0001	0.5	64	0.9638888836
186	100	32	0.0001	0.5	128	0.9666666389
187	100	32	0.0001	0.8	32	0.9611111283
188	100	32	0.0001	0.8	64	0.9638888836
189	100	32	0.0001	0.8	128	0.9624999762
190	100	64	0.01	0.2	32	0.9708333611
191	100	64	0.01	0.2	64	0.9791666865
192	100	64	0.01	0.2	128	0.9611111283
193	100	64	0.01	0.5	32	0.9750000238
194	100	64	0.01	0.5	64	0.9777777791
195	100	64	0.01	0.5	128	0.9763888717
196	100	64	0.01	0.8	32	0.9638888836
197	100	64	0.01	0.8	64	0.9499999881
198	100	64	0.01	0.8	128	0.9694444537
199	100	64	0.001	0.2	32	0.9763888717
200	100	64	0.001	0.2	64	0.965277791
201	100	64	0.001	0.2	128	0.9708333611
202	100	64	0.001	0.5	32	0.9624999762
203	100	64	0.001	0.5	64	0.9624999762
204	100	64	0.001	0.5	128	0.9680555463
205	100	64	0.001	0.8	32	0.9638888836
206	100	64	0.001	0.8	64	0.9624999762
207	100	64	0.001	0.8	128	0.9624999762
208	100	64	0.0001	0.2	32	0.9638888836
209	100	64	0.0001	0.2	64	0.9611111283
210	100	64	0.0001	0.2	128	0.9680555463
211	100	64	0.0001	0.5	32	0.9638888836
212	100	64	0.0001	0.5	64	0.9611111283

<i>No</i>	<i>epochs</i>	<i>batch size</i>	<i>learning rate</i>	<i>dropout rate</i>	<i>dense neurons</i>	<i>vall accuracy</i>
213	100	64	0.0001	0.5	128	0.965277791
214	100	64	0.0001	0.8	32	0.944444418
215	100	64	0.0001	0.8	64	0.963888836
216	100	64	0.0001	0.8	128	0.9624999762
217	100	128	0.01	0.2	32	0.9819444418
218	100	128	0.01	0.2	64	0.965277791
219	100	128	0.01	0.2	128	0.963888836
220	100	128	0.01	0.5	32	0.9777777791
221	100	128	0.01	0.5	64	0.9680555463
222	100	128	0.01	0.5	128	0.9666666389
223	100	128	0.01	0.8	32	0.9750000238
224	100	128	0.01	0.8	64	0.9763888717
225	100	128	0.01	0.8	128	0.9472222328
226	100	128	0.001	0.2	32	0.9750000238
227	100	128	0.001	0.2	64	0.965277791
228	100	128	0.001	0.2	128	0.9916666746
229	100	128	0.001	0.5	32	0.9611111283
230	100	128	0.001	0.5	64	0.9680555463
231	100	128	0.001	0.5	128	0.965277791
232	100	128	0.001	0.8	32	0.965277791
233	100	128	0.001	0.8	64	0.965277791
234	100	128	0.001	0.8	128	0.9624999762
235	100	128	0.0001	0.2	32	0.9624999762
236	100	128	0.0001	0.2	64	0.9611111283
237	100	128	0.0001	0.2	128	0.9624999762
238	100	128	0.0001	0.5	32	0.9486111403
239	100	128	0.0001	0.5	64	0.9624999762
240	100	128	0.0001	0.5	128	0.965277791
241	100	128	0.0001	0.8	32	0.8847222328
242	100	128	0.0001	0.8	64	0.8333333135
243	100	128	0.0001	0.8	128	0.9569444656

Hasil VGG16

No	epochs	batch size	learning rate	dropout rate	dense neurons	vall accuracy
1	50	32	0.01	0.2	32	0.966666639
2	50	32	0.01	0.2	64	0.975000024
3	50	32	0.01	0.2	128	0.963888884
4	50	64	0.01	0.2	32	0.984722197
5	50	64	0.01	0.2	64	0.961111128
6	50	64	0.01	0.2	128	0.976388872
7	50	128	0.01	0.2	32	0.894444466
8	50	128	0.01	0.2	64	0.941666663
9	50	128	0.01	0.2	128	0.858333349
10	50	32	0.001	0.2	32	0.98888886
11	50	32	0.001	0.2	64	0.981944442
12	50	32	0.001	0.2	128	0.969444454
13	50	64	0.001	0.2	32	0.962499976
14	50	64	0.001	0.2	64	0.981944442
15	50	64	0.001	0.2	128	0.976388872
16	50	128	0.001	0.2	32	0.994444443
17	50	128	0.001	0.2	64	0.962499976
18	50	128	0.001	0.2	128	0.973611116
19	50	32	0.0001	0.2	32	0.980555534
20	50	32	0.0001	0.2	64	0.98888886
21	50	32	0.0001	0.2	128	0.966666639
22	50	64	0.0001	0.2	32	0.961111128
23	50	64	0.0001	0.2	64	0.979166687
24	50	64	0.0001	0.2	128	0.979166687
25	50	128	0.0001	0.2	32	0.961111128
26	50	128	0.0001	0.2	64	0.965277791
27	50	128	0.0001	0.2	128	0.961111128
28	50	32	0.01	0.5	32	0.987500012
29	50	32	0.01	0.5	64	0.966666639
30	50	32	0.01	0.5	128	0.983333349
31	50	64	0.01	0.5	32	0.972222209
32	50	64	0.01	0.5	64	0.983333349
33	50	64	0.01	0.5	128	0.986111104
34	50	128	0.01	0.5	32	0.966666639
35	50	128	0.01	0.5	64	0.940277755
36	50	128	0.01	0.5	128	0.987500012
37	50	32	0.001	0.5	32	0.969444454
38	50	32	0.001	0.5	64	0.965277791
39	50	32	0.001	0.5	128	0.979166687
40	50	64	0.001	0.5	32	0.966666639
41	50	64	0.001	0.5	64	0.986111104

No	epochs	batch size	learning rate	dropout rate	dense neurons	vall accuracy
42	50	64	0.001	0.5	128	0.972222209
43	50	128	0.001	0.5	32	0.963888884
44	50	128	0.001	0.5	64	0.972222209
45	50	128	0.001	0.5	128	0.979166687
46	50	32	0.0001	0.5	32	0.979166687
47	50	32	0.0001	0.5	64	0.986111104
48	50	32	0.0001	0.5	128	0.968055546
49	50	64	0.0001	0.5	32	0.980555534
50	50	64	0.0001	0.5	64	0.972222209
51	50	64	0.0001	0.5	128	0.965277791
52	50	128	0.0001	0.5	32	0.970833361
53	50	128	0.0001	0.5	64	0.972222209
54	50	128	0.0001	0.5	128	0.961111128
55	50	32	0.01	0.8	32	0.984722197
56	50	32	0.01	0.8	64	0.962499976
57	50	32	0.01	0.8	128	0.961111128
58	50	64	0.01	0.8	32	0.962499976
59	50	64	0.01	0.8	64	0.965277791
60	50	64	0.01	0.8	128	0.984722197
61	50	128	0.01	0.8	32	0.962499976
62	50	128	0.01	0.8	64	0.972222209
63	50	128	0.01	0.8	128	0.986111104
64	50	32	0.001	0.8	32	0.980555534
65	50	32	0.001	0.8	64	0.976388872
66	50	32	0.001	0.8	128	0.966666639
67	50	64	0.001	0.8	32	0.965277791
68	50	64	0.001	0.8	64	0.969444454
69	50	64	0.001	0.8	128	0.980555534
70	50	128	0.001	0.8	32	0.963888884
71	50	128	0.001	0.8	64	0.966666639
72	50	128	0.001	0.8	128	0.963888884
73	50	32	0.0001	0.8	32	0.970833361
74	50	32	0.0001	0.8	64	0.965277791
75	50	32	0.0001	0.8	128	0.961111128
76	50	64	0.0001	0.8	32	0.972222209
77	50	64	0.0001	0.8	64	0.965277791
78	50	64	0.0001	0.8	128	0.963888884
79	50	128	0.0001	0.8	32	0.965277791
80	50	128	0.0001	0.8	64	0.977777779
81	50	128	0.0001	0.8	128	0.965277791
82	75	32	0.01	0.2	32	0.961111128
83	75	32	0.01	0.2	64	0.976388872
84	75	32	0.01	0.2	128	0.94305557

No	epochs	batch size	learning rate	dropout rate	dense neurons	vall accuracy
85	75	64	0.01	0.2	32	0.965277791
86	75	64	0.01	0.2	64	0.962499976
87	75	64	0.01	0.2	128	0.94305557
88	75	128	0.01	0.2	32	0.854166687
89	75	128	0.01	0.2	64	0.98888886
90	75	128	0.01	0.2	128	0.945833325
91	75	32	0.001	0.2	32	0.963888884
92	75	32	0.001	0.2	64	0.963888884
93	75	32	0.001	0.2	128	0.972222209
94	75	64	0.001	0.2	32	0.969444454
95	75	64	0.001	0.2	64	0.976388872
96	75	64	0.001	0.2	128	0.976388872
97	75	128	0.001	0.2	32	0.983333349
98	75	128	0.001	0.2	64	0.979166687
99	75	128	0.001	0.2	128	0.970833361
100	75	32	0.0001	0.2	32	0.963888884
101	75	32	0.0001	0.2	64	0.98888886
102	75	32	0.0001	0.2	128	0.973611116
103	75	64	0.0001	0.2	32	0.973611116
104	75	64	0.0001	0.2	64	0.966666639
105	75	64	0.0001	0.2	128	0.976388872
106	75	128	0.0001	0.2	32	0.970833361
107	75	128	0.0001	0.2	64	0.981944442
108	75	128	0.0001	0.2	128	0.968055546
109	75	32	0.01	0.5	32	0.969444454
110	75	32	0.01	0.5	64	0.968055546
111	75	32	0.01	0.5	128	0.984722197
112	75	64	0.01	0.5	32	0.979166687
113	75	64	0.01	0.5	64	0.966666639
114	75	64	0.01	0.5	128	0.979166687
115	75	128	0.01	0.5	32	0.972222209
116	75	128	0.01	0.5	64	0.922222197
117	75	128	0.01	0.5	128	0.976388872
118	75	32	0.001	0.5	32	0.969444454
119	75	32	0.001	0.5	64	0.986111104
120	75	32	0.001	0.5	128	0.986111104
121	75	64	0.001	0.5	32	0.973611116
122	75	64	0.001	0.5	64	0.990277767
123	75	64	0.001	0.5	128	0.975000024
124	75	128	0.001	0.5	32	0.963888884
125	75	128	0.001	0.5	64	0.979166687
126	75	128	0.001	0.5	128	0.98888886
127	75	32	0.0001	0.5	32	0.977777779

No	epochs	batch size	learning rate	dropout rate	dense neurons	vall accuracy
128	75	32	0.0001	0.5	64	0.966666639
129	75	32	0.0001	0.5	128	0.976388872
130	75	64	0.0001	0.5	32	0.961111128
131	75	64	0.0001	0.5	64	0.963888884
132	75	64	0.0001	0.5	128	0.973611116
133	75	128	0.0001	0.5	32	0.963888884
134	75	128	0.0001	0.5	64	0.966666639
135	75	128	0.0001	0.5	128	0.969444454
136	75	32	0.01	0.8	32	0.979166687
137	75	32	0.01	0.8	64	0.968055546
138	75	32	0.01	0.8	128	0.962499976
139	75	64	0.01	0.8	32	0.975000024
140	75	64	0.01	0.8	64	0.970833361
141	75	64	0.01	0.8	128	0.962499976
142	75	128	0.01	0.8	32	0.962499976
143	75	128	0.01	0.8	64	0.961111128
144	75	128	0.01	0.8	128	0.958333313
145	75	32	0.001	0.8	32	0.986111104
146	75	32	0.001	0.8	64	0.981944442
147	75	32	0.001	0.8	128	0.969444454
148	75	64	0.001	0.8	32	0.963888884
149	75	64	0.001	0.8	64	0.981944442
150	75	64	0.001	0.8	128	0.972222209
151	75	128	0.001	0.8	32	0.979166687
152	75	128	0.001	0.8	64	0.968055546
153	75	128	0.001	0.8	128	0.963888884
154	75	32	0.0001	0.8	32	0.961111128
155	75	32	0.0001	0.8	64	0.973611116
156	75	32	0.0001	0.8	128	0.962499976
157	75	64	0.0001	0.8	32	0.977777779
158	75	64	0.0001	0.8	64	0.962499976
159	75	64	0.0001	0.8	128	0.961111128
160	75	128	0.0001	0.8	32	0.961111128
161	75	128	0.0001	0.8	64	0.963888884
162	75	128	0.0001	0.8	128	0.965277791
163	100	32	0.01	0.2	32	0.983333349
164	100	32	0.01	0.2	64	0.977777779
165	100	32	0.01	0.2	128	0.970833361
166	100	64	0.01	0.2	32	0.981944442
167	100	64	0.01	0.2	64	0.969444454
168	100	64	0.01	0.2	128	0.963888884
169	100	128	0.01	0.2	32	0.838888884
170	100	128	0.01	0.2	64	0.972222209

No	epochs	batch size	learning rate	dropout rate	dense neurons	vall accuracy
171	100	128	0.01	0.2	128	0.973611116
172	100	32	0.001	0.2	32	0.973611116
173	100	32	0.001	0.2	64	0.965277791
174	100	32	0.001	0.2	128	0.975000024
175	100	64	0.001	0.2	32	0.962499976
176	100	64	0.001	0.2	64	0.980555534
177	100	64	0.001	0.2	128	0.961111128
178	100	128	0.001	0.2	32	0.970833361
179	100	128	0.001	0.2	64	0.961111128
180	100	128	0.001	0.2	128	0.958333313
181	100	32	0.0001	0.2	32	0.970833361
182	100	32	0.0001	0.2	64	0.965277791
183	100	32	0.0001	0.2	128	0.975000024
184	100	64	0.0001	0.2	32	0.981944442
185	100	64	0.0001	0.2	64	0.984722197
186	100	64	0.0001	0.2	128	0.981944442
187	100	128	0.0001	0.2	32	0.965277791
188	100	128	0.0001	0.2	64	0.962499976
189	100	128	0.0001	0.2	128	0.962499976
190	100	32	0.01	0.5	32	0.986111104
191	100	32	0.01	0.5	64	0.969444454
192	100	32	0.01	0.5	128	0.962499976
193	100	64	0.01	0.5	32	0.973611116
194	100	64	0.01	0.5	64	0.965277791
195	100	64	0.01	0.5	128	0.963888884
196	100	128	0.01	0.5	32	0.965277791
197	100	128	0.01	0.5	64	0.973611116
198	100	128	0.01	0.5	128	0.963888884
199	100	32	0.001	0.5	32	0.984722197
200	100	32	0.001	0.5	64	0.959722221
201	100	32	0.001	0.5	128	0.961111128
202	100	64	0.001	0.5	32	0.972222209
203	100	64	0.001	0.5	64	0.968055546
204	100	64	0.001	0.5	128	0.968055546
205	100	128	0.001	0.5	32	0.962499976
206	100	128	0.001	0.5	64	0.962499976
207	100	128	0.001	0.5	128	0.973611116
208	100	32	0.0001	0.5	32	0.986111104
209	100	32	0.0001	0.5	64	0.987500012
210	100	32	0.0001	0.5	128	0.981944442
211	100	64	0.0001	0.5	32	0.970833361
212	100	64	0.0001	0.5	64	0.973611116
213	100	64	0.0001	0.5	128	0.987500012

No	epochs	batch size	learning rate	dropout rate	dense neurons	vall accuracy
214	100	128	0.0001	0.5	32	0.965277791
215	100	128	0.0001	0.5	64	0.962499976
216	100	128	0.0001	0.5	128	0.962499976
217	100	32	0.01	0.8	32	0.977777779
218	100	32	0.01	0.8	64	0.966666639
219	100	32	0.01	0.8	128	0.962499976
220	100	64	0.01	0.8	32	0.979166687
221	100	64	0.01	0.8	64	0.969444454
222	100	64	0.01	0.8	128	0.965277791
223	100	128	0.01	0.8	32	0.965277791
224	100	128	0.01	0.8	64	0.968055546
225	100	128	0.01	0.8	128	0.925000012
226	100	32	0.001	0.8	32	0.983333349
227	100	32	0.001	0.8	64	0.966666639
228	100	32	0.001	0.8	128	0.968055546
229	100	64	0.001	0.8	32	0.963888884
230	100	64	0.001	0.8	64	0.976388872
231	100	64	0.001	0.8	128	0.965277791
232	100	128	0.001	0.8	32	0.961111128
233	100	128	0.001	0.8	64	0.976388872
234	100	128	0.001	0.8	128	0.973611116
235	100	32	0.0001	0.8	32	0.972222209
236	100	32	0.0001	0.8	64	0.961111128
237	100	32	0.0001	0.8	128	0.975000024
238	100	64	0.0001	0.8	32	0.963888884
239	100	64	0.0001	0.8	64	0.973611116
240	100	64	0.0001	0.8	128	0.965277791
241	100	128	0.0001	0.8	32	0.965277791
242	100	128	0.0001	0.8	64	0.962499976
243	100	128	0.0001	0.8	128	0.966666639

Lampiran hasil dengan data original

Hasil kombinasi terbaik MobileNet dengan data original

<i>Epoch</i>	<i>Train loss</i>	<i>Vall loss</i>	<i>Accuracy</i>	<i>Preccision</i>	<i>Recall</i>	<i>F1-Score</i>
50	0.435	0.0948	96.67%	96.97%	96.67%	96.66%
75	0.3814	0.3198	86.67%	90.48%	86.67%	86.81%
100	0.0017	0.0946	83.33%	87.14%	83.33%	82.78%

Hasil kombinasi terbaik VGG16 dengan data original

<i>Epoch</i>	<i>Train loss</i>	<i>Vall loss</i>	<i>Accuracy</i>	<i>Preccision</i>	<i>Recall</i>	<i>F1-Score</i>
50	0.2188	0.0694	90.00%	92.31%	90.00%	89.77%
75	0.0939	0.0385	96.67%	96.97%	96.67%	96.66%
100	0.4729	0.0566	93.33%	93.64%	93.33%	93.32%

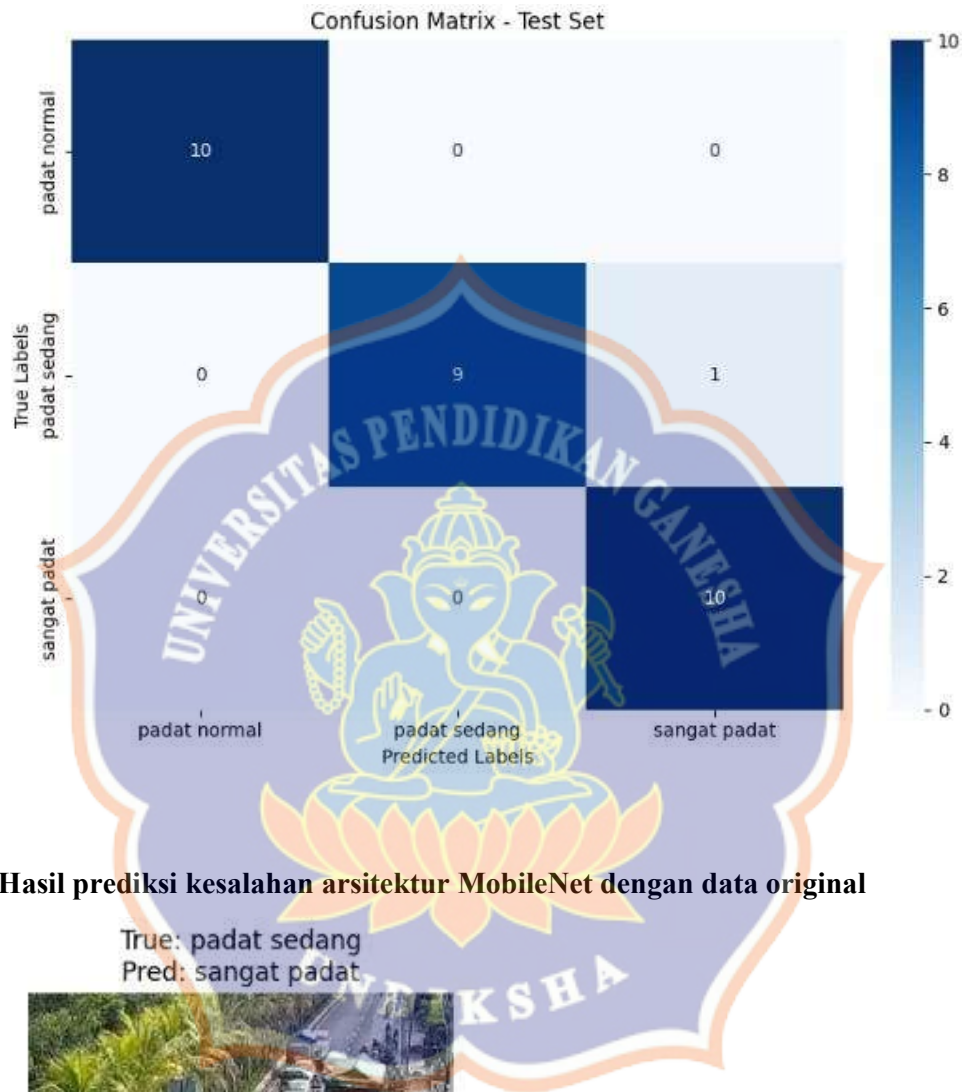
Hasil training fold ke 1-5 MobileNet dengan data original

<i>Epoch</i>	<i>Fold</i>	<i>Train loss</i>	<i>Vall loss</i>	<i>Accuracy</i>	<i>Preccision</i>	<i>Recall</i>	<i>F1-Score</i>
50	1	0.145100	0.134700	100.0%	100.0%	100.0%	100.0%
50	2	0.313100	0.688600	76.67%	83.33%	76.67%	76.22%
50	3	0.525200	0.724600	76.67%	79.56%	76.67%	77.31%
50	4	0.195800	0.094600	100.0%	100.0%	100.0%	100.0%
50	5	0.123900	0.112300	100.0%	100.0%	100.0%	100.0%

Hasil training fold ke 1-5 VGG16 dengan data original

<i>Epoch</i>	<i>Fold</i>	<i>Train loss</i>	<i>Vall loss</i>	<i>Accuracy</i>	<i>Preccision</i>	<i>Recall</i>	<i>F1-Score</i>
75	1	0.110500	1.801300	93.33%	93.64%	93.33%	93.32%
75	2	0.188700	1.316600	90.0%	90.91%	90.0%	89.95%
75	3	0.000000	0.547400	98.33%	98.41%	98.33%	98.33%
75	4	0.186600	0.524600	95.0%	95.65%	95.0%	95.07%
75	5	0.149300	1.045900	96.67%	96.97%	96.67%	96.66%

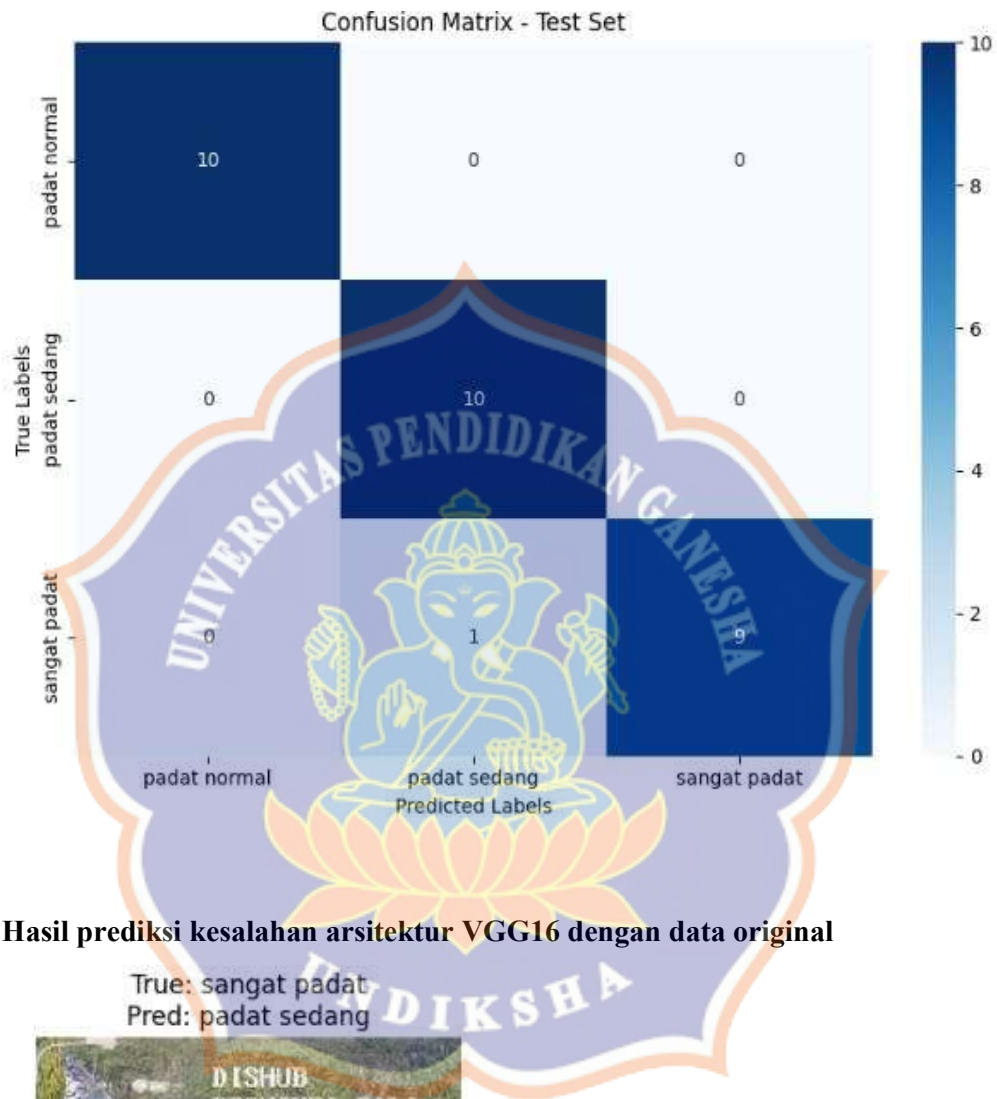
Hasil *Confusion matrix* arsitektur MobileNet dengan data original



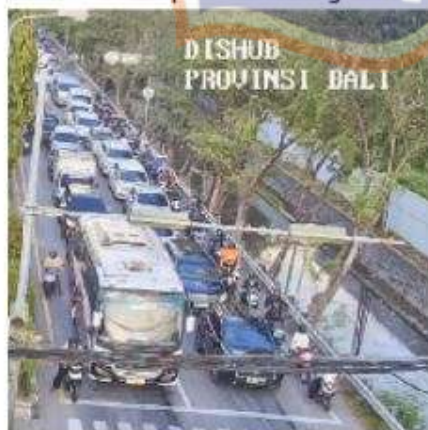
Hasil prediksi kesalahan arsitektur MobileNet dengan data original



Hasil *Confusion matrix* arsitektur VGG16 dengan data original



Hasil prediksi kesalahan arsitektur VGG16 dengan data original



Hasil *training kombinasi* parameter MobileNet dengan data original

<i>No</i>	<i>epochs</i>	<i>batch size</i>	<i>learning rate</i>	<i>dropout rate</i>	<i>dense neurons</i>	<i>vall accuracy</i>
1	50	128	0.01	0.8	128	0.991666675
2	75	32	0.0001	0.5	128	0.983333349
3	50	32	0.01	0.2	128	0.983333349
4	50	32	0.001	0.2	128	0.983333349
5	50	32	0.001	0.5	32	0.983333349
6	50	64	0.01	0.5	64	0.983333349
7	50	64	0.01	0.5	128	0.983333349
8	50	128	0.01	0.5	128	0.983333349
9	75	32	0.01	0.2	64	0.983333349
10	75	32	0.01	0.5	32	0.983333349
11	75	32	0.01	0.5	128	0.983333349
12	75	32	0.01	0.8	32	0.983333349
13	75	32	0.001	0.8	128	0.983333349
14	75	64	0.01	0.8	32	0.983333349
15	50	32	0.01	0.5	128	0.975000024
16	50	32	0.01	0.8	128	0.975000024
17	50	32	0.001	0.2	64	0.975000024
18	50	32	0.001	0.8	64	0.975000024
19	50	32	0.001	0.8	128	0.975000024
20	50	64	0.01	0.8	32	0.975000024
21	50	64	0.001	0.2	128	0.975000024
22	50	64	0.001	0.8	128	0.975000024
23	50	128	0.01	0.8	32	0.975000024
24	75	32	0.01	0.2	32	0.975000024
25	75	32	0.01	0.5	64	0.975000024
26	75	32	0.001	0.2	64	0.975000024
27	75	32	0.001	0.5	32	0.975000024
28	75	64	0.01	0.5	64	0.975000024
29	75	64	0.01	0.8	128	0.975000024
30	75	64	0.001	0.2	128	0.975000024
31	75	64	0.001	0.8	32	0.975000024
32	75	64	0.0001	0.5	128	0.975000024
33	75	128	0.01	0.5	64	0.975000024
34	75	128	0.01	0.5	128	0.975000024
35	75	128	0.001	0.2	32	0.975000024
36	75	128	0.001	0.5	64	0.975000024
37	75	128	0.0001	0.2	64	0.975000024
38	75	128	0.0001	0.2	128	0.975000024
39	100	32	0.01	0.2	64	0.975000024
40	100	32	0.01	0.8	64	0.975000024
41	100	32	0.001	0.2	64	0.975000024

<i>No</i>	<i>epochs</i>	<i>batch size</i>	<i>learning rate</i>	<i>dropout rate</i>	<i>dense neurons</i>	<i>vall accuracy</i>
42	100	32	0.001	0.5	128	0.975000024
43	100	32	0.0001	0.2	32	0.975000024
44	100	64	0.01	0.5	64	0.975000024
45	100	64	0.01	0.8	32	0.975000024
46	100	64	0.001	0.2	64	0.975000024
47	100	64	0.001	0.5	64	0.975000024
48	100	64	0.001	0.8	32	0.975000024
49	100	64	0.0001	0.2	64	0.975000024
50	100	64	0.0001	0.2	128	0.975000024
51	100	128	0.001	0.2	128	0.975000024
52	100	128	0.001	0.5	128	0.975000024
53	100	32	0.01	0.2	128	0.975000024
54	75	32	0.01	0.2	128	0.975000024
55	100	64	0.01	0.2	64	0.975000024
56	50	32	0.01	0.2	32	0.966666639
57	50	32	0.01	0.2	64	0.966666639
58	50	32	0.001	0.2	32	0.966666639
59	50	32	0.001	0.5	64	0.966666639
60	50	32	0.001	0.5	128	0.966666639
61	50	32	0.001	0.8	32	0.966666639
62	50	32	0.0001	0.2	32	0.966666639
63	50	32	0.0001	0.2	64	0.966666639
64	50	32	0.0001	0.2	128	0.966666639
65	50	32	0.0001	0.5	64	0.966666639
66	50	32	0.0001	0.5	128	0.966666639
67	50	64	0.01	0.2	32	0.966666639
68	50	64	0.01	0.2	64	0.966666639
69	50	64	0.01	0.2	128	0.966666639
70	50	64	0.01	0.5	32	0.966666639
71	50	64	0.01	0.8	128	0.966666639
72	50	64	0.001	0.2	32	0.966666639
73	50	64	0.001	0.2	64	0.966666639
74	50	64	0.001	0.5	32	0.966666639
75	50	64	0.001	0.5	64	0.966666639
76	50	64	0.001	0.5	128	0.966666639
77	50	64	0.001	0.8	32	0.966666639
78	50	64	0.001	0.8	64	0.966666639
79	50	64	0.0001	0.2	128	0.966666639
80	50	64	0.0001	0.5	128	0.966666639
81	50	128	0.001	0.2	32	0.966666639
82	50	128	0.001	0.2	64	0.966666639
83	50	128	0.001	0.2	128	0.966666639
84	50	128	0.001	0.5	32	0.966666639

<i>No</i>	<i>epochs</i>	<i>batch size</i>	<i>learning rate</i>	<i>dropout rate</i>	<i>dense neurons</i>	<i>vall accuracy</i>
85	50	128	0.001	0.5	64	0.966666639
86	50	128	0.001	0.5	128	0.966666639
87	50	128	0.001	0.8	64	0.966666639
88	50	128	0.001	0.8	128	0.966666639
89	75	32	0.01	0.8	64	0.966666639
90	75	32	0.01	0.8	128	0.966666639
91	75	32	0.001	0.2	32	0.966666639
92	75	32	0.001	0.2	128	0.966666639
93	75	32	0.001	0.5	64	0.966666639
94	75	32	0.001	0.5	128	0.966666639
95	75	32	0.001	0.8	32	0.966666639
96	75	32	0.001	0.8	64	0.966666639
97	75	32	0.0001	0.2	32	0.966666639
98	75	32	0.0001	0.2	64	0.966666639
99	75	32	0.0001	0.2	128	0.966666639
100	75	32	0.0001	0.5	32	0.966666639
101	75	32	0.0001	0.5	64	0.966666639
102	75	32	0.0001	0.8	128	0.966666639
103	75	64	0.01	0.2	32	0.966666639
104	75	64	0.01	0.2	64	0.966666639
105	75	64	0.01	0.5	32	0.966666639
106	75	64	0.01	0.8	64	0.966666639
107	75	64	0.001	0.2	32	0.966666639
108	75	64	0.001	0.2	64	0.966666639
109	75	64	0.001	0.5	32	0.966666639
110	75	64	0.001	0.5	64	0.966666639
111	75	64	0.001	0.5	128	0.966666639
112	75	64	0.001	0.8	64	0.966666639
113	75	64	0.001	0.8	128	0.966666639
114	75	64	0.0001	0.2	32	0.966666639
115	75	64	0.0001	0.2	64	0.966666639
116	75	64	0.0001	0.2	128	0.966666639
117	75	64	0.0001	0.5	64	0.966666639
118	75	128	0.01	0.2	64	0.966666639
119	75	128	0.01	0.5	32	0.966666639
120	75	128	0.001	0.2	64	0.966666639
121	75	128	0.001	0.2	128	0.966666639
122	75	128	0.001	0.5	32	0.966666639
123	75	128	0.001	0.5	128	0.966666639
124	75	128	0.001	0.8	32	0.966666639
125	75	128	0.001	0.8	64	0.966666639
126	75	128	0.001	0.8	128	0.966666639
127	75	128	0.0001	0.5	128	0.966666639

<i>No</i>	<i>epochs</i>	<i>batch size</i>	<i>learning rate</i>	<i>dropout rate</i>	<i>dense neurons</i>	<i>vall accuracy</i>
128	100	32	0.01	0.5	32	0.966666639
129	100	32	0.01	0.8	32	0.966666639
130	100	32	0.001	0.2	32	0.966666639
131	100	32	0.001	0.5	64	0.966666639
132	100	32	0.001	0.8	32	0.966666639
133	100	32	0.001	0.8	64	0.966666639
134	100	32	0.0001	0.2	64	0.966666639
135	100	32	0.0001	0.2	128	0.966666639
136	100	32	0.0001	0.5	32	0.966666639
137	100	32	0.0001	0.5	64	0.966666639
138	100	32	0.0001	0.5	128	0.966666639
139	100	32	0.0001	0.8	64	0.966666639
140	100	32	0.0001	0.8	128	0.966666639
141	100	64	0.01	0.2	32	0.966666639
142	100	64	0.01	0.8	64	0.966666639
143	100	64	0.001	0.2	32	0.966666639
144	100	64	0.001	0.2	128	0.966666639
145	100	64	0.001	0.5	32	0.966666639
146	100	64	0.001	0.5	128	0.966666639
147	100	64	0.001	0.8	64	0.966666639
148	100	64	0.001	0.8	128	0.966666639
149	100	64	0.0001	0.2	32	0.966666639
150	100	64	0.0001	0.5	32	0.966666639
151	100	64	0.0001	0.5	64	0.966666639
152	100	64	0.0001	0.5	128	0.966666639
153	100	128	0.01	0.5	32	0.966666639
154	100	128	0.01	0.8	64	0.966666639
155	100	128	0.001	0.2	32	0.966666639
156	100	128	0.001	0.2	64	0.966666639
157	100	128	0.001	0.5	32	0.966666639
158	100	128	0.001	0.5	64	0.966666639
159	100	128	0.001	0.8	32	0.966666639
160	100	128	0.001	0.8	64	0.966666639
161	100	128	0.001	0.8	128	0.966666639
162	100	128	0.0001	0.2	32	0.966666639
163	100	128	0.0001	0.2	64	0.966666639
164	100	128	0.0001	0.2	128	0.966666639
165	100	128	0.0001	0.5	128	0.966666639
166	100	32	0.01	0.5	64	0.966666639
167	100	32	0.01	0.5	128	0.966666639
168	100	32	0.001	0.2	128	0.966666639
169	100	32	0.001	0.5	32	0.966666639
170	100	32	0.001	0.8	128	0.966666639

<i>No</i>	<i>epochs</i>	<i>batch size</i>	<i>learning rate</i>	<i>dropout rate</i>	<i>dense neurons</i>	<i>vall accuracy</i>
171	100	64	0.01	0.5	32	0.966666639
172	100	64	0.01	0.5	128	0.966666639
173	50	32	0.01	0.5	32	0.958333313
174	50	64	0.0001	0.2	32	0.958333313
175	50	64	0.0001	0.2	64	0.958333313
176	100	64	0.0001	0.8	128	0.958333313
177	50	32	0.01	0.5	64	0.949999988
178	50	32	0.01	0.8	64	0.949999988
179	50	32	0.0001	0.5	32	0.949999988
180	50	128	0.0001	0.2	128	0.949999988
181	100	32	0.01	0.2	32	0.949999988
182	100	64	0.01	0.8	128	0.949999988
183	75	64	0.0001	0.5	32	0.941666663
184	50	32	0.0001	0.8	128	0.933333337
185	75	64	0.01	0.2	128	0.933333337
186	75	64	0.0001	0.8	128	0.933333337
187	50	128	0.001	0.8	32	0.925000012
188	75	32	0.0001	0.8	64	0.925000012
189	100	32	0.01	0.8	128	0.925000012
190	100	128	0.01	0.5	64	0.925000012
191	100	128	0.0001	0.5	64	0.925000012
192	50	64	0.0001	0.5	64	0.916666687
193	50	32	0.01	0.8	32	0.908333361
194	50	128	0.0001	0.5	128	0.908333361
195	100	64	0.0001	0.8	32	0.908333361
196	100	128	0.01	0.5	128	0.908333361
197	100	32	0.0001	0.8	32	0.899999976
198	75	128	0.01	0.2	128	0.891666651
199	75	128	0.0001	0.5	64	0.891666651
200	100	64	0.0001	0.8	64	0.891666651
201	100	128	0.0001	0.5	32	0.891666651
202	50	128	0.01	0.8	64	0.883333325
203	100	128	0.01	0.2	128	0.883333325
204	100	128	0.0001	0.8	128	0.883333325
205	50	64	0.0001	0.8	128	0.875
206	50	128	0.01	0.2	64	0.875
207	50	128	0.0001	0.2	64	0.875
208	50	32	0.0001	0.8	32	0.866666675
209	75	64	0.0001	0.8	64	0.866666675
210	75	128	0.01	0.8	32	0.866666675
211	75	128	0.0001	0.8	128	0.866666675
212	50	128	0.0001	0.5	64	0.858333349
213	75	128	0.01	0.2	32	0.850000024

<i>No</i>	<i>epochs</i>	<i>batch size</i>	<i>learning rate</i>	<i>dropout rate</i>	<i>dense neurons</i>	<i>vall accuracy</i>
214	50	32	0.0001	0.8	64	0.841666639
215	50	128	0.01	0.5	64	0.841666639
216	75	32	0.0001	0.8	32	0.841666639
217	75	128	0.0001	0.2	32	0.841666639
218	50	128	0.01	0.2	128	0.833333313
219	100	64	0.01	0.2	128	0.833333313
220	75	64	0.01	0.5	128	0.824999988
221	50	64	0.0001	0.8	64	0.816666663
222	50	128	0.0001	0.2	32	0.816666663
223	100	128	0.01	0.2	64	0.816666663
224	100	128	0.0001	0.8	32	0.808333337
225	75	128	0.0001	0.8	64	0.800000012
226	100	128	0.0001	0.8	64	0.791666687
227	75	128	0.01	0.8	64	0.783333361
228	75	128	0.0001	0.5	32	0.783333361
229	75	128	0.01	0.8	128	0.774999976
230	100	128	0.01	0.2	32	0.774999976
231	75	64	0.0001	0.8	32	0.766666651
232	50	64	0.0001	0.5	32	0.741666675
233	50	128	0.0001	0.8	128	0.733333349
234	75	128	0.0001	0.8	32	0.725000024
235	50	64	0.01	0.8	64	0.716666639
236	50	64	0.0001	0.8	32	0.716666639
237	50	128	0.01	0.5	32	0.708333313
238	100	128	0.01	0.8	32	0.708333313
239	50	128	0.0001	0.5	32	0.699999988
240	50	128	0.0001	0.8	64	0.683333337
241	50	128	0.01	0.2	32	0.633333325
242	50	128	0.0001	0.8	32	0.574999988
243	100	128	0.01	0.8	128	0.574999988

Hasil training kombinasi parameter VGG16 dengan data original

<i>No</i>	<i>epochs</i>	<i>batch size</i>	<i>learning rate</i>	<i>dropout rate</i>	<i>dense neurons</i>	<i>vall accuracy</i>
1	75	32	0.01	0.2	32	0.991666675
2	75	32	0.01	0.8	128	0.991666675
3	75	64	0.01	0.5	128	0.991666675
4	75	32	0.001	0.2	64	0.991666675
5	75	32	0.001	0.2	128	0.991666675
6	75	128	0.01	0.5	128	0.991666675
7	75	128	0.01	0.8	128	0.991666675
8	100	64	0.01	0.5	64	0.983333349
9	100	64	0.001	0.5	128	0.983333349
10	100	32	0.001	0.2	64	0.983333349
11	100	64	0.01	0.8	32	0.983333349
12	100	64	0.01	0.8	64	0.983333349
13	100	128	0.01	0.8	32	0.983333349
14	75	32	0.01	0.5	64	0.983333349
15	75	32	0.0001	0.5	32	0.983333349
16	75	32	0.0001	0.5	64	0.983333349
17	75	32	0.0001	0.5	128	0.983333349
18	75	32	0.0001	0.8	64	0.983333349
19	75	64	0.01	0.2	64	0.983333349
20	75	64	0.01	0.8	64	0.983333349
21	75	64	0.001	0.2	32	0.983333349
22	75	64	0.001	0.2	128	0.983333349
23	75	64	0.0001	0.5	64	0.983333349
24	75	64	0.0001	0.5	128	0.983333349
25	75	64	0.0001	0.8	32	0.983333349
26	75	128	0.01	0.5	64	0.983333349
27	75	128	0.001	0.5	32	0.983333349
28	100	32	0.01	0.2	32	0.983333349
29	100	32	0.01	0.5	64	0.983333349
30	100	32	0.01	0.8	32	0.983333349
31	100	32	0.001	0.5	128	0.983333349
32	100	32	0.001	0.8	32	0.983333349
33	100	32	0.0001	0.2	32	0.983333349
34	100	32	0.0001	0.5	128	0.983333349
35	100	64	0.01	0.2	64	0.983333349
36	100	64	0.001	0.2	128	0.983333349
37	100	64	0.0001	0.2	128	0.983333349
38	100	128	0.01	0.2	128	0.983333349
39	100	128	0.01	0.5	32	0.983333349
40	50	32	0.01	0.5	32	0.975000024
41	50	32	0.01	0.5	64	0.975000024

<i>No</i>	<i>epochs</i>	<i>batch size</i>	<i>learning rate</i>	<i>dropout rate</i>	<i>dense neurons</i>	<i>vall accuracy</i>
42	50	32	0.01	0.8	32	0.975000024
43	50	32	0.01	0.8	64	0.975000024
44	50	32	0.01	0.8	128	0.975000024
45	50	32	0.001	0.2	32	0.975000024
46	50	32	0.001	0.8	64	0.975000024
47	50	32	0.0001	0.2	64	0.975000024
48	50	32	0.0001	0.5	64	0.975000024
49	50	64	0.01	0.5	64	0.975000024
50	50	64	0.01	0.8	64	0.975000024
51	50	64	0.001	0.8	128	0.975000024
52	50	64	0.0001	0.5	32	0.975000024
53	50	64	0.0001	0.8	32	0.975000024
54	50	64	0.0001	0.8	64	0.975000024
55	50	128	0.01	0.5	32	0.975000024
56	50	128	0.01	0.5	64	0.975000024
57	50	128	0.001	0.2	32	0.975000024
58	50	128	0.001	0.2	64	0.975000024
59	50	128	0.0001	0.5	32	0.975000024
60	50	128	0.0001	0.8	64	0.975000024
61	75	32	0.01	0.8	64	0.975000024
62	75	32	0.001	0.5	32	0.975000024
63	75	32	0.001	0.5	64	0.975000024
64	75	32	0.001	0.5	128	0.975000024
65	75	32	0.001	0.8	64	0.975000024
66	75	32	0.0001	0.2	64	0.975000024
67	75	32	0.0001	0.8	32	0.975000024
68	75	32	0.0001	0.8	128	0.975000024
69	75	64	0.01	0.8	32	0.975000024
70	75	64	0.001	0.2	64	0.975000024
71	75	64	0.001	0.5	128	0.975000024
72	75	64	0.001	0.8	32	0.975000024
73	75	64	0.001	0.8	64	0.975000024
74	75	64	0.0001	0.2	128	0.975000024
75	75	64	0.0001	0.5	32	0.975000024
76	75	64	0.0001	0.8	64	0.975000024
77	75	128	0.01	0.2	32	0.975000024
78	75	128	0.01	0.8	64	0.975000024
79	75	128	0.0001	0.2	32	0.975000024
80	75	128	0.0001	0.2	64	0.975000024
81	75	128	0.0001	0.5	128	0.975000024
82	75	128	0.0001	0.8	32	0.975000024
83	100	32	0.01	0.5	32	0.975000024
84	100	32	0.01	0.5	128	0.975000024

<i>No</i>	<i>epochs</i>	<i>batch size</i>	<i>learning rate</i>	<i>dropout rate</i>	<i>dense neurons</i>	<i>vall accuracy</i>
85	100	32	0.001	0.2	128	0.975000024
86	100	32	0.001	0.5	32	0.975000024
87	100	32	0.001	0.8	64	0.975000024
88	100	32	0.001	0.8	128	0.975000024
89	100	32	0.0001	0.2	128	0.975000024
90	100	32	0.0001	0.8	32	0.975000024
91	100	32	0.0001	0.8	64	0.975000024
92	100	64	0.01	0.5	128	0.975000024
93	100	64	0.001	0.2	32	0.975000024
94	100	64	0.0001	0.2	32	0.975000024
95	100	64	0.0001	0.5	128	0.975000024
96	100	128	0.01	0.8	128	0.975000024
97	100	128	0.001	0.2	32	0.975000024
98	100	128	0.001	0.2	128	0.975000024
99	50	32	0.001	0.5	32	0.975000024
100	50	32	0.001	0.5	128	0.975000024
101	50	64	0.01	0.5	128	0.975000024
102	50	64	0.001	0.2	128	0.975000024
103	50	64	0.001	0.5	32	0.975000024
104	50	64	0.0001	0.2	64	0.975000024
105	50	128	0.001	0.8	32	0.975000024
106	50	128	0.0001	0.2	32	0.975000024
107	50	32	0.01	0.2	32	0.975000024
108	50	32	0.001	0.2	128	0.975000024
109	50	32	0.0001	0.5	32	0.975000024
110	50	128	0.01	0.5	128	0.975000024
111	50	128	0.01	0.8	32	0.975000024
112	50	128	0.001	0.8	128	0.975000024
113	100	128	0.0001	0.5	128	0.975000024
114	100	128	0.0001	0.8	64	0.975000024
115	50	32	0.01	0.5	128	0.966666639
116	50	32	0.001	0.2	64	0.966666639
117	50	32	0.001	0.5	64	0.966666639
118	50	32	0.001	0.8	32	0.966666639
119	50	32	0.001	0.8	128	0.966666639
120	50	32	0.0001	0.2	32	0.966666639
121	50	32	0.0001	0.2	128	0.966666639
122	50	32	0.0001	0.5	128	0.966666639
123	50	32	0.0001	0.8	32	0.966666639
124	50	32	0.0001	0.8	64	0.966666639
125	50	32	0.0001	0.8	128	0.966666639
126	50	64	0.01	0.2	64	0.966666639
127	50	64	0.01	0.8	32	0.966666639

<i>No</i>	<i>epochs</i>	<i>batch size</i>	<i>learning rate</i>	<i>dropout rate</i>	<i>dense neurons</i>	<i>vall accuracy</i>
128	50	64	0.001	0.2	32	0.966666639
129	50	64	0.001	0.5	64	0.966666639
130	50	64	0.001	0.5	128	0.966666639
131	50	64	0.001	0.8	32	0.966666639
132	50	64	0.001	0.8	64	0.966666639
133	50	64	0.0001	0.2	32	0.966666639
134	50	64	0.0001	0.2	128	0.966666639
135	50	64	0.0001	0.5	64	0.966666639
136	50	64	0.0001	0.5	128	0.966666639
137	50	64	0.0001	0.8	128	0.966666639
138	50	128	0.001	0.2	128	0.966666639
139	50	128	0.001	0.5	32	0.966666639
140	50	128	0.001	0.5	128	0.966666639
141	50	128	0.001	0.8	64	0.966666639
142	50	128	0.0001	0.2	64	0.966666639
143	50	128	0.0001	0.2	128	0.966666639
144	50	128	0.0001	0.5	64	0.966666639
145	50	128	0.0001	0.5	128	0.966666639
146	50	128	0.0001	0.8	32	0.966666639
147	50	128	0.0001	0.8	128	0.966666639
148	75	32	0.01	0.2	128	0.966666639
149	75	32	0.01	0.5	32	0.966666639
150	75	32	0.01	0.5	128	0.966666639
151	75	32	0.01	0.8	32	0.966666639
152	75	32	0.001	0.2	32	0.966666639
153	75	32	0.001	0.8	32	0.966666639
154	75	32	0.001	0.8	128	0.966666639
155	75	32	0.0001	0.2	32	0.966666639
156	75	32	0.0001	0.2	128	0.966666639
157	75	64	0.01	0.5	32	0.966666639
158	75	64	0.01	0.5	64	0.966666639
159	75	64	0.001	0.5	64	0.966666639
160	75	64	0.001	0.8	128	0.966666639
161	75	64	0.0001	0.2	32	0.966666639
162	75	64	0.0001	0.2	64	0.966666639
163	75	64	0.0001	0.8	128	0.966666639
164	75	128	0.01	0.5	32	0.966666639
165	75	128	0.001	0.2	32	0.966666639
166	75	128	0.001	0.2	128	0.966666639
167	75	128	0.001	0.5	64	0.966666639
168	75	128	0.001	0.5	128	0.966666639
169	75	128	0.001	0.8	32	0.966666639
170	75	128	0.001	0.8	64	0.966666639

<i>No</i>	<i>epochs</i>	<i>batch size</i>	<i>learning rate</i>	<i>dropout rate</i>	<i>dense neurons</i>	<i>vall accuracy</i>
171	75	128	0.001	0.8	128	0.966666639
172	75	128	0.0001	0.2	128	0.966666639
173	75	128	0.0001	0.5	32	0.966666639
174	75	128	0.0001	0.5	64	0.966666639
175	75	128	0.0001	0.8	64	0.966666639
176	75	128	0.0001	0.8	128	0.966666639
177	100	32	0.01	0.8	64	0.966666639
178	100	32	0.01	0.8	128	0.966666639
179	100	32	0.001	0.2	32	0.966666639
180	100	32	0.001	0.5	64	0.966666639
181	100	32	0.0001	0.2	64	0.966666639
182	100	32	0.0001	0.5	32	0.966666639
183	100	32	0.0001	0.5	64	0.966666639
184	100	32	0.0001	0.8	128	0.966666639
185	100	64	0.01	0.2	32	0.966666639
186	100	64	0.01	0.5	32	0.966666639
187	100	64	0.001	0.2	64	0.966666639
188	100	64	0.001	0.5	32	0.966666639
189	100	64	0.001	0.5	64	0.966666639
190	100	64	0.001	0.8	32	0.966666639
191	100	64	0.001	0.8	64	0.966666639
192	100	64	0.001	0.8	128	0.966666639
193	100	64	0.0001	0.2	64	0.966666639
194	100	64	0.0001	0.5	32	0.966666639
195	100	64	0.0001	0.5	64	0.966666639
196	100	64	0.0001	0.8	32	0.966666639
197	100	64	0.0001	0.8	64	0.966666639
198	100	64	0.0001	0.8	128	0.966666639
199	100	128	0.01	0.2	32	0.966666639
200	100	128	0.01	0.2	64	0.966666639
201	100	128	0.001	0.2	64	0.966666639
202	100	128	0.001	0.5	32	0.966666639
203	100	128	0.001	0.5	64	0.966666639
204	100	128	0.001	0.5	128	0.966666639
205	100	128	0.001	0.8	32	0.966666639
206	100	128	0.0001	0.2	32	0.966666639
207	100	128	0.0001	0.2	64	0.966666639
208	100	128	0.0001	0.2	128	0.966666639
209	100	128	0.0001	0.5	32	0.966666639
210	100	128	0.0001	0.5	64	0.966666639
211	100	128	0.0001	0.8	32	0.966666639
212	100	128	0.0001	0.8	128	0.966666639
213	50	32	0.01	0.2	128	0.958333313

<i>No</i>	<i>epochs</i>	<i>batch size</i>	<i>learning rate</i>	<i>dropout rate</i>	<i>dense neurons</i>	<i>vall accuracy</i>
214	50	64	0.01	0.5	32	0.958333313
215	75	64	0.001	0.5	32	0.958333313
216	75	128	0.01	0.8	32	0.958333313
217	100	64	0.01	0.2	128	0.958333313
218	100	64	0.01	0.8	128	0.958333313
219	50	32	0.01	0.2	64	0.949999988
220	100	32	0.01	0.2	64	0.949999988
221	100	32	0.01	0.2	128	0.949999988
222	50	128	0.001	0.5	64	0.941666663
223	75	128	0.01	0.2	64	0.941666663
224	75	128	0.001	0.2	64	0.941666663
225	50	64	0.001	0.2	64	0.933333337
226	50	128	0.01	0.2	128	0.933333337
227	75	64	0.01	0.2	128	0.933333337
228	75	128	0.01	0.2	128	0.933333337
229	100	128	0.01	0.5	128	0.933333337
230	50	64	0.01	0.8	128	0.925000012
231	50	128	0.01	0.8	128	0.925000012
232	100	128	0.001	0.8	128	0.908333361
233	50	128	0.01	0.2	32	0.899999976
234	50	128	0.01	0.2	64	0.899999976
235	75	64	0.01	0.8	128	0.891666651
236	50	64	0.01	0.2	32	0.883333325
237	50	64	0.01	0.2	128	0.866666675
238	100	128	0.01	0.5	64	0.858333349
239	75	32	0.01	0.2	64	0.808333337
240	75	64	0.01	0.2	32	0.808333337
241	100	128	0.01	0.8	64	0.808333337
242	50	128	0.01	0.8	64	0.800000012
243	100	128	0.001	0.8	64	0.408333331