

LAMPIRAN DATASET

No	Age	Sex	BMI	Smoker	PhysActivity	Fruits	Veggies	HvyAlcoholConsump	GenHlth	MentHlth	PhysHlth	Diabetes	Kelas HighChol
1	8.0	0.0	29.0	1.0	1.0	1.0	1.0	0.0	2.0	0.0	0.0	0.0	0.0
2	1.0	0.0	18.0	0.0	1.0	1.0	1.0	0.0	2.0	7.0	0.0	0.0	0.0
3	6.0	1.0	31.0	1.0	0.0	1.0	1.0	0.0	4.0	0.0	0.0	0.0	0.0
4	3.0	0.0	32.0	0.0	1.0	1.0	1.0	0.0	3.0	0.0	0.0	0.0	0.0
5	6.0	1.0	27.0	1.0	0.0	1.0	1.0	0.0	3.0	0.0	6.0	0.0	0.0
6	4.0	1.0	21.0	0.0	1.0	1.0	1.0	0.0	1.0	0.0	0.0	0.0	0.0
7	10.0	1.0	58.0	0.0	0.0	1.0	1.0	0.0	3.0	3.0	3.0	0.0	0.0
8	10.0	0.0	18.0	1.0	1.0	1.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0
9	9.0	0.0	30.0	0.0	1.0	0.0	1.0	0.0	2.0	0.0	0.0	0.0	0.0
10	10.0	1.0	30.0	1.0	1.0	1.0	1.0	0.0	1.0	0.0	0.0	0.0	0.0
11	8.0	0.0	20.0	0.0	1.0	1.0	1.0	0.0	2.0	0.0	0.0	0.0	0.0
12	7.0	1.0	26.0	0.0	0.0	1.0	1.0	0.0	3.0	0.0	15.0	0.0	0.0
13	6.0	0.0	22.0	0.0	1.0	1.0	1.0	0.0	1.0	0.0	0.0	0.0	0.0
14	8.0	0.0	22.0	0.0	1.0	0.0	1.0	1.0	2.0	0.0	0.0	0.0	0.0
15	9.0	0.0	30.0	0.0	1.0	1.0	1.0	0.0	1.0	0.0	0.0	0.0	0.0
16	12.0	0.0	20.0	1.0	0.0	0.0	1.0	0.0	2.0	0.0	3.0	0.0	0.0
17	6.0	0.0	38.0	0.0	1.0	1.0	1.0	0.0	2.0	2.0	2.0	0.0	0.0
18	3.0	0.0	24.0	1.0	1.0	1.0	1.0	0.0	2.0	5.0	0.0	0.0	0.0
19	4.0	1.0	20.0	0.0	1.0	1.0	1.0	0.0	3.0	0.0	2.0	0.0	0.0
20	4.0	0.0	20.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	4.0	0.0	0.0
21	5.0	1.0	25.0	0.0	0.0	0.0	1.0	0.0	2.0	0.0	0.0	0.0	0.0
22	7.0	1.0	36.0	1.0	1.0	1.0	1.0	0.0	2.0	0.0	0.0	0.0	0.0

23	5.0	0.0	31.0	0.0	1.0	1.0	1.0	0.0	2.0	1.0	0.0	0.0	0.0
24	9.0	0.0	22.0	0.0	1.0	0.0	1.0	0.0	1.0	5.0	0.0	0.0	0.0
25	10.0	1.0	26.0	0.0	0.0	1.0	1.0	0.0	1.0	0.0	0.0	0.0	0.0
26	3.0	0.0	41.0	0.0	0.0	1.0	1.0	0.0	3.0	0.0	1.0	0.0	0.0
27	8.0	0.0	22.0	1.0	1.0	1.0	1.0	0.0	1.0	0.0	0.0	0.0	0.0
28	6.0	0.0	23.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
29	7.0	1.0	23.0	0.0	1.0	0.0	1.0	0.0	1.0	0.0	0.0	0.0	0.0
30	13.0	0.0	26.0	0.0	1.0	1.0	1.0	0.0	3.0	0.0	0.0	0.0	0.0
31	10.0	0.0	31.0	1.0	1.0	1.0	1.0	0.0	2.0	0.0	0.0	0.0	0.0
32	5.0	0.0	20.0	1.0	1.0	1.0	1.0	0.0	2.0	7.0	0.0	0.0	0.0
33	8.0	0.0	22.0	0.0	1.0	1.0	1.0	0.0	4.0	0.0	30.0	0.0	0.0
34	5.0	1.0	21.0	0.0	1.0	0.0	1.0	0.0	1.0	0.0	0.0	0.0	0.0
35	6.0	0.0	20.0	1.0	1.0	1.0	1.0	0.0	2.0	0.0	4.0	0.0	0.0
36	4.0	1.0	27.0	1.0	0.0	0.0	1.0	0.0	3.0	2.0	0.0	0.0	0.0
37	10.0	1.0	28.0	0.0	0.0	1.0	0.0	0.0	2.0	0.0	0.0	0.0	0.0
38	3.0	0.0	31.0	1.0	0.0	0.0	0.0	0.0	1.0	0.0	1.0	0.0	0.0
39	6.0	1.0	22.0	1.0	1.0	0.0	1.0	0.0	4.0	20.0	4.0	0.0	0.0
40	1.0	1.0	36.0	0.0	1.0	1.0	1.0	0.0	2.0	30.0	0.0	0.0	0.0
41	6.0	0.0	24.0	0.0	1.0	1.0	1.0	0.0	2.0	5.0	5.0	0.0	0.0
42	9.0	0.0	28.0	0.0	1.0	1.0	1.0	1.0	3.0	3.0	10.0	0.0	0.0
43	2.0	1.0	26.0	0.0	1.0	0.0	1.0	0.0	2.0	0.0	0.0	0.0	0.0
44	8.0	1.0	30.0	1.0	1.0	0.0	1.0	0.0	2.0	0.0	0.0	0.0	0.0
45	13.0	0.0	29.0	0.0	1.0	0.0	1.0	0.0	1.0	0.0	0.0	0.0	0.0
46	2.0	0.0	23.0	0.0	1.0	1.0	1.0	0.0	2.0	0.0	0.0	0.0	0.0
47	4.0	0.0	25.0	0.0	1.0	1.0	1.0	0.0	1.0	0.0	0.0	0.0	0.0
48	7.0	1.0	33.0	0.0	1.0	1.0	0.0	0.0	1.0	0.0	7.0	0.0	0.0
49	11.0	0.0	22.0	0.0	1.0	1.0	1.0	0.0	2.0	0.0	0.0	0.0	0.0
50	8.0	1.0	27.0	1.0	1.0	0.0	1.0	0.0	2.0	0.0	0.0	0.0	0.0
51	10.0	0.0	22.0	0.0	1.0	0.0	1.0	0.0	1.0	3.0	3.0	0.0	0.0

52	10.0	0.0	30.0	1.0	1.0	1.0	1.0	0.0	1.0	5.0	0.0	0.0	0.0
53	4.0	1.0	28.0	1.0	1.0	1.0	0.0	0.0	4.0	0.0	30.0	0.0	0.0
54	8.0	0.0	28.0	0.0	1.0	0.0	0.0	0.0	2.0	20.0	0.0	0.0	0.0
55	4.0	1.0	29.0	1.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0
56	6.0	0.0	27.0	0.0	1.0	1.0	1.0	0.0	2.0	5.0	0.0	0.0	0.0
57	2.0	0.0	23.0	1.0	1.0	1.0	1.0	0.0	3.0	0.0	0.0	0.0	0.0
58	3.0	0.0	23.0	1.0	1.0	0.0	1.0	0.0	2.0	7.0	0.0	0.0	0.0
59	4.0	0.0	27.0	0.0	1.0	1.0	1.0	0.0	2.0	0.0	0.0	0.0	0.0
60	10.0	0.0	27.0	1.0	1.0	1.0	0.0	0.0	2.0	0.0	4.0	0.0	0.0
61	1.0	1.0	23.0	0.0	1.0	0.0	1.0	0.0	1.0	0.0	0.0	0.0	0.0
62	3.0	0.0	22.0	0.0	1.0	0.0	1.0	0.0	1.0	0.0	0.0	0.0	0.0
63	11.0	1.0	30.0	1.0	1.0	1.0	1.0	0.0	3.0	0.0	0.0	0.0	0.0
64	7.0	1.0	25.0	1.0	0.0	1.0	1.0	0.0	2.0	0.0	0.0	0.0	0.0
65	12.0	1.0	24.0	1.0	1.0	1.0	1.0	0.0	1.0	0.0	0.0	0.0	0.0
66	11.0	0.0	31.0	1.0	1.0	1.0	1.0	0.0	2.0	10.0	10.0	0.0	0.0
67	5.0	0.0	26.0	1.0	1.0	1.0	0.0	0.0	2.0	0.0	1.0	0.0	0.0
68	1.0	1.0	21.0	0.0	1.0	1.0	1.0	0.0	2.0	2.0	0.0	0.0	0.0
69	5.0	0.0	30.0	0.0	1.0	1.0	1.0	0.0	2.0	2.0	1.0	0.0	0.0
70	10.0	1.0	24.0	1.0	1.0	1.0	1.0	0.0	2.0	0.0	0.0	0.0	0.0
71	12.0	0.0	23.0	1.0	1.0	1.0	1.0	0.0	2.0	0.0	0.0	0.0	0.0
72	4.0	0.0	21.0	1.0	1.0	0.0	1.0	0.0	2.0	10.0	3.0	0.0	0.0
73	12.0	0.0	20.0	1.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0
74	8.0	0.0	27.0	1.0	1.0	1.0	1.0	0.0	3.0	0.0	0.0	0.0	0.0
75	12.0	1.0	24.0	1.0	0.0	1.0	1.0	1.0	3.0	0.0	0.0	0.0	0.0
76	3.0	0.0	25.0	0.0	0.0	1.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0
77	4.0	1.0	35.0	1.0	0.0	1.0	1.0	0.0	3.0	0.0	0.0	0.0	0.0
78	7.0	0.0	25.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0
79	12.0	1.0	22.0	1.0	1.0	1.0	1.0	0.0	2.0	0.0	0.0	0.0	0.0
80	9.0	1.0	24.0	1.0	1.0	1.0	1.0	0.0	1.0	0.0	0.0	0.0	0.0

81	13.0	1.0	30.0	0.0	0.0	1.0	0.0	0.0	3.0	0.0	0.0	0.0	0.0
82	3.0	1.0	23.0	0.0	1.0	1.0	1.0	0.0	2.0	0.0	0.0	0.0	0.0
83	5.0	1.0	45.0	0.0	1.0	1.0	1.0	0.0	2.0	0.0	2.0	0.0	0.0
84	8.0	1.0	27.0	0.0	1.0	1.0	1.0	0.0	2.0	1.0	30.0	0.0	0.0
85	2.0	0.0	37.0	0.0	0.0	1.0	1.0	0.0	2.0	0.0	0.0	0.0	0.0
86	3.0	1.0	31.0	0.0	1.0	0.0	1.0	0.0	2.0	2.0	0.0	0.0	0.0
87	8.0	0.0	29.0	0.0	1.0	0.0	1.0	0.0	2.0	0.0	0.0	0.0	0.0
88	9.0	1.0	29.0	0.0	1.0	1.0	1.0	0.0	2.0	0.0	0.0	0.0	0.0
89	3.0	1.0	26.0	1.0	1.0	0.0	1.0	0.0	2.0	10.0	0.0	0.0	0.0
90	13.0	0.0	21.0	0.0	1.0	1.0	1.0	0.0	2.0	0.0	0.0	0.0	0.0
91	8.0	0.0	19.0	0.0	1.0	0.0	1.0	0.0	3.0	7.0	0.0	0.0	0.0
92	1.0	0.0	22.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	3.0	0.0	0.0
93	8.0	0.0	23.0	1.0	1.0	1.0	1.0	0.0	3.0	0.0	0.0	0.0	0.0
94	2.0	1.0	34.0	1.0	1.0	1.0	1.0	0.0	1.0	1.0	0.0	0.0	0.0
95	7.0	1.0	24.0	0.0	1.0	1.0	1.0	0.0	1.0	0.0	0.0	0.0	0.0
96	9.0	1.0	26.0	0.0	1.0	1.0	1.0	0.0	2.0	2.0	10.0	0.0	0.0
97	9.0	0.0	31.0	0.0	0.0	1.0	1.0	0.0	2.0	0.0	0.0	0.0	0.0
98	6.0	1.0	31.0	1.0	1.0	0.0	0.0	0.0	4.0	0.0	0.0	0.0	0.0
99	7.0	0.0	25.0	1.0	1.0	1.0	1.0	0.0	1.0	10.0	0.0	0.0	0.0
100	9.0	0.0	34.0	1.0	1.0	0.0	1.0	1.0	2.0	2.0	0.0	0.0	0.0
101	10.0	1.0	37.0	1.0	0.0	0.0	1.0	0.0	5.0	0.0	0.0	1.0	1.0
102	12.0	1.0	28.0	1.0	0.0	0.0	1.0	0.0	4.0	0.0	0.0	1.0	1.0
103	8.0	0.0	27.0	1.0	0.0	1.0	1.0	0.0	4.0	20.0	20.0	1.0	1.0
104	9.0	0.0	34.0	1.0	1.0	0.0	0.0	0.0	4.0	0.0	7.0	1.0	1.0
105	12.0	0.0	24.0	1.0	0.0	0.0	0.0	0.0	2.0	0.0	0.0	1.0	1.0
106	11.0	0.0	33.0	1.0	0.0	0.0	1.0	0.0	3.0	0.0	30.0	1.0	1.0
107	10.0	0.0	27.0	1.0	0.0	0.0	1.0	0.0	5.0	0.0	30.0	1.0	1.0
108	7.0	0.0	23.0	1.0	0.0	1.0	0.0	0.0	1.0	2.0	0.0	1.0	1.0
109	7.0	1.0	27.0	0.0	1.0	0.0	0.0	0.0	2.0	4.0	2.0	1.0	1.0

110	13.0	0.0	32.0	0.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0	1.0	1.0
111	9.0	0.0	45.0	0.0	0.0	0.0	1.0	0.0	4.0	2.0	30.0	1.0	1.0
112	13.0	1.0	31.0	1.0	1.0	0.0	1.0	0.0	3.0	0.0	0.0	1.0	1.0
113	11.0	1.0	29.0	1.0	1.0	1.0	1.0	1.0	3.0	0.0	0.0	1.0	1.0
114	11.0	0.0	29.0	1.0	1.0	0.0	0.0	0.0	4.0	30.0	10.0	1.0	1.0
115	9.0	0.0	25.0	1.0	0.0	1.0	1.0	0.0	5.0	15.0	30.0	1.0	1.0
116	9.0	1.0	30.0	0.0	1.0	1.0	1.0	0.0	2.0	0.0	0.0	1.0	1.0
117	7.0	1.0	32.0	1.0	1.0	0.0	1.0	0.0	3.0	0.0	0.0	1.0	1.0
118	12.0	1.0	24.0	1.0	1.0	0.0	1.0	0.0	3.0	0.0	0.0	1.0	1.0
119	8.0	1.0	29.0	1.0	1.0	0.0	1.0	1.0	3.0	0.0	0.0	1.0	1.0
120	8.0	0.0	29.0	0.0	0.0	0.0	1.0	0.0	4.0	2.0	3.0	1.0	1.0
121	11.0	0.0	47.0	1.0	0.0	1.0	0.0	0.0	3.0	0.0	0.0	1.0	1.0
122	9.0	0.0	27.0	0.0	1.0	0.0	1.0	0.0	3.0	14.0	14.0	1.0	1.0
123	10.0	1.0	34.0	1.0	1.0	0.0	0.0	0.0	3.0	0.0	2.0	1.0	1.0
124	10.0	1.0	29.0	1.0	1.0	1.0	1.0	0.0	2.0	0.0	0.0	1.0	1.0
125	12.0	0.0	28.0	0.0	0.0	1.0	1.0	0.0	4.0	0.0	30.0	1.0	1.0
126	12.0	0.0	29.0	1.0	0.0	1.0	1.0	0.0	4.0	15.0	15.0	1.0	1.0
127	11.0	0.0	55.0	0.0	0.0	1.0	1.0	0.0	4.0	0.0	15.0	1.0	1.0
128	9.0	0.0	31.0	1.0	1.0	1.0	1.0	0.0	3.0	4.0	2.0	1.0	1.0
129	12.0	0.0	28.0	1.0	0.0	0.0	1.0	0.0	4.0	0.0	0.0	1.0	1.0
130	12.0	1.0	24.0	1.0	1.0	1.0	1.0	0.0	2.0	0.0	0.0	1.0	1.0
131	8.0	1.0	32.0	0.0	1.0	0.0	0.0	0.0	3.0	0.0	28.0	1.0	1.0
132	10.0	0.0	26.0	1.0	0.0	1.0	0.0	0.0	4.0	0.0	0.0	1.0	1.0
133	13.0	0.0	23.0	0.0	0.0	1.0	1.0	0.0	2.0	0.0	0.0	1.0	1.0
134	13.0	0.0	27.0	0.0	1.0	1.0	1.0	0.0	2.0	0.0	14.0	1.0	1.0
135	10.0	1.0	16.0	0.0	0.0	0.0	1.0	0.0	3.0	0.0	0.0	1.0	1.0
136	10.0	1.0	31.0	1.0	1.0	1.0	0.0	0.0	4.0	0.0	0.0	1.0	1.0
137	11.0	0.0	27.0	0.0	0.0	1.0	1.0	0.0	3.0	0.0	0.0	1.0	1.0
138	10.0	0.0	37.0	0.0	1.0	0.0	1.0	0.0	4.0	10.0	15.0	1.0	1.0

139	9.0	0.0	27.0	1.0	0.0	0.0	0.0	0.0	4.0	0.0	14.0	1.0	1.0
140	13.0	0.0	34.0	0.0	1.0	0.0	0.0	0.0	3.0	7.0	0.0	1.0	1.0
141	13.0	1.0	26.0	1.0	0.0	1.0	1.0	0.0	3.0	0.0	0.0	1.0	1.0
142	13.0	0.0	23.0	0.0	0.0	1.0	1.0	0.0	3.0	0.0	2.0	1.0	1.0
143	8.0	0.0	45.0	0.0	0.0	1.0	0.0	0.0	4.0	10.0	15.0	1.0	1.0
144	7.0	0.0	37.0	1.0	0.0	0.0	0.0	0.0	5.0	0.0	27.0	1.0	1.0
145	8.0	1.0	31.0	1.0	1.0	0.0	1.0	0.0	5.0	15.0	30.0	1.0	1.0
146	12.0	1.0	25.0	1.0	0.0	0.0	0.0	0.0	4.0	3.0	6.0	1.0	1.0
147	6.0	1.0	42.0	0.0	0.0	0.0	0.0	0.0	4.0	0.0	0.0	1.0	1.0
148	8.0	1.0	26.0	1.0	0.0	1.0	0.0	0.0	4.0	0.0	5.0	1.0	1.0
149	11.0	1.0	47.0	1.0	0.0	0.0	1.0	0.0	5.0	20.0	20.0	1.0	1.0
150	11.0	0.0	25.0	0.0	1.0	1.0	1.0	0.0	4.0	5.0	15.0	1.0	1.0
151	13.0	0.0	31.0	0.0	0.0	1.0	1.0	0.0	3.0	0.0	0.0	1.0	1.0
152	4.0	0.0	44.0	1.0	1.0	1.0	1.0	0.0	4.0	16.0	8.0	1.0	1.0
153	9.0	0.0	28.0	0.0	0.0	1.0	1.0	0.0	5.0	0.0	30.0	1.0	1.0
154	9.0	0.0	40.0	0.0	0.0	1.0	1.0	0.0	4.0	0.0	0.0	1.0	1.0
155	9.0	0.0	34.0	1.0	0.0	0.0	1.0	0.0	4.0	2.0	0.0	1.0	1.0
156	10.0	1.0	30.0	0.0	1.0	1.0	1.0	0.0	2.0	2.0	2.0	1.0	1.0
157	10.0	0.0	49.0	0.0	0.0	0.0	0.0	0.0	3.0	10.0	15.0	1.0	1.0
158	10.0	1.0	28.0	0.0	0.0	1.0	1.0	0.0	5.0	25.0	30.0	1.0	1.0
159	9.0	1.0	23.0	1.0	1.0	0.0	0.0	1.0	4.0	2.0	6.0	1.0	1.0
160	8.0	1.0	35.0	0.0	0.0	0.0	1.0	0.0	4.0	0.0	14.0	1.0	1.0
161	10.0	0.0	40.0	1.0	1.0	1.0	1.0	0.0	3.0	0.0	0.0	1.0	1.0
162	8.0	0.0	42.0	1.0	0.0	0.0	0.0	0.0	5.0	7.0	30.0	1.0	1.0
163	10.0	0.0	24.0	1.0	1.0	1.0	1.0	0.0	2.0	0.0	0.0	1.0	1.0
164	12.0	1.0	29.0	1.0	0.0	0.0	1.0	0.0	4.0	0.0	0.0	1.0	1.0
165	9.0	0.0	39.0	0.0	1.0	0.0	0.0	0.0	3.0	0.0	3.0	1.0	1.0
166	12.0	1.0	36.0	1.0	0.0	1.0	1.0	0.0	4.0	0.0	0.0	1.0	1.0
167	11.0	0.0	28.0	0.0	0.0	0.0	0.0	0.0	3.0	0.0	0.0	1.0	1.0

168	12.0	0.0	30.0	0.0	0.0	1.0	1.0	0.0	2.0	0.0	0.0	1.0	1.0
169	11.0	1.0	30.0	0.0	1.0	0.0	1.0	0.0	2.0	0.0	0.0	1.0	1.0
170	9.0	1.0	27.0	1.0	0.0	0.0	0.0	0.0	4.0	15.0	10.0	1.0	1.0
171	11.0	1.0	27.0	0.0	1.0	1.0	1.0	0.0	3.0	0.0	0.0	1.0	1.0
172	9.0	0.0	26.0	0.0	1.0	1.0	1.0	0.0	2.0	2.0	0.0	1.0	1.0
173	13.0	1.0	36.0	1.0	1.0	0.0	1.0	0.0	3.0	0.0	7.0	1.0	1.0
174	9.0	1.0	35.0	1.0	0.0	1.0	1.0	0.0	4.0	30.0	0.0	1.0	1.0
175	11.0	0.0	32.0	1.0	1.0	1.0	1.0	0.0	3.0	30.0	10.0	1.0	1.0
176	9.0	0.0	42.0	0.0	1.0	1.0	0.0	0.0	5.0	30.0	20.0	1.0	1.0
177	7.0	0.0	43.0	0.0	0.0	0.0	0.0	0.0	5.0	10.0	15.0	1.0	1.0
178	9.0	0.0	32.0	0.0	1.0	1.0	1.0	0.0	3.0	30.0	3.0	1.0	1.0
179	10.0	0.0	36.0	1.0	1.0	0.0	0.0	0.0	3.0	0.0	0.0	1.0	1.0
180	11.0	0.0	29.0	1.0	1.0	1.0	1.0	0.0	3.0	0.0	1.0	1.0	1.0
181	12.0	0.0	27.0	0.0	1.0	0.0	1.0	0.0	1.0	3.0	0.0	1.0	1.0
182	13.0	0.0	28.0	0.0	1.0	1.0	1.0	0.0	3.0	10.0	0.0	1.0	1.0
183	11.0	1.0	32.0	1.0	0.0	0.0	0.0	0.0	5.0	30.0	30.0	1.0	1.0
184	11.0	0.0	29.0	0.0	1.0	1.0	1.0	0.0	4.0	0.0	3.0	1.0	1.0
185	9.0	1.0	33.0	0.0	1.0	0.0	0.0	0.0	3.0	1.0	0.0	1.0	1.0
186	9.0	0.0	26.0	0.0	1.0	1.0	1.0	0.0	4.0	0.0	0.0	1.0	1.0
187	10.0	1.0	28.0	1.0	0.0	0.0	1.0	1.0	3.0	0.0	30.0	1.0	1.0
188	12.0	0.0	28.0	1.0	1.0	0.0	0.0	0.0	4.0	0.0	4.0	1.0	1.0
189	10.0	0.0	35.0	1.0	0.0	1.0	1.0	0.0	4.0	0.0	4.0	1.0	1.0
190	12.0	0.0	26.0	0.0	1.0	0.0	0.0	0.0	5.0	10.0	30.0	1.0	1.0
191	10.0	1.0	32.0	1.0	1.0	0.0	1.0	0.0	3.0	15.0	0.0	1.0	1.0
192	9.0	0.0	30.0	0.0	1.0	0.0	0.0	0.0	4.0	30.0	0.0	1.0	1.0
193	7.0	0.0	37.0	0.0	0.0	1.0	0.0	0.0	3.0	15.0	0.0	1.0	1.0
194	12.0	0.0	25.0	1.0	1.0	0.0	1.0	0.0	2.0	0.0	15.0	1.0	1.0
195	11.0	0.0	25.0	1.0	1.0	1.0	1.0	0.0	2.0	1.0	0.0	1.0	1.0
196	10.0	1.0	34.0	1.0	0.0	1.0	1.0	0.0	3.0	0.0	10.0	1.0	1.0

197	12.0	1.0	32.0	0.0	0.0	1.0	1.0	0.0	2.0	0.0	0.0	1.0	1.0
198	10.0	1.0	52.0	1.0	1.0	0.0	1.0	0.0	3.0	0.0	2.0	1.0	1.0
199	10.0	1.0	28.0	0.0	0.0	1.0	1.0	0.0	3.0	0.0	0.0	1.0	1.0
200	10.0	1.0	30.0	1.0	1.0	0.0	1.0	0.0	2.0	0.0	0.0	1.0	1.0



LAMPIRAN SOURCE CODE

```
//INDEX.PHP
```

```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
<head>
```

```
<style>
```

```
.hidden {  
  display: none;  
}
```

```
.btn-group {  
  margin-top: 20px;  
  display: none;  
}
```

```
</style>
```

```
<meta charset="UTF-8">
```

```
<meta name="viewport" content="width=device-width, initial-scale=1.0">
```

```
<meta http-equiv="X-UA-Compatible" content="ie=edge">
```

```
<link rel="icon" type="image/x-icon" href="img/nkk.jpg" />
```

```
<!-- Bootstrap CSS -->
```

```
<link rel="stylesheet" href="css/bootstrap.min.css" />
```

```
<!-- font awesome -->
```

```
<link rel="stylesheet" href="css/fontawesome.css" />
```

```
<link rel="stylesheet" href="css/brands.css" />
```

```
<link rel="stylesheet" href="css/solid.css" />
```

```
<link rel="stylesheet" href="css/gaya.css">
```

```
<!-- google font -->
```

```
<link href="https://fonts.googleapis.com/css?family=Lato:400,700&display=swap" rel="stylesheet">
```

```
<link href="https://fonts.googleapis.com/css?family=Poppins:300,400,500,700&display=swap" rel="stylesheet">
```

```
<title>Nakama Kolesterol</title>
```

```
</head>
```

```
<body>
```

```
<nav class="navbar navbar-expand-lg fixed-top navbar-light bg-light static-top">
```

```
<div class="container">
```

```
<a class="navbar-brand" href="index.php">
```

```

```

```
</a>
```

```
<button class="navbar-toggler" type="button" data-toggle="collapse" data-target="#navbarResponsive" aria-controls="navbarResponsive" aria-expanded="false" aria-label="Toggle navigation">
```

```
<span class="navbar-toggler-icon"></span>
```

```
</button>
```

```
<div class="collapse navbar-collapse" id="navbarResponsive">
```

```
<ul class="navbar-nav ml-auto">
```

```
<li class="nav-item active">
```

```
<a class="nav-link" href="index.php">Naive Bayes
```

```
<span class="sr-only">(current)</span>
```

```
</a>
```

```
</li>
<li class="nav-item">
  <a class="nav-link" href="login.php">Admin</a>
</li>
<li class="nav-item">
  <a class="nav-link" href="about.php">About</a>
</li>
</ul>
</div>
</div>
</nav>
<div class="container" style='margin-top:130px'>
  <div class="row">
    <div class="col-12 mt-5">
      <h2 class="tebal">Prediksi Resiko Kolesterol Tinggi Berdasarkan Data Kesehatan</h2>
    </div>
    <div class="col-6">
      <form method="POST" class="mt-3" id="surveyForm">
        <div class="form-group">
          <label for="nama">Nama :</label>
          <input type="text" name="Name" id="Name" class="form-control" required="required">
        </div>
        <div class="form-group">
          <label for="umur">usia :</label>
          <select name="Age" id="Age" class="form-control selBox" required="required">
```

```
<option value="" disabled selected>-- pilih rentang anda anda--</option>
<option value="1">18 - 24 tahun</option>
<option value="2">25 - 29 tahun</option>
<option value="3">30 - 34 tahun</option>
<option value="4">35 - 39 tahun</option>
<option value="5">40 - 44 tahun</option>
<option value="6">45 - 49 tahun </option>
<option value="7">50 - 54 tahun</option>
<option value="8">55 - 59 tahun</option>
<option value="9">60 - 64 tahun</option>
<option value="10">65 - 69 tahun</option>
<option value="11">70 - 74 tahun </option>
<option value="12">75 - 79 tahun </option>
<option value="13">80 tahun lebih</option>
```

```
</select>
</div>
```

```
<div class="form-group">
  <label for="umur">Jenis Kelamin :</label>
  <select name="Sex" id="Sex" class="form-control selBox" required="required">
    <option value="" disabled selected>-- pilih Jenis Kelamin--</option>
    <option value="0">Wanita</option>
    <option value="1">Pria</option>
```

```
</select>
</div>
```

```
<div class="form-group">
  <label for="bmi">Index Massa Tubuh (BMI)</label>
  <div class="input-group">
```

```
<input type="number" name="tinggi" id="tinggi" class="form-control"
placeholder="Tinggi (cm)" required="required">

<input type="number" name="berat" id="berat" class="form-control"
placeholder="Berat (kg)" required="required">

</div>

<select name="BMI" id="BMI" class="form-control selBox" required="required"
style="display: none;">

<option value="100" disabled selected>-- pilih jawaban anda--</option>

<?php
for ($i = 13; $i <= 98; $i++) {
    echo "<option value='$i'>$i</option>";
}
?>
</select>
</div>

<script>
// Menggunakan JavaScript untuk menghitung BMI dan menampilkan hasilnya saat input
berubah
document.getElementById('tinggi').addEventListener('input', hitungBMI);
document.getElementById('berat').addEventListener('input', hitungBMI);

function hitungBMI() {
    var tinggi = document.getElementById('tinggi').value;
    var berat = document.getElementById('berat').value;

    // Memastikan bahwa kedua input sudah diisi sebelum menghitung BMI
    if (tinggi !== "" && berat !== "") {

        // Menghitung BMI tanpa koma atau nilai di belakang koma
        var bmi = Math.floor(berat / ((tinggi / 100) * (tinggi / 100)));

        // Menyimpan nilai BMI ke dalam dropdown
```

```
document.getElementById('BMI').value = bmi;

// Menampilkan dropdown setelah nilai BMI diisi
document.getElementById('BMI').style.display = 'block';
}
}
</script>
```

```
<div class="form-group">
  <label for="umur">Apakah anda pernah merokok setidaknya 100 batang rokok dalam
hidup anda ?</label>
  <select name="Smoker" id="Smoker" class="form-control selBox" required="required">
    <option value="" disabled selected>-- Pilih Jawaban Anda--</option>
    <option value="0">Tidak</option>
    <option value="1">Ya</option>
  </select>
</div>

<div class="form-group">
  <label for="umur">Apakah anda pernah melakukan olahraga dalam 30 hari terakhir
?</label>
  <select name="PhysActivity" id="PhysActivity" class="form-control selBox"
required="required">
    <option value="" disabled selected>-- Pilih Jawaban Anda--</option>
    <option value="0">Tidak</option>
    <option value="1">Ya</option>
  </select>
</div>

<div class="form-group">
  <label for="umur">Apakah anda mengomsumsi buah setidaknya 1 buah perhari ?</label>
  <select name="Fruits" id="Fruits" class="form-control selBox" required="required">
```

```
<option value="" disabled selected>-- Pilih Jawaban Anda--</option>
<option value="0">Tidak</option>
<option value="1">Ya</option>
</select>
</div>
```

```
<div class="form-group">
  <label for="umur">Apakah anda mengomsumsi sayur setidaknya 1 kali perhari ?</label>
  <select name="Veggies" id="Veggies" class="form-control selBox" required="required">
    <option value="" disabled selected>-- Pilih Jawaban Anda--</option>
    <option value="0">Tidak</option>
    <option value="1">Ya</option>
  </select>
</div>
```

```
<div class="form-group">
  <label for="umur">Pria, Konsumsi Minuman Berakohol >= 14 gelas perminggu. Wanita,
  konsumsi minuman berakohol >= 7 gelas perminggu ?</label>
  <select name="HvyAlcoholConsump" id="HvyAlcoholConsump" class="form-control
  selBox" required="required">
    <option value="" disabled selected>-- Pilih Jawaban Anda--</option>
    <option value="0">Tidak</option>
    <option value="1">Ya</option>
  </select>
</div>
```

```
<div class="form-group">
  <label for="umur">Gambaran Kesehatan Anda secara umum</label>
  <select name="GenHlth" id="GenHlth" class="form-control selBox" required="required">
    <option value="" disabled selected>-- Pilih Jawaban Anda--</option>
    <option value="1">Sangat Baik</option>
    <option value="2">Baik Sekali</option>
  </select>
</div>
```

```
<option value="3">Baik</option>
<option value="4">Cukup</option>
<option value="5">Buruk</option>
</select>
</div>
```

```
<div class="form-group">
  <label for="umur">Jumlah hari dengan masalah mental dalam rentang waktu 30 hari
  terakhir :</label>
```

```
<select name="MentHlth" id="MentHlth" class="form-control selBox"
required="required">
```

```
<option value="" disabled selected>--- pilih jawaban anda---</option>
```

```
<?php
```

```
for ($i = 0; $i <= 30; $i++) {
```

```
  echo "<option value='$i'>$i hari</option>";
```

```
}
```

```
?>
```

```
</select>
```

```
</div>
```

```
<div class="form-group">
```

```
<label for="umur">Jumlah hari dengan kesehatan fisik atau cedera dalam rentang waktu
30 hari terakhir :</label>
```

```
<select name="PhysHlth" id="PhysHlth" class="form-control selBox"
required="required">
```

```
<option value="" disabled selected>--- pilih jawaban anda---</option>
```

```
<?php
```

```
for ($i = 0; $i <= 30; $i++) {
```

```
  echo "<option value='$i'>$i hari</option>";
```

```
}
```

```
?>
```

```
</select>
```



```
</div>

<div class="form-group">
  <label for="umur">Apakah anda mengidam penyakit diabetes?</label>
  <select name="Diabetes" id="Diabetes" class="form-control selBox"
required="required">
    <option value="" disabled selected>-- Pilih Jawaban Anda--</option>
    <option value="0">Tidak</option>
    <option value="1">Ya</option>
  </select>
</div>

<div class="btn-group">
  <button type="button" class="btn btn-secondary" id="prevBtn"
onclick="tampilkanPertanyaanSebelumnya()">Sebelumnya</button>
  <button type="button" class="btn btn-primary" id="nextBtn"
onclick="tampilkanPertanyaanSelanjutnya()">Selanjutnya</button>
</div>

<div class="btn-group" id="submitGroup" style="display: none;">
  <input type="submit" value="Submit" class="btn btn-primary" id="submitBtn"
onclick="return simulasi()" />
</div>
</form>
</div>
</div>

<script>
  var langkahSaatIni = 1;
  tampilkanPertanyaan(langkahSaatIni);

  function tampilkanPertanyaan(langkah) {
```

```
// Sembunyikan semua pertanyaan
var pertanyaan = document.querySelectorAll('.form-group');
pertanyaan.forEach(function(pertanyaan, indeks) {
    pertanyaan.style.display = 'none';
});

// Tampilkan pertanyaan untuk langkah saat ini
var mulai = (langkah - 1) * 5;
var akhir = mulai + 5;
for (var i = mulai; i < akhir; i++) {
    if (pertanyaan[i]) {
        pertanyaan[i].style.display = 'block';
    }
}

// Tampilkan/sembunyikan tombol navigasi berdasarkan langkah saat ini
var tombolSebelumnya = document.getElementById('prevBtn');
var tombolSelanjutnya = document.getElementById('nextBtn');
var tombolSubmit = document.getElementById('submitGroup');

tombolSebelumnya.disabled = langkah === 1;

if (langkah === Math.ceil(pertanyaan.length / 5)) {
    tombolSelanjutnya.style.display = 'none';
    tombolSubmit.style.display = 'block';
} else {
    tombolSelanjutnya.style.display = 'block';
    tombolSubmit.style.display = 'none';
}
}
```

```
function tampilkanPertanyaanSelanjutnya() {  
    langkahSaatIni++;  
    tampilkanPertanyaan(langkahSaatIni);  
}
```

```
function tampilkanPertanyaanSebelumnya() {  
    langkahSaatIni--;  
    tampilkanPertanyaan(langkahSaatIni);  
}  
</script>
```

```
<div class="row">  
    <div class="col-12 mt-5 mb-5">  
        <div id="hasilSIM" style="margin-bottom:30px;">  
  
        </div>  
    </div>  
</div>  
  
</div>
```

```
<!-- Footer -->
```

```
<footer class="page-footer font-small abu1">
```

```
<!-- Footer Elements -->
```

```
<div class="container">
```

```
<!-- Grid row-->
```

```
<div class="row">
```

```
<!-- Grid column -->

<div class="col-md-12 py-5">

  <div class="mb-5 d-flex justify-content-center">

    <!--Instagram-->
    <a class="icn" href="#" target="_blank">
      <i class="fab fa-instagram fa-lg white-text mr-md-5 mr-3 fa-2x"> </i>
    </a>

    <!-- Github -->
    <a class="icn" href="#" target="_blank">
      <i class="fab fa-github fa-lg white-text mr-md-5 mr-3 fa-2x"> </i>
    </a>

    <!--Linkedin -->
    <a class="icn" href="#" target="_blank">
      <i class="fab fa-linkedin-in fa-lg white-text mr-md-5 mr-3 fa-2x"> </i>
    </a>

    <!--Pinterest-->
    <a class="icn" href="#" target="_blank">
      <i class="fab fa-dribbble fa-lg white-text fa-2x"> </i>
    </a>
  </div>

  <div class="text-center">
    Made with <i class="fa fa-heart" style="color:#dc3545"></i> in Gresik
  </div>
</div>

<!-- Grid column -->
```

```
</div>

<!-- Grid row-->

</div>

<!-- Footer Elements -->

<!-- Copyright -->
<div class="footer-copyright text-center py-3 abu2">© <?php echo date('Y'); ?> Copyright
  <a href="https://github.com/ardian0801">majid</a>
</div>
<!-- Copyright -->

</footer>
<!-- Footer -->

<!-- jQuery first, then Popper.js, then Bootstrap JS -->
<script src="js/jquery.js"></script>
<script src="jspopper.min.js"></script>
<script src="js/bootstrap.min.js"></script>

<!-- validasi -->
<script>
  $(document).ready(function() {
    $('.toggle').click(function() {
      $('ul').toggleClass('active');
    });
  });
</script>

<script>
```

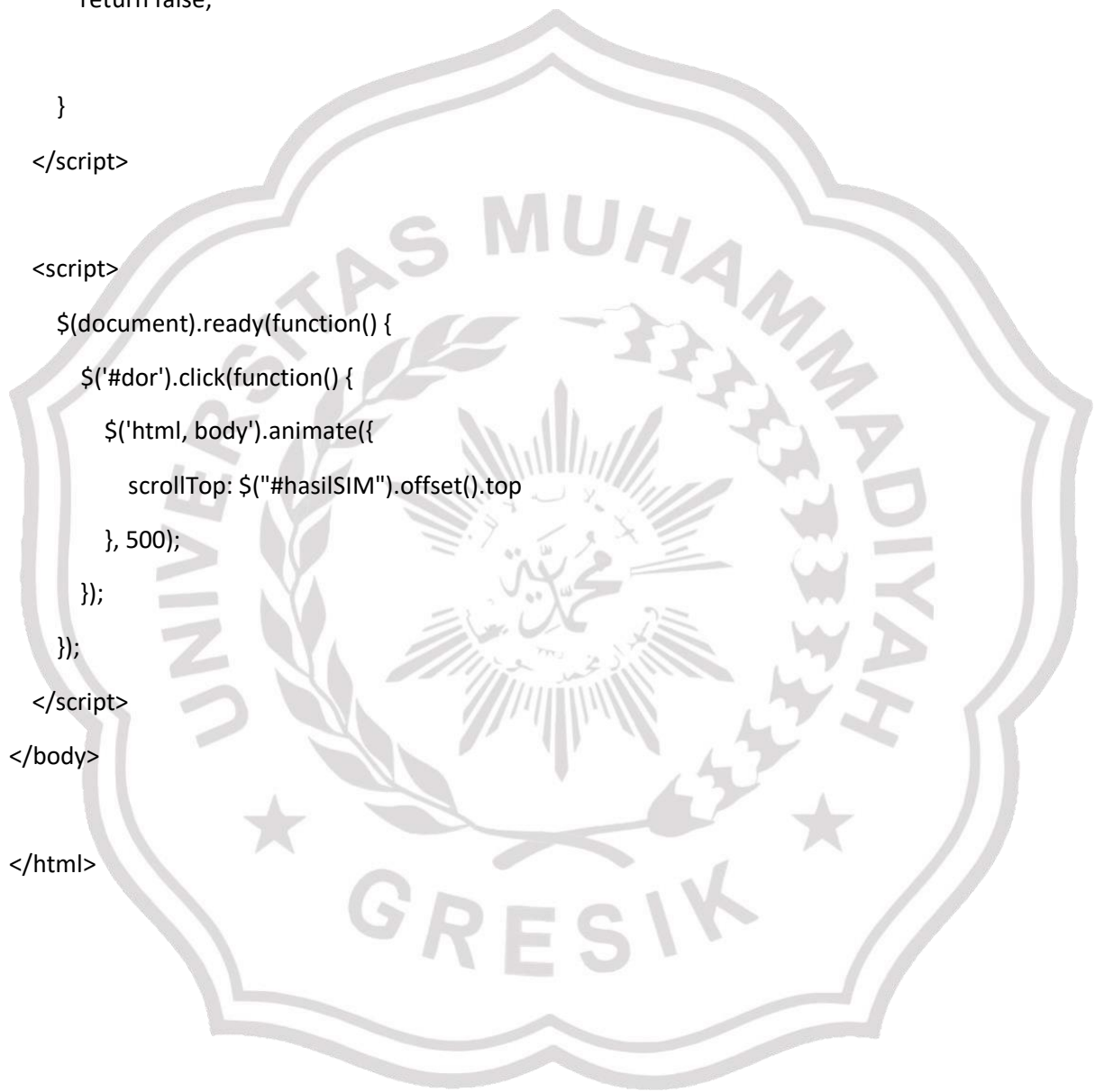
```
function simulasi() {  
    var name = $("#Name").val();  
    var age = $("#Age").val();  
    var sex = $("#Sex").val();  
    var bmi = $("#BMI").val();  
    var smoker = $("#Smoker").val();  
    var physActivity = $("#PhysActivity").val();  
    var fruits = $("#Fruits").val();  
    var veggies = $("#Veggies").val();  
    var hvyAlcoholConsump = $("#HvyAlcoholConsump").val();  
    var genHlth = $("#GenHlth").val();  
    var mentHlth = $("#MentHlth").val();  
    var physHlth = $("#PhysHlth").val();  
    var diabetes = $("#Diabetes").val();  
  
    //validasi  
    var nm = document.getElementById("Name");  
    var ag = document.getElementById("Age");  
    var sx = document.getElementById("Sex");  
    var tinggi = document.getElementById("tinggi").value;  
    var berat = document.getElementById("berat").value;  
    var bm = document.getElementById("BMI");  
    var sm = document.getElementById("Smoker");  
    var pa = document.getElementById("PhysActivity");  
    var fr = document.getElementById("Fruits");  
    var vg = document.getElementById("Veggies");  
    var hac = document.getElementById("HvyAlcoholConsump");  
    var gh = document.getElementById("GenHlth");  
    var mh = document.getElementById("MentHlth");  
    var ph = document.getElementById("PhysHlth");  
    var di = document.getElementById("Diabetes");
```

```
if (
    nm === "" || ag == 0 || sx == 0 || tinggi === "" || berat === "" || bm == 0 || sm == 0 || pa ==
0 || fr == 0 || vg == 0 || hac == 0 || gh == 0 || mh == 0 || ph == 0 || di == 0
){
    alert("Harap isi semua pertanyaan sebelum submit.");
    return false;
}

//batas validasi

$.ajax({
    url: 'simulasi.php',
    type: 'POST',
    dataType: 'html',
    data: {
        name: name,
        age: age,
        sex: sex,
        bmi: bmi,
        smoker: smoker,
        physActivity: physActivity,
        fruits: fruits,
        veggies: veggies,
        hvyAlcoholConsump: hvyAlcoholConsump,
        genHlth: genHlth,
        mentHlth: mentHlth,
        physHlth: physHlth,
        diabetes: diabetes
    },
```

```
    success: function(data) {  
        document.getElementById("hasilSIM").innerHTML = data;  
    },  
});  
  
return false;  
  
}  
</script>  
  
<script>  
$(document).ready(function() {  
    $('#dor').click(function() {  
        $('html, body').animate({  
            scrollTop: $("#hasilSIM").offset().top  
        }, 500);  
    });  
});  
</script>  
</body>  
</html>
```



//LOGIN.PHP

```
<?php
```

```
session_start();
```

```
$host = "localhost"; // Sesuaikan dengan host database Anda
```

```
$username = "root"; // Sesuaikan dengan username database Anda
```

```
$password = ""; // Sesuaikan dengan password database Anda
```

```
$database = "kolesterol_data";
```

```
$conn = new mysqli($host, $username, $password, $database);
```

```
if ($conn->connect_error) {
```

```
    die("Koneksi gagal: " . $conn->connect_error);
```

```
}
```

```
if (isset($_POST['submit'])) {
```

```
    $username = $_POST['username'];
```

```
    $password = $_POST['password'];
```

```
$sql = "SELECT * FROM admin WHERE username = '$username' AND password = '$password'";
```

```
$result = $conn->query($sql);
```

```
if ($result->num_rows > 0) {
```

```
    // Login berhasil
```

```
    $_SESSION['username'] = $username;
```

```
    header("Location: dataPengguna.php"); // Ganti dengan halaman setelah login
```

```
    exit();
```

```
} else {
```

```
    // Login gagal
```

```
    echo '<script>
```

```
setTimeout(function() {
```

```
    alert("Username atau password salah");
  }, 3000); // Menghilangkan popup setelah 3000 milidetik (3 detik)
</script>';
}
}
?>
<!DOCTYPE html>
<html lang="en">

<head>
  <style>
    a {
      text-decoration: none;
    }

    span {
      justify-content: center;
      align-items: center;
      margin-left: 80px;
    }
  </style>
  <meta charset="UTF-8">
  <title>CodePen - Finance Mobile Application-UX/UI Design Screen One</title>
  <script type="module"
src="https://unpkg.com/ionicons@5.5.2/dist/ionicons/ionicons.esm.js"></script>
  <script nomodule src="https://unpkg.com/ionicons@5.5.2/dist/ionicons/ionicons.js"></script>
  <link rel="stylesheet"
href="https://cdnjs.cloudflare.com/ajax/libs/normalize/5.0.0/normalize.min.css">
  <link rel='stylesheet'
href='https://fonts.googleapis.com/css2?family=Poppins:ital,wght@0,100;0,200;0,300;0,400;0,500;0
```

```
,600;0,700;0,800;0,900;1,100;1,200;1,300;1,400;1,500;1,600;1,700;1,800;1,900&amp;display=swap'
>
<link rel="stylesheet" href="./style.css">
<style>
  #logo {
    display: block;
    margin: auto;
    margin-bottom: 50px;
  }
</style>
</head>

<body>
<!-- partial:index.partial.html -->
<form method="post" action="">
  <div class="screen-1">
    

  </img>
  <div class="email">
    <label for="username">Username</label>
    <div class="sec-2">
      <ion-icon name="person-outline"></ion-icon>
      <input type="text" name="username" placeholder="....." />
    </div>
  </div>
  <div class="password">
    <label for="password">Password</label>
    <div class="sec-2">
      <ion-icon name="lock-closed-outline"></ion-icon>
      <input class="pas" type="password" name="password" placeholder="....." />
    </div>
  </div>
</form>
</body>
</html>
```

```
</div>
</div>
<button class="login" type="submit" name="submit">Login </button>

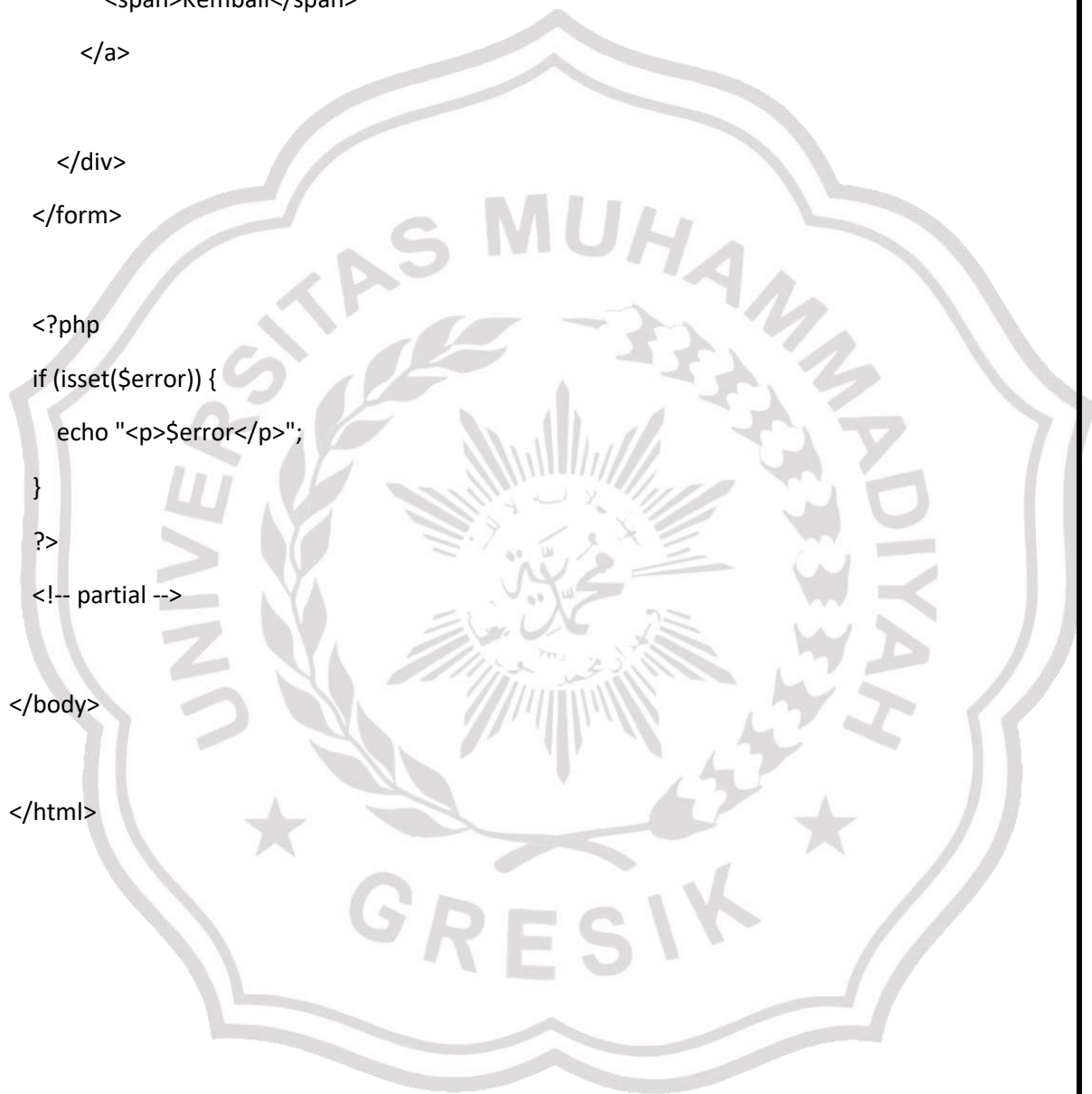
<a href="intro.html" class="login">
  <span>Kembali</span>
</a>

</div>
</form>

<?php
if (isset($error)) {
  echo "<p>$error</p>";
}
?>
<!-- partial -->

</body>

</html>
```



```
//BAYES.PHP
```

```
<?php
```

```
class Bayes
```

```
{
```

```
    private $conn;
```

```
    function __construct()
```

```
    {
```

```
        $this->conn = new mysqli("localhost", "root", "", "kolesterol_data"); // Ganti dengan informasi koneksi MySQL Anda
```

```
        if ($this->conn->connect_error) {
```

```
            die("Koneksi database gagal: " . $this->conn->connect_error);
```

```
        }
```

```
    }
```

```
    /*-----*/
```

```
    FUNCTION SUM TRUE DAN FALSE
```

```
    -----*/
```

```
    function sumTrue()
```

```
    {
```

```
        $sql = "SELECT COUNT(*) AS total FROM data_training WHERE HighChol = 1";
```

```
        $result = $this->conn->query($sql);
```

```
        if ($result->num_rows > 0) {
```

```
            $row = $result->fetch_assoc();
```

```
            return $row['total'];
```

```
        } else {
```

```
            return 0;
```

```
        }
```

```
    }
```

```
    function sumFalse()
```

```
{
    $sql = "SELECT COUNT(*) AS total FROM data_training WHERE HighChol = 0";
    $result = $this->conn->query($sql);
    if ($result->num_rows > 0) {
        $row = $result->fetch_assoc();
        return $row['total'];
    } else {
        return 0;
    }
}
```

```
function sumData()
{
    $sql = "SELECT COUNT(*) AS total FROM data_training";
    $result = $this->conn->query($sql);
    if ($result->num_rows > 0) {
        $row = $result->fetch_assoc();
        return $row['total'];
    } else {
        return 0;
    }
}
```

//=====

/*=====

FUNCTION PROBABILITAS

=====*/

```
function probAge($Age, $HighChol)
{
```

```
$sql = "SELECT COUNT(*) AS total FROM data_training WHERE Age = '$Age' AND HighChol = $HighChol";
```

```
$result = $this->conn->query($sql);
```

```
if ($result->num_rows > 0) {
```

```
    $row = $result->fetch_assoc();
```

```
    return $row['total'];
```

```
} else {
```

```
    return 0;
```

```
}
```

```
}
```

```
function probSex($Sex, $HighChol)
```

```
{
```

```
    $sql = "SELECT COUNT(*) AS total FROM data_training WHERE Sex = '$Sex' AND HighChol = $HighChol";
```

```
    $result = $this->conn->query($sql);
```

```
    if ($result->num_rows > 0) {
```

```
        $row = $result->fetch_assoc();
```

```
        return $row['total'];
```

```
    } else {
```

```
        return 0;
```

```
    }
```

```
}
```

```
function probBMI($BMI, $HighChol)
```

```
{
```

```
    $sql = "SELECT COUNT(*) AS total FROM data_training WHERE BMI = '$BMI' AND HighChol = $HighChol";
```

```
    $result = $this->conn->query($sql);
```

```
    if ($result->num_rows > 0) {
```

```
        $row = $result->fetch_assoc();
```

```
        return $row['total'];
```

```
} else {
    return 0;
}
}

function probSmoker($Smoker, $HighChol)
{
    $sql = "SELECT COUNT(*) AS total FROM data_training WHERE Smoker = '$Smoker' AND
HighChol = $HighChol";
    $result = $this->conn->query($sql);
    if ($result->num_rows > 0) {
        $row = $result->fetch_assoc();
        return $row['total'];
    } else {
        return 0;
    }
}

function probPhysActivity($PhysActivity, $HighChol)
{
    $sql = "SELECT COUNT(*) AS total FROM data_training WHERE PhysActivity = '$PhysActivity'
AND HighChol = $HighChol";
    $result = $this->conn->query($sql);
    if ($result->num_rows > 0) {
        $row = $result->fetch_assoc();
        return $row['total'];
    } else {
        return 0;
    }
}

function probFruits($Fruits, $HighChol)
```



```
{
    $sql = "SELECT COUNT(*) AS total FROM data_training WHERE Fruits = '$Fruits' AND HighChol =
$HighChol";
    $result = $this->conn->query($sql);
    if ($result->num_rows > 0) {
        $row = $result->fetch_assoc();
        return $row['total'];
    } else {
        return 0;
    }
}

function probVeggies($Veggies, $HighChol)
{
    $sql = "SELECT COUNT(*) AS total FROM data_training WHERE Veggies = '$Veggies' AND
HighChol = $HighChol";
    $result = $this->conn->query($sql);
    if ($result->num_rows > 0) {
        $row = $result->fetch_assoc();
        return $row['total'];
    } else {
        return 0;
    }
}

function probHvyAlcoholConsump($HvyAlcoholConsump, $HighChol)
{
    $sql = "SELECT COUNT(*) AS total FROM data_training WHERE HvyAlcoholConsump =
'$HvyAlcoholConsump' AND HighChol = $HighChol";
    $result = $this->conn->query($sql);
    if ($result->num_rows > 0) {
        $row = $result->fetch_assoc();
        return $row['total'];
    }
}
```

```
} else {
    return 0;
}
}

function probGenHlth($GenHlth, $HighChol)
{
    $sql = "SELECT COUNT(*) AS total FROM data_training WHERE GenHlth = '$GenHlth' AND
HighChol = $HighChol";
    $result = $this->conn->query($sql);
    if ($result->num_rows > 0) {
        $row = $result->fetch_assoc();
        return $row['total'];
    } else {
        return 0;
    }
}

function probMentHlth($MentHlth, $HighChol)
{
    $sql = "SELECT COUNT(*) AS total FROM data_training WHERE MentHlth = '$MentHlth' AND
HighChol = $HighChol";
    $result = $this->conn->query($sql);
    if ($result->num_rows > 0) {
        $row = $result->fetch_assoc();
        return $row['total'];
    } else {
        return 0;
    }
}

function probPhysHlth($PhysHlth, $HighChol)
```

```

{
    $sql = "SELECT COUNT(*) AS total FROM data_training WHERE PhysHlth = '$PhysHlth' AND
HighChol = $HighChol";
    $result = $this->conn->query($sql);
    if ($result->num_rows > 0) {
        $row = $result->fetch_assoc();
        return $row['total'];
    } else {
        return 0;
    }
}

```

```

function probDiabetes($Diabetes, $HighChol)
{
    $sql = "SELECT COUNT(*) AS total FROM data_training WHERE Diabetes = '$Diabetes' AND
HighChol = $HighChol";
    $result = $this->conn->query($sql);
    if ($result->num_rows > 0) {
        $row = $result->fetch_assoc();
        return $row['total'];
    } else {
        return 0;
    }
}

```

//=====

/*=====

MARI BERHITUNG

keterangan parameter :

\$sT : jumlah data yang bernilai true (sumTrue)

\$sF : jumlah data yang bernilai false (sumFalse)

\$sD : jumlah data pada data latih (sumData)

\$pAge : jumlah probabilitas umur (probAge)
\$pS : jumlah probabilitas tinggi (probSex)
\$pCC : jumlah probabilitas cek kolesterol (probcholCheck)
\$pBMI : jumlah probabilitas berat berat massa tubuh (probBMI)
\$pSmoker : jumlah probabilitas kesehatan (probSmoker)
\$pHDA : jumlah probabilitas (probHeartDiseaseorAttack)
\$pPA : jumlah probabilitas (probPhysActivity)
\$pF : jumlah probabilitas pendidikan (probFruits)
\$pV : jumlah probabilitas pendidikan (probVeggies)
\$pHAC : jumlah probabilitas pendidikan (probHvyAlcoholConsump)
\$pGH : jumlah probabilitas pendidikan (probGenHlth)
\$pMH : jumlah probabilitas pendidikan (probMentHlth)
\$pPH : jumlah probabilitas pendidikan (probPhysHlth)
\$pDW : jumlah probabilitas pendidikan (probDiffWalk)
\$pStroke : jumlah probabilitas pendidikan (probStroke)
\$pHB : jumlah probabilitas pendidikan (probHighBP)
\$pD : jumlah probabilitas pendidikan (probDiabetes)

=====*/

```
function hasilTrue($sT = 0, $sD = 0, $pAge = 0, $pS = 0, $pBMI = 0, $pSmoker = 0, $pPA = 0, $pF = 0, $pV = 0, $pHAC = 0, $pGH = 0, $pMH = 0, $pPH = 0, $pD = 0)
{
    $hsl = 0;

    if ($pAge == 0 || $pS == 0 || $pBMI == 0 || $pSmoker == 0 || $pPA == 0 || $pF == 0 || $pV == 0 || $pHAC == 0 || $pGH == 0 || $pMH == 0 || $pPH == 0 || $pD == 0) {
        $paTrue = $sT / $sD;
        $p1 = ($pAge + 1) / ($sT + 12);
        $p2 = ($pS + 1) / ($sT + 12);
        $p4 = ($pBMI + 1) / ($sT + 12);
        $p5 = ($pSmoker + 1) / ($sT + 12);
```

$\$p7 = (\$pPA + 1) / (\$sT + 12);$

$\$p8 = (\$pF + 1) / (\$sT + 12);$

$\$p9 = (\$pV + 1) / (\$sT + 12);$

$\$p10 = (\$pHAC + 1) / (\$sT + 12);$

$\$p11 = (\$pGH + 1) / (\$sT + 12);$

$\$p12 = (\$pMH + 1) / (\$sT + 12);$

$\$p13 = (\$pPH + 1) / (\$sT + 12);$

$\$p17 = (\$pD + 1) / (\$sT + 12);$

$\$hsl = \$paTrue * (\$p1 * \$p2 * \$p4 * \$p5 * \$p7 * \$p8 * \$p9 * \$p10 * \$p11 * \$p12 * \$p13 * \$p17);$

return \$hsl;

} else {

$\$paTrue = \$sT / \$sD;$

$\$p1 = \$pAge / \$sT;$

$\$p2 = \$pS / \$sT;$

$\$p4 = \$pBMI / \$sT;$

$\$p5 = \$pSmoker / \$sT;$

$\$p7 = \$pPA / \$sT;$

$\$p8 = \$pF / \$sT;$

$\$p9 = \$pV / \$sT;$

$\$p10 = \$pHAC / \$sT;$

$\$p11 = \$pGH / \$sT;$

$\$p12 = \$pMH / \$sT;$

$\$p13 = \$pPH / \$sT;$

$\$p17 = \$pD / \$sT;$

$\$hsl = \$paTrue * (\$p1 * \$p2 * \$p4 * \$p5 * \$p7 * \$p8 * \$p9 * \$p10 * \$p11 * \$p12 * \$p13 * \$p17);$

return \$hsl;

}

return \$hsl;

```

}

function hasilFalse($sF = 0, $sD = 0, $pAge = 0, $pS = 0, $pBMI = 0, $pSmoker = 0, $pPA = 0, $pF =
0, $pV = 0, $pHAC = 0, $pGH = 0, $pMH = 0, $pPH = 0, $pD = 0)
{
    $hsl = 0;

    if ($pAge == 0 || $pS == 0 || $pBMI == 0 || $pSmoker == 0 || $pPA == 0 || $pF == 0 || $pV ==
0 || $pHAC == 0 || $pGH == 0 || $pMH == 0 || $pPH == 0 || $pD == 0) {
        $paFalse = $sF / $sD;
        $p1 = ($pAge + 1) / ($sF + 12);
        $p2 = ($pS + 1) / ($sF + 12);
        $p4 = ($pBMI + 1) / ($sF + 12);
        $p5 = ($pSmoker + 1) / ($sF + 12);
        $p7 = ($pPA + 1) / ($sF + 12);
        $p8 = ($pF + 1) / ($sF + 12);
        $p9 = ($pV + 1) / ($sF + 12);
        $p10 = ($pHAC + 1) / ($sF + 12);
        $p11 = ($pGH + 1) / ($sF + 12);
        $p12 = ($pMH + 1) / ($sF + 12);
        $p13 = ($pPH + 1) / ($sF + 12);
        $p17 = ($pD + 1) / ($sF + 12);

        $hsl = $paFalse * ($p1 * $p2 * $p4 * $p5 * $p7 * $p8 * $p9 * $p10 * $p11 * $p12 * $p13 *
        $p17);
        return $hsl;
    } else {
        $paFalse = $sF / $sD;
        $p1 = $pAge / $sF;
        $p2 = $pS / $sF;
        $p4 = $pBMI / $sF;
        $p5 = $pSmoker / $sF;
    }
}

```

$\$p7 = \$pPA / \$sF;$

$\$p8 = \$pF / \$sF;$

$\$p9 = \$pV / \$sF;$

$\$p10 = \$pHAC / \$sF;$

$\$p11 = \$pGH / \$sF;$

$\$p12 = \$pMH / \$sF;$

$\$p13 = \$pPH / \$sF;$

$\$p17 = \$pD / \$sF;$

$\$hsl = \$pAFalse * (\$p1 * \$p2 * \$p4 * \$p5 * \$p7 * \$p8 * \$p9 * \$p10 * \$p11 * \$p12 * \$p13 * \$p17);$

return \$hsl;

}

return \$hsl;

}

function perbandingan(\$pATrue, \$pAFalse)

{

\$stt = "";

\$hitung = 0;

\$diterima = 0;

if (\$pATrue > \$pAFalse) {

\$stt = "BERESIKO";

\$hitung = (\$pATrue / (\$pATrue + \$pAFalse)) * 100;

\$diterima = 100 - \$hitung;

} elseif (\$pAFalse > \$pATrue) {

\$stt = "TIDAK BERESIKO";

\$hitung = (\$pAFalse / (\$pAFalse + \$pATrue)) * 100;

\$diterima = 100 - \$hitung;

}

```
$hsl = array($stt, $hitung, $diterima);
```

```
return $hsl;
```

```
}
```

```
//-----
```

```
}
```



//SIMULASI.PHP

```
<?php
```

```
require_once 'autoload.php';
```

```
$servername = "localhost"; // Ganti dengan nama server Anda
```

```
$username = "root"; // Ganti dengan nama pengguna database Anda
```

```
$password = ""; // Ganti dengan kata sandi database Anda
```

```
$dbname = "kolesterol_data";
```

```
// Membuat koneksi ke database
```

```
$conn = new mysqli($servername, $username, $password, $dbname);
```

```
// Memeriksa koneksi
```

```
if ($conn->connect_error) {
```

```
    die("Koneksi gagal: " . $conn->connect_error);
```

```
}
```

```
$obj = new Bayes();
```

```
$jumTrue = $obj->sumTrue();
```

```
$jumFalse = $obj->sumFalse();
```

```
$jumData = $obj->sumData();
```

```
$a0 = $_POST['name'];
```

```
$a1 = $_POST['age'];
```

```
$a2 = $_POST['sex'];
```

```
$a4 = $_POST['bmi'];
```

```
$a5 = $_POST['smoker'];
```

```
$a7 = $_POST['physActivity'];
```

```
$a8 = $_POST['fruits'];
```

```
$a9 = $_POST['veggies'];
```

```
$a10 = $_POST['hvyAlcoholConsump'];  
$a11 = $_POST['genHlth'];  
$a12 = $_POST['mentHlth'];  
$a13 = $_POST['physHlth'];  
$a17 = $_POST['diabetes'];
```

```
//TRUE
```

```
$age = $obj->probAge($a1, 1);  
$sex = $obj->probSex($a2, 1);  
$bmi = $obj->probBMI($a4, 1);  
$smoker = $obj->probSmoker($a5, 1);  
$physActivity = $obj->probPhysActivity($a7, 1);  
$fruits = $obj->probFruits($a8, 1);  
$veggies = $obj->probVeggies($a9, 1);  
$hvyAlcoholConsump = $obj->probHvyAlcoholConsump($a10, 1);  
$genHlth = $obj->probGenHlth($a11, 1);  
$mentHlth = $obj->probMentHlth($a12, 1);  
$physHlth = $obj->probPhysHlth($a13, 1);  
$diabetes = $obj->probDiabetes($a17, 1);
```

```
//FALSE
```

```
$age2 = $obj->probAge($a1, 0);  
$sex2 = $obj->probSex($a2, 0);  
$bmi2 = $obj->probBMI($a4, 0);  
$smoker2 = $obj->probSmoker($a5, 0);  
$physActivity2 = $obj->probPhysActivity($a7, 0);  
$fruits2 = $obj->probFruits($a8, 0);  
$veggies2 = $obj->probVeggies($a9, 0);  
$hvyAlcoholConsump2 = $obj->probHvyAlcoholConsump($a10, 0);  
$genHlth2 = $obj->probGenHlth($a11, 0);
```

```
$mentHlth2 = $obj->probMentHlth($a12, 0);
```

```
$physHlth2 = $obj->probPhysHlth($a13, 0);
```

```
$diabetes2 = $obj->probDiabetes($a17, 0);
```

```
//result
```

```
$paT = $obj->hasilTrue($jumTrue, $jumData, $age, $sex, $bmi, $smoker, $physActivity, $fruits,  
$veggies, $hvyAlcoholConsump, $genHlth, $mentHlth, $physHlth, $diabetes);
```

```
$paF = $obj->hasilFalse($jumTrue, $jumData, $age2, $sex2, $bmi2, $smoker2, $physActivity2,  
$fruits2, $veggies2, $hvyAlcoholConsump2, $genHlth2, $mentHlth2, $physHlth2, $diabetes2);
```

```
echo "
```

```
<div class='jumbotron jumbotron-fluid' id='hslPrediksinya'>
```

```
<div class='container'>
```

```
<h1 class='display-4 tebal'>Hasil Prediksi</h1>
```

```
<p class='lead'>Berikut ini adalah hasil prediksi berdasarkan masukan Anda menggunakan metode  
naive bayes.</p>
```

```
</div>
```

```
</div>
```

```
";
```

```
echo "<br>
```

```
<table class='table table-bordered' style='font-size:18px;text-align:center'>
```

```
<tr style='background-color:#17a2b8;color:#fff'>
```

```
<th>Jumlah True</th>
```

```
<th>Jumlah False</th>
```

```
<th>Jumlah Total Data</th>
```

```
</tr>
```

```
<tr>
```

```
<td>$jumTrue</td>
```

```
<td>$jumFalse</td>
```

```
<td>$jumData</td>
```

```
</tr>
</table>
";

echo "<br>
<table class='table table-bordered' style='font-size:18px;text-align:center'>
<tr style='background-color:#17a2b8;color:#fff'>
<th></th>
<th>True</th>
<th>False</th>
</tr>
<tr>
<td>pA</td>
<td>$jumTrue / $jumData</td>
<td>$jumFalse / $jumData</td>
</tr>
<tr>
<td>Age</td>
<td>$age / $jumTrue</td>
<td>$age2 / $jumFalse</td>
</tr>
<tr>
<td>Sex</td>
<td>$sex / $jumTrue</td>
<td>$sex2 / $jumFalse</td>
</tr>
<tr>
<td>BMI</td>
<td>$bmi / $jumTrue</td>
<td>$bmi2 / $jumFalse</td>
</tr>
```

```
<tr>
  <td>Smoker</td>
  <td>$smoker / $jumTrue</td>
  <td>$smoker2 / $jumFalse</td>
</tr>
```

```
<tr>
  <td>PhysActivity</td>
  <td>$physActivity / $jumTrue</td>
  <td>$physActivity2 / $jumFalse</td>
</tr>
```

```
<tr>
  <td>Fruits</td>
  <td>$fruits / $jumTrue</td>
  <td>$fruits2 / $jumFalse</td>
</tr>
```

```
<tr>
  <td>Veggies</td>
  <td>$veggies / $jumTrue</td>
  <td>$veggies2 / $jumFalse</td>
</tr>
```

```
<tr>
  <td>HvyAlcoholConsump</td>
  <td>$hvyAlcoholConsump / $jumTrue</td>
  <td>$hvyAlcoholConsump2 / $jumFalse</td>
</tr>
```

```
<tr>
  <td>GenHlth</td>
  <td>$genHlth / $jumTrue</td>
  <td>$genHlth2 / $jumFalse</td>
</tr>
```

```
<tr>
  <td>MentHlth</td>
  <td>$mentHlth / $jumTrue</td>
```



```
<td>$mentHlth2 / $jumFalse</td>
```

```
</tr>
```

```
<td>PhysHlth</td>
```

```
<td>$physHlth/ $jumTrue</td>
```

```
<td>$physHlth2 / $jumFalse</td>
```

```
</tr>
```

```
<td>Diabetes</td>
```

```
<td>$diabetes/ $jumTrue</td>
```

```
<td>$diabetes2 / $jumFalse</td>
```

```
</tr>
```

```
</table>
```

```
";
```

```
echo "<br>
```

```
<table class='table table-bordered' style='font-size:18px;text-align:center;'
```

```
<tr style='background-color:#17a2b8;color:#fff'>
```

```
<th>Presentasi Beresiko Kolesterol Tinggi</th>
```

```
<th>Presentasi Tidak Beresiko Kolesterol Tinggi</th>
```

```
</tr>
```

```
<tr>
```

```
<td>$paT</td>
```

```
<td>$paF</td>
```

```
</tr>
```

```
</table>
```

```
";
```

```
$result = $obj->perbandingan($paT, $paF);
```

```
$nilai = 0;
```

```
if ($paT > $paF) {
```

```
    echo "<br>
```

```

<h3 class='tebal'>PRESENTASI <span class='badge badge-danger'
style='padding:10px'><b>BERESIKO</b></span> LEBIH BESAR DARI PADA PRESENTASI TIDAK
BERESIKO</h3><br>";

    echo "<h4><br>Presentasi beresiko sebanyak : <b>" . round($result[1], 2) . " %</b> <br>Presentasi
tidak beresiko sebanyak : <b>" . round($result[2], 2) . " % </b></h4>";

} else if ($paF > $paT) {

    echo "<br>

<h3 class='tebal'>PRESENTASI <span class='badge badge-success' style='padding:10px'><b>TIDAK
BERESIKO</b></span> LEBIH BESAR DARI PADA PRESENTASI BERESIKO</h3><br>";

    echo "<h4><br>Presentasi tidak beresiko sebanyak : <b>" . round($result[1], 2) . " %</b>
<br>Presentasi beresiko sebanyak : <b>" . round($result[2], 2) . " % </b></h4>";

}

if ($result[0] == "BERESIKO") {
    echo "
<div class='alert alert-danger mt-5' role='aler'>
    <h4 class='alert-heading'>Kesimpulan : $result[0] </h4>
    <p>maaf, berdasarkan hasil prediksi , anda dinyatakan <b>Beresiko Kolesterol</b></p>
    <hr>
    <p class='mb-0'>- jaga selalu pola makan dan kesehatannya -</p>
</div>";
    $nilai = 1;
} else {
    echo "
<div class='alert alert-success mt-5' role='aler'>
    <h4 class='alert-heading'>Kesimpulan : $result[0] </h4>
    <p>Selamat, berdasarkan hasil prediksi , anda dinyatakan <b>Tidak Beresiko Kolesterol</b></p>
    <hr>
    <p class='mb-0'>- selamat anda tidak beresiko -</p>
</div>";
    $nilai = 0;
}

```

```
$sql = "INSERT INTO data_pengguna (Name, Age, Sex, BMI, Smoker, PhysActivity, Fruits, Veggies, HvyAlcoholConsump, GenHlth, MentHlth, PhysHlth, Diabetes,HighChol)
```

```
VALUES ('$a0', '$a1', '$a2', '$a4', '$a5', '$a7', '$a8', '$a9', '$a10', '$a11', '$a12', '$a13', '$a17', '$nilai');
```

```
if ($conn->query($sql) === TRUE) {
```

```
    echo "Data berhasil disimpan.";
```

```
} else {
```

```
    echo "Error: " . $sql . "<br>" . $conn->error;
```

```
}
```

```
// Menutup koneksi
```

```
$conn->close();
```

